

Item: A01 KEY: A
 Determine shaded squares in rectangle = 4/5. (Fractions and number sense)
 Difficulty: 525

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	5580	59.1	2.3	4.9	11.5	21.4	0.8	59.1	0.0	0.2	0.7	57.9	60.3
Austria	3006	54.9	3.9	5.8	11.7	21.7	1.9	54.9	0.1	0.1	1.7	52.2	58.0
Belgium (Fl)	2767	84.5	1.8	1.8	3.6	7.9	0.4	84.5	0.0	0.0	0.4	83.4	85.7
Belgium (Fr)	2275	71.3	2.8	2.6	8.2	13.4	1.7	71.3	0.2	0.1	1.4	69.8	73.6
Bulgaria	1798	62.8	4.8	8.3	8.3	11.0	4.7	62.8	0.1	0.0	4.6	64.9	60.0
Canada	8188	57.8	3.1	6.6	10.5	21.2	0.9	57.8	0.0	0.0	0.8	56.2	59.6
Colombia	2655	20.8	3.5	7.6	24.3	38.2	5.6	20.8	0.5	0.1	5.0	20.1	21.5
Cyprus	2927	51.6	11.5	12.3	8.7	13.4	2.5	51.6	0.3	0.0	2.2	48.5	54.6
Czech Republic	3340	50.0	6.0	6.5	14.9	20.1	2.4	50.0	0.3	0.0	2.1	47.2	53.0
Denmark	2066	56.1	5.0	7.8	10.6	14.5	6.0	56.1	0.2	0.3	5.6	55.7	57.0
England	1780	49.6	2.8	6.3	17.4	23.3	0.7	49.6	0.0	0.0	0.7	44.8	53.6
France	3006	54.6	5.6	5.4	13.5	19.8	1.2	54.6	0.3	0.0	0.9	52.5	57.7
Germany	2887	51.1	5.2	7.1	11.7	18.9	6.0	51.1	0.4	0.1	5.6	48.1	54.0
Greece	3923	46.4	6.1	6.1	13.8	24.2	3.5	46.4	0.6	0.1	2.8	43.9	48.6
Hong Kong	3411	79.6	2.2	6.0	3.8	8.2	0.2	79.6	0.1	0.0	0.2	78.2	80.8
Hungary	3066	63.5	4.4	5.4	12.1	12.5	2.1	63.5	0.0	0.1	2.0	64.4	62.6
Iceland	1952	42.2	4.7	8.5	19.5	24.0	1.2	42.2	0.1	0.0	1.1	39.2	45.0
Iran, Islamic Rep.	3724	33.8	4.1	7.7	14.7	39.1	0.6	33.8	0.1	0.0	0.5	28.4	38.0
Ireland	3117	62.8	3.3	4.8	11.6	17.1	0.5	62.8	0.2	0.0	0.3	58.0	68.3
Israel	.	.	.	.	.	.	.	.	.	.	.	.	.
Japan	5126	76.8	3.2	5.5	6.0	8.3	0.2	76.8	0.0	0.0	0.2	77.2	76.3
Korea	2907	74.5	2.5	4.6	6.3	12.0	0.0	74.5	0.0	0.0	0.0	73.1	75.5
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	2567	46.1	4.1	9.7	17.7	18.0	4.4	46.1	0.0	0.0	4.3	45.0	47.0
Lithuania	2518	35.5	12.6	10.0	16.5	14.3	11.1	35.5	0.3	0.1	10.7	34.5	36.6
Netherlands	2097	67.7	2.7	3.8	9.5	15.8	0.5	67.7	0.0	0.1	0.4	65.6	69.8
New Zealand	3173	48.7	3.0	7.5	15.8	24.7	0.3	48.7	0.1	0.0	0.2	46.7	50.4
Norway	2458	49.6	6.0	9.5	13.1	20.3	1.6	49.6	0.0	0.2	1.4	47.4	51.6
Philippines	5847	18.7	5.9	39.2	11.1	24.8	0.4	18.7	0.0	0.1	0.3	19.1	18.2
Portugal	3342	26.2	5.7	10.2	25.0	28.6	4.3	26.2	0.0	0.1	4.2	25.2	27.4
Romania	3734	51.1	5.1	8.2	15.6	15.6	4.3	51.1	1.8	0.0	2.5	51.0	51.2
Russian Federation	4132	56.9	3.7	6.9	13.4	16.8	2.4	56.9	0.3	0.0	2.0	55.8	58.1
Scotland	2893	42.3	2.3	7.0	17.6	29.8	0.9	42.3	0.1	0.2	0.5	38.6	46.0
Singapore	3641	80.9	2.9	3.1	5.0	7.6	0.3	80.9	0.0	0.0	0.3	79.8	82.1
Slovak Republic	3598	55.6	4.1	5.4	14.4	18.7	1.9	55.6	0.2	0.0	1.7	54.1	57.3
Slovenia	2897	58.5	3.2	4.9	13.2	18.9	1.3	58.5	0.3	0.0	1.0	55.9	61.2
South Africa	5301	15.6	7.6	43.2	8.7	22.1	2.8	15.6	0.6	0.3	1.9	14.9	16.5
Spain	3737	31.5	4.7	9.8	19.1	32.8	2.1	31.5	0.0	0.0	2.1	30.3	32.7
Sweden	2821	52.2	4.3	6.2	15.0	21.3	1.0	52.2	0.1	0.2	0.8	49.5	54.9
Switzerland	4084	66.3	3.5	5.1	8.6	14.3	2.1	66.3	0.2	0.0	1.9	63.4	69.3
Thailand	5845	58.1	3.4	6.0	12.7	19.3	0.4	58.1	0.0	0.0	0.4	58.5	57.8
United States	3862	44.0	2.9	7.1	15.0	30.1	0.9	44.0	0.0	0.0	0.8	40.2	47.8
INTERNATIONAL AVG	.	52.7	4.4	8.4	12.7	19.6	2.1	52.7	0.2	0.1	1.9	51.0	54.5

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: A02 KEY: C
 Solve algebraic word problem equating masses on a scale. (Algebra)
 Difficulty: 435

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	5580	5.6	15.2	73.7	4.5	1.0	73.7	0.0	0.2	0.8	74.3	73.1
Austria	3008	2.8	11.4	80.0	4.8	1.1	80.0	0.0	0.1	0.9	80.0	79.6
Belgium (Fl)	2767	4.4	10.4	81.3	3.6	0.4	81.3	0.0	0.0	0.4	80.3	82.2
Belgium (Fr)	2276	7.0	13.3	73.9	3.8	2.1	73.9	0.2	0.1	1.8	71.2	76.8
Bulgaria	1798	6.2	8.3	80.5	3.8	1.2	80.5	0.1	0.0	1.1	81.0	79.7
Canada	8188	5.7	15.5	73.9	4.1	0.7	73.9	0.0	0.0	0.7	73.4	74.7
Colombia	2655	13.2	28.9	45.1	9.4	3.4	45.1	0.4	0.1	2.9	41.5	48.7
Cyprus	2927	8.6	22.8	62.4	4.6	1.7	62.4	0.1	0.0	1.6	61.0	63.7
Czech Republic	3340	5.6	8.1	81.1	4.0	1.3	81.1	0.3	0.0	0.9	78.9	83.3
Denmark	2066	3.9	10.3	78.7	5.0	2.2	78.7	0.4	0.3	1.5	76.6	81.0
England	1780	6.5	14.8	74.5	3.6	0.6	74.5	0.0	0.0	0.6	69.3	78.8
France	3006	4.9	14.9	75.9	2.8	1.5	75.9	0.4	0.0	1.0	74.1	77.8
Germany	2887	2.2	11.5	79.4	4.3	2.5	79.4	0.5	0.1	1.9	78.9	80.1
Greece	3923	12.7	24.0	56.8	4.0	2.5	56.8	0.1	0.1	2.3	54.8	58.9
Hong Kong	3411	5.7	14.3	75.9	3.7	0.3	75.9	0.1	0.0	0.3	73.4	77.9
Hungary	3066	5.7	11.0	77.0	3.6	2.7	77.0	0.0	0.1	2.6	75.7	78.2
Iceland	1952	4.8	18.0	71.3	4.4	1.5	71.3	0.4	0.0	1.1	70.5	72.1
Iran, Islamic Rep.	3725	12.5	23.1	56.6	6.8	0.9	56.6	0.1	0.0	0.8	50.0	61.8
Ireland	3117	9.1	17.8	68.0	4.0	1.0	68.0	0.3	0.0	0.7	64.2	72.5
Israel	.	.	.	.	.	.	.	.	.	.	.	.
Japan	5126	3.2	11.3	82.4	2.8	0.3	82.4	0.1	0.0	0.2	80.3	84.3
Korea	2907	3.9	15.6	78.1	2.4	0.0	78.1	0.0	0.0	0.0	77.7	78.4
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	2567	4.2	10.2	79.6	4.1	1.9	79.6	0.0	0.1	1.8	77.9	81.3
Lithuania	2518	4.2	8.4	76.8	7.3	3.3	76.8	0.2	0.1	3.1	75.6	78.0
Netherlands	2097	3.7	11.5	79.7	4.4	0.7	79.7	0.1	0.1	0.6	78.9	80.4
New Zealand	3173	5.9	14.9	74.1	4.7	0.5	74.1	0.2	0.0	0.3	73.5	74.5
Norway	2458	8.5	17.1	68.0	4.4	2.0	68.0	0.0	0.2	1.9	67.7	68.2
Philippines	5847	18.1	47.9	30.0	3.6	0.4	30.0	0.0	0.1	0.4	28.9	31.3
Portugal	3344	5.2	17.5	70.4	5.5	1.4	70.4	0.0	0.1	1.3	66.0	75.0
Romania	3734	5.5	14.6	72.7	4.8	2.4	72.7	0.8	0.0	1.6	71.1	74.4
Russian Federation	4132	2.7	8.4	83.5	4.3	1.2	83.5	0.1	0.1	1.0	82.7	84.4
Scotland	2893	7.1	16.1	72.0	3.8	1.0	72.0	0.1	0.3	0.6	69.0	75.2
Singapore	3641	3.9	10.4	82.3	3.1	0.3	82.3	0.0	0.0	0.3	81.6	83.1
Slovak Republic	3598	2.6	7.8	84.4	4.3	0.9	84.4	0.5	0.0	0.4	83.3	85.5
Slovenia	2896	3.7	10.3	80.2	4.9	1.0	80.2	0.3	0.0	0.7	78.7	81.8
South Africa	5301	17.5	41.8	30.2	8.5	2.0	30.2	0.2	0.4	1.5	27.8	33.2
Spain	3737	10.0	21.9	62.6	4.5	1.1	62.6	0.0	0.0	1.1	61.4	63.8
Sweden	2821	2.5	10.5	81.1	5.5	0.5	81.1	0.1	0.2	0.2	79.5	82.6
Switzerland	4084	3.1	10.0	81.1	4.5	1.4	81.1	0.3	0.0	1.0	79.3	82.8
Thailand	5845	14.5	24.6	58.2	2.3	0.5	58.2	0.0	0.0	0.5	57.5	59.3
United States	3862	7.4	17.4	67.5	6.9	0.8	67.5	0.0	0.0	0.8	65.9	69.2
INTERNATIONAL AVG	.	6.6	16.0	71.5	4.5	1.3	71.5	0.2	0.1	1.1	69.8	73.2

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: A03 KEY: D
 Determine actual length of box which is rounded to 9 cm. (Measurement)
 Difficulty: 504

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	5580	16.1	12.3	5.3	65.5	0.9	65.5	0.0	0.2	0.7	66.1	64.8
Austria	3008	6.9	5.1	2.7	83.6	1.7	83.6	0.2	0.1	1.4	84.7	82.1
Belgium (Fl)	2767	5.5	5.2	5.9	82.7	0.7	82.7	0.0	0.0	0.7	83.2	82.2
Belgium (Fr)	2276	21.4	7.8	14.6	49.9	6.2	49.9	0.8	0.1	5.4	50.9	48.0
Bulgaria	1798	34.3	11.4	6.6	39.2	8.6	39.2	4.8	0.0	3.9	40.0	37.6
Canada	8188	22.3	9.3	6.6	60.6	1.3	60.6	0.4	0.0	0.9	60.3	60.9
Colombia	2655	45.1	21.4	10.7	18.3	4.5	18.3	0.1	0.2	4.2	15.7	21.0
Cyprus	2927	21.7	35.3	11.8	27.0	4.2	27.0	0.1	0.0	4.1	24.5	29.6
Czech Republic	3341	3.5	4.3	1.4	90.3	0.5	90.3	0.1	0.0	0.4	90.8	89.7
Denmark	2066	10.1	9.9	7.2	66.9	5.9	66.9	1.2	0.3	4.4	63.4	70.8
England	1780	18.0	12.7	6.3	61.2	1.8	61.2	0.0	0.0	1.8	58.0	63.8
France	3006	29.3	7.6	12.8	46.7	3.7	46.7	1.5	0.0	2.1	47.8	45.8
Germany	2887	7.0	5.4	2.6	81.5	3.5	81.5	1.5	0.2	1.9	82.6	80.8
Greece	3923	21.3	16.4	7.2	52.4	2.7	52.4	0.1	0.1	2.5	54.7	50.3
Hong Kong	3412	5.6	8.2	8.1	77.7	0.4	77.7	0.1	0.0	0.3	77.7	77.5
Hungary	3066	3.1	3.9	3.6	87.7	1.6	87.7	0.0	0.1	1.5	86.6	88.9
Iceland	1952	34.2	7.9	6.3	50.3	1.3	50.3	0.4	0.0	0.9	50.3	50.3
Iran, Islamic Rep.	3735	52.6	28.9	8.1	8.0	2.4	8.0	0.1	0.0	2.4	7.9	8.1
Ireland	3117	18.0	12.4	5.6	63.2	0.9	63.2	0.3	0.0	0.5	62.2	64.3
Israel	.	.	.	.	.	.	.	.	.	.	.	.
Japan	5126	11.9	10.3	12.9	64.2	0.7	64.2	0.1	0.0	0.6	63.2	65.2
Korea	2907	2.6	4.9	2.7	89.7	0.1	89.7	0.0	0.0	0.1	88.9	90.2
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	2564	23.4	11.6	14.2	48.1	2.7	48.1	0.0	0.1	2.5	49.3	46.8
Lithuania	2518	58.5	11.5	6.1	16.2	7.7	16.2	0.7	0.1	6.9	16.8	15.7
Netherlands	2097	7.4	7.9	4.2	79.5	1.0	79.5	0.3	0.1	0.6	80.4	78.7
New Zealand	3173	22.5	15.4	7.8	53.6	0.7	53.6	0.3	0.0	0.3	55.3	52.1
Norway	2459	13.5	9.4	11.1	63.8	2.2	63.8	0.0	0.2	2.1	61.2	66.2
Philippines	5848	35.3	35.3	11.1	17.7	0.6	17.7	0.0	0.1	0.6	18.5	16.8
Portugal	3344	27.4	10.6	10.6	49.1	2.2	49.1	0.0	0.1	2.1	48.0	50.3
Romania	.	.	.	.	.	.	.	.	.	.	.	.
Russian Federation	4136	19.1	10.9	13.7	52.2	4.2	52.2	0.5	0.1	3.6	53.4	50.9
Scotland	2893	17.4	11.2	5.5	64.3	1.7	64.3	1.1	0.3	0.4	62.6	66.2
Singapore	3641	6.2	4.7	2.3	86.5	0.2	86.5	0.0	0.0	0.2	88.2	84.9
Slovak Republic	3598	6.7	5.3	3.1	84.0	0.9	84.0	0.4	0.0	0.5	83.9	84.1
Slovenia	2897	21.5	9.6	13.4	52.1	3.4	52.1	1.0	0.0	2.5	50.6	53.6
South Africa	5301	43.7	30.0	8.3	14.9	3.1	14.9	0.2	0.7	2.3	14.4	15.2
Spain	3737	31.2	14.4	13.9	37.3	3.2	37.3	0.0	0.0	3.2	37.8	36.8
Sweden	2821	11.5	9.3	7.2	71.3	0.8	71.3	0.1	0.2	0.5	69.4	73.0
Switzerland	4085	6.7	6.0	4.1	81.4	1.9	81.4	0.6	0.1	1.1	80.1	82.6
Thailand	5845	27.6	8.5	5.4	58.1	0.4	58.1	0.0	0.0	0.4	58.8	57.1
United States	3862	24.4	13.8	7.8	53.1	0.9	53.1	0.1	0.0	0.8	53.4	52.8
INTERNATIONAL AVG	.	20.4	11.9	7.7	57.7	2.3	57.7	0.4	0.1	1.8	57.5	57.8

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: A04 KEY: D
 Solve word problem using proportions: $4/3 = 12/?$ (Proportionality)
 Difficulty: 542

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	5580	13.8	9.0	26.4	50.1	0.6	50.1	0.0	0.3	0.3	43.5	57.3
Austria	3008	8.9	6.4	30.3	53.7	0.8	53.7	0.0	0.1	0.7	47.7	60.6
Belgium (Fl)	2767	10.2	2.5	10.6	76.5	0.2	76.5	0.0	0.0	0.2	72.1	80.8
Belgium (Fr)	2276	16.5	6.6	21.6	54.7	0.6	54.7	0.0	0.1	0.5	49.7	59.9
Bulgaria	1798	8.4	8.8	25.5	55.3	2.1	55.3	0.1	0.0	2.0	55.1	55.2
Canada	8188	14.7	8.5	27.2	48.7	0.8	48.7	0.0	0.0	0.8	41.5	55.9
Colombia	2655	13.1	8.4	39.9	35.6	2.9	35.6	0.2	0.3	2.4	33.1	37.9
Cyprus	2927	13.9	11.9	27.1	45.4	1.6	45.4	0.0	0.1	1.5	38.5	52.0
Czech Republic	3341	6.5	5.3	35.7	51.8	0.8	51.8	0.1	0.0	0.7	43.5	60.3
Denmark	2066	5.6	3.5	23.8	65.5	1.6	65.5	0.1	0.3	1.3	58.9	72.5
England	1780	13.2	11.1	33.4	41.8	0.5	41.8	0.0	0.0	0.5	35.2	47.2
France	3006	13.6	10.2	31.5	44.2	0.5	44.2	0.1	0.1	0.4	38.4	50.0
Germany	2887	7.1	4.4	29.8	56.7	2.0	56.7	0.1	0.2	1.8	48.2	65.7
Greece	3922	13.4	16.3	37.7	30.9	1.7	30.9	0.2	0.1	1.4	26.0	35.4
Hong Kong	3412	14.9	8.1	14.0	62.6	0.4	62.6	0.1	0.0	0.3	56.7	67.2
Hungary	3066	8.9	8.7	38.7	42.9	0.9	42.9	0.0	0.1	0.8	35.5	50.2
Iceland	1952	4.0	4.2	36.1	54.7	0.9	54.7	0.2	0.0	0.7	46.3	62.9
Iran, Islamic Rep.	3735	14.4	10.2	21.7	52.6	1.1	52.6	0.1	0.0	1.0	44.0	59.1
Ireland	3117	14.1	8.0	23.4	54.0	0.4	54.0	0.0	0.0	0.4	47.5	61.6
Israel	.	.	.	.	.	.	.	.	.	.	.	.
Japan	5126	3.0	2.7	26.9	67.3	0.2	67.3	0.0	0.0	0.1	58.2	75.8
Korea	2907	24.2	11.0	17.2	47.6	0.0	47.6	0.0	0.0	0.0	44.3	50.0
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	2564	8.2	8.5	35.2	46.8	1.2	46.8	0.0	0.1	1.1	38.4	55.5
Lithuania	2518	8.9	7.1	34.1	47.6	2.4	47.6	0.0	0.2	2.2	43.8	51.3
Netherlands	2097	10.4	4.7	16.1	68.4	0.3	68.4	0.0	0.1	0.2	61.6	75.3
New Zealand	3173	12.5	9.5	32.9	44.6	0.5	44.6	0.0	0.0	0.4	38.4	50.1
Norway	2459	9.3	7.9	33.5	48.5	0.8	48.5	0.0	0.3	0.5	40.1	56.4
Philippines	5847	14.7	12.3	25.8	46.6	0.6	46.6	0.0	0.1	0.5	45.3	48.0
Portugal	3344	11.3	16.3	42.2	28.8	1.4	28.8	0.0	0.1	1.3	23.2	34.8
Romania	3741	15.8	10.1	28.3	42.7	3.1	42.7	0.5	0.0	2.6	38.6	47.0
Russian Federation	4136	2.4	2.7	37.1	56.6	1.1	56.6	0.0	0.1	1.0	48.5	65.0
Scotland	2893	12.3	13.3	41.8	31.8	0.8	31.8	0.1	0.3	0.5	24.6	38.9
Singapore	3641	8.3	2.9	13.6	75.0	0.1	75.0	0.0	0.0	0.1	73.9	76.2
Slovak Republic	3598	7.2	5.6	30.5	55.4	1.3	55.4	0.1	0.0	1.2	50.6	60.4
Slovenia	2897	11.7	8.8	31.0	47.7	0.8	47.7	0.1	0.0	0.7	40.5	55.2
South Africa	5301	13.6	9.6	22.3	50.2	4.2	50.2	0.3	0.8	3.2	49.0	51.6
Spain	3737	11.5	13.0	42.3	32.7	0.5	32.7	0.0	0.0	0.5	26.1	39.1
Sweden	2820	7.1	5.8	33.5	53.0	0.7	53.0	0.0	0.2	0.5	44.9	60.7
Switzerland	4085	6.8	4.0	23.6	64.8	0.9	64.8	0.0	0.1	0.7	56.5	73.0
Thailand	5845	8.0	7.3	31.1	53.4	0.2	53.4	0.0	0.0	0.2	52.2	55.4
United States	3862	11.5	11.1	35.4	41.1	0.9	41.1	0.0	0.0	0.9	34.2	48.1
INTERNATIONAL AVG	.	10.9	8.2	29.2	50.7	1.1	50.7	0.1	0.1	0.9	44.9	56.5

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: A05 KEY: B
 Identify congruent triangles in a rectangle. (Geometry)
 Difficulty: 517

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	5580	11.4	41.1	24.5	17.1	5.9	41.1	0.0	0.3	5.6	42.0	40.2
Austria	3008	9.7	49.5	20.2	11.9	8.7	49.5	0.8	0.1	7.8	49.6	49.2
Belgium (Fl)	2767	8.8	44.3	22.2	15.7	9.0	44.3	0.0	0.0	9.0	46.1	42.6
Belgium (Fr)	2276	5.5	71.6	10.4	5.9	6.6	71.6	1.3	0.1	5.3	73.6	69.0
Bulgaria	1798	3.7	76.6	8.5	4.4	6.8	76.6	3.7	0.0	3.0	77.7	75.1
Canada	8188	8.3	55.0	22.4	11.5	2.8	55.0	1.0	0.0	1.9	56.2	54.0
Colombia	2655	15.7	22.6	25.0	19.2	17.6	22.6	1.7	0.4	15.4	19.6	25.4
Cyprus	2927	8.0	65.9	14.7	6.3	5.1	65.9	1.3	0.2	3.7	66.7	65.2
Czech Republic	3341	4.7	75.2	9.1	7.9	3.1	75.2	1.5	0.0	1.6	76.3	74.0
Denmark	2066	10.9	47.8	15.7	7.3	18.4	47.8	1.4	0.3	16.7	47.0	47.9
England	1780	10.4	34.1	28.8	18.9	7.8	34.1	0.0	0.0	7.8	31.2	36.6
France	3006	5.2	70.1	12.6	6.5	5.5	70.1	1.7	0.1	3.8	72.0	68.2
Germany	2887	7.4	40.6	16.2	9.7	26.1	40.6	3.8	0.2	22.1	43.7	37.6
Greece	3922	9.0	53.1	19.7	10.4	7.8	53.1	3.3	0.1	4.4	56.8	49.7
Hong Kong	3412	8.9	70.4	13.7	6.4	0.6	70.4	0.1	0.0	0.5	68.9	71.6
Hungary	3066	10.0	38.7	22.2	17.4	11.7	38.7	0.0	0.2	11.5	39.2	38.3
Iceland	1952	11.9	47.4	25.1	10.4	5.1	47.4	0.8	0.0	4.3	49.0	46.0
Iran, Islamic Rep.	3735	12.3	44.0	23.1	15.0	5.7	44.0	2.6	0.0	3.0	44.7	43.3
Ireland	3117	11.2	35.4	29.4	18.1	5.8	35.4	1.0	0.0	4.8	35.1	35.8
Israel	.	.	.	.	.	.	.	.	.	.	.	.
Japan	5126	7.3	72.0	9.7	9.1	1.9	72.0	1.6	0.0	0.3	72.8	71.3
Korea	2907	3.5	83.6	7.6	5.3	0.1	83.6	0.0	0.0	0.1	83.6	83.6
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	2564	5.6	68.2	12.5	7.9	5.8	68.2	0.0	0.2	5.7	72.9	63.4
Lithuania	2518	5.8	61.2	13.1	8.6	11.3	61.2	1.0	0.2	10.2	67.1	55.3
Netherlands	2097	8.4	66.0	14.9	8.4	2.4	66.0	0.2	0.1	2.1	68.2	64.0
New Zealand	3173	11.8	43.4	25.6	17.2	2.0	43.4	0.7	0.0	1.2	44.9	42.0
Norway	2459	9.4	39.8	27.3	12.4	11.1	39.8	0.0	0.3	10.8	41.2	38.5
Philippines	5847	13.9	39.7	26.7	19.3	0.5	39.7	0.0	0.1	0.4	39.7	39.6
Portugal	3344	13.3	46.5	21.2	12.3	6.7	46.5	0.0	0.1	6.6	46.5	46.5
Romania	3738	6.9	65.3	10.1	7.9	9.8	65.3	5.3	0.1	4.4	66.3	64.4
Russian Federation	4135	4.5	71.7	12.2	6.6	5.0	71.7	1.4	0.1	3.5	74.4	69.0
Scotland	2893	11.7	35.6	28.4	16.1	8.2	35.6	2.6	0.3	5.3	35.3	35.9
Singapore	3641	9.0	61.4	16.6	11.7	1.3	61.4	0.0	0.0	1.3	61.7	61.2
Slovak Republic	3598	6.6	69.3	10.6	10.0	3.5	69.3	1.8	0.0	1.7	71.1	67.4
Slovenia	2895	7.9	64.2	14.5	8.3	5.1	64.2	1.9	0.0	3.2	66.8	61.6
South Africa	5301	15.6	29.4	29.0	18.5	7.5	29.4	1.4	1.0	5.1	30.0	28.5
Spain	3737	8.9	59.6	17.6	8.9	5.0	59.6	0.0	0.0	5.0	59.5	59.7
Sweden	2817	11.6	45.0	27.9	11.4	4.0	45.0	0.2	0.2	3.6	44.3	45.8
Switzerland	4085	9.5	49.0	18.8	11.7	11.0	49.0	2.6	0.1	8.3	47.8	50.0
Thailand	5845	9.2	70.4	11.8	8.3	0.3	70.4	0.0	0.0	0.3	71.8	68.6
United States	3862	11.4	52.9	20.0	14.1	1.5	52.9	0.2	0.0	1.3	54.2	51.6
INTERNATIONAL AVG	.	9.1	54.4	18.5	11.4	6.6	54.4	1.2	0.1	5.3	55.4	53.4

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: A06 KEY: C

Find difference between the means of two sets of data. (Data Rep., Analysis & Prob.)

Difficulty: 426

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	5580	2.7	5.0	71.4	9.2	10.0	1.7	71.4	0.0	0.3	1.4	75.0	67.4
Austria	3008	3.0	2.6	79.0	9.7	4.2	1.4	79.0	0.0	0.1	1.2	79.8	77.8
Belgium (Fl)	2767	1.7	2.1	84.0	4.6	6.7	0.8	84.0	0.0	0.0	0.8	84.2	83.9
Belgium (Fr)	2272	1.7	3.6	75.0	7.1	10.2	2.3	75.0	0.0	0.1	2.2	74.3	75.6
Bulgaria	1798	1.8	2.2	85.5	3.9	4.9	1.7	85.5	0.0	0.0	1.7	87.7	82.8
Canada	8188	3.0	4.5	74.8	6.8	10.1	0.8	74.8	0.0	0.0	0.8	76.9	73.1
Colombia	2655	5.1	8.2	68.9	5.8	8.3	3.6	68.9	0.4	0.7	2.5	67.7	70.0
Cyprus	2927	3.7	5.9	65.3	11.1	10.5	3.4	65.3	0.1	0.2	3.2	65.2	65.4
Czech Republic	3334	1.4	2.5	83.4	5.0	6.1	1.6	83.4	0.2	0.0	1.4	84.3	82.4
Denmark	2066	3.6	4.6	66.7	11.9	7.3	5.7	66.7	0.0	0.4	5.4	69.1	64.9
England	1780	3.0	5.9	64.1	14.1	12.0	1.0	64.1	0.0	0.0	1.0	66.1	62.5
France	3006	2.6	3.7	77.7	5.3	9.4	1.2	77.7	0.1	0.1	1.0	79.2	76.5
Germany	2887	2.0	2.9	74.1	9.5	7.2	4.2	74.1	0.1	0.2	3.9	75.7	73.1
Greece	3921	3.1	5.5	68.4	9.8	10.6	2.7	68.4	0.3	0.1	2.3	68.7	68.2
Hong Kong	3409	1.7	3.1	82.8	5.2	6.7	0.6	82.8	0.1	0.0	0.5	83.1	82.5
Hungary	3066	1.7	1.8	76.9	8.2	8.0	3.3	76.9	0.0	0.3	3.0	78.3	75.6
Iceland	1952	4.0	6.7	66.2	9.3	12.6	1.2	66.2	0.1	0.0	1.1	69.8	62.9
Iran, Islamic Rep.	3734	4.3	6.2	68.2	10.2	10.1	1.0	68.2	0.3	0.0	0.7	70.2	66.7
Ireland	3117	1.5	2.7	84.4	5.8	4.8	0.7	84.4	0.2	0.0	0.5	85.2	83.5
Israel	.	.	.	.	.	.	.	.	.	.	.	.	.
Japan	5126	1.8	2.7	84.7	4.5	6.1	0.3	84.7	0.0	0.0	0.3	85.7	83.7
Korea	2907	1.4	2.1	89.2	3.3	4.1	0.0	89.2	0.0	0.0	0.0	88.6	89.6
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	2566	1.7	3.3	66.0	13.6	11.4	4.1	66.0	0.0	0.2	3.8	66.9	65.1
Lithuania	2518	2.2	2.9	72.8	8.4	7.6	6.2	72.8	0.1	0.2	5.9	76.9	68.6
Netherlands	2097	3.5	4.9	72.2	8.4	10.3	0.7	72.2	0.0	0.1	0.5	72.0	72.4
New Zealand	3173	3.2	4.8	65.8	12.8	13.0	0.5	65.8	0.1	0.0	0.4	69.7	62.3
Norway	2459	2.8	4.6	68.7	13.5	8.0	2.5	68.7	0.0	0.3	2.1	71.9	65.6
Philippines	5847	5.8	7.0	63.2	12.2	10.7	1.1	63.2	0.0	0.1	1.1	66.0	60.2
Portugal	3344	3.2	5.4	67.9	9.2	12.2	2.1	67.9	0.0	0.1	2.0	69.1	66.6
Romania	3741	2.3	3.3	77.8	6.4	6.8	3.4	77.8	0.6	0.1	2.7	78.4	77.2
Russian Federation	4137	2.8	3.0	74.0	9.1	7.7	3.5	74.0	0.0	0.1	3.4	75.0	72.8
Scotland	2893	3.0	4.5	66.2	13.3	11.5	1.5	66.2	0.1	0.3	1.2	66.9	65.5
Singapore	3641	1.0	2.2	91.3	2.2	3.1	0.2	91.3	0.0	0.0	0.2	92.1	90.4
Slovak Republic	3598	1.2	1.7	86.5	4.8	4.6	1.3	86.5	0.3	0.1	1.0	88.0	84.9
Slovenia	2896	2.6	2.5	79.3	7.0	7.4	1.2	79.3	0.1	0.0	1.1	80.7	77.9
South Africa	5301	7.9	8.2	47.7	21.1	11.4	3.8	47.7	0.6	1.1	2.1	47.9	47.7
Spain	3737	2.6	5.3	76.5	5.8	8.7	1.1	76.5	0.0	0.0	1.1	76.8	76.1
Sweden	2820	3.9	3.8	72.3	11.6	7.4	0.9	72.3	0.0	0.2	0.7	73.7	70.9
Switzerland	4085	3.0	1.9	79.6	8.9	4.8	1.7	79.6	0.1	0.1	1.5	81.2	78.3
Thailand	5845	2.6	3.3	79.0	6.4	7.0	1.7	79.0	0.0	0.0	1.7	80.0	77.5
United States	3862	2.8	5.8	71.6	7.7	11.2	1.1	71.6	0.0	0.0	1.1	74.3	68.9
INTERNATIONAL AVG	.	2.8	4.1	74.2	8.6	8.4	1.9	74.2	0.1	0.1	1.7	75.6	72.9

DIFF = Item Difficulty

Because of missing gender information, some totals may appear inconsistent

Item: B07 KEY: D
 Interpret line graph to find region of largest increase. (Data Rep., Analysis & Prob.)
 Difficulty: 498

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2783	11.0	7.0	17.1	63.9	1.0	63.9	0.0	0.3	0.7	65.6	62.0
Austria	1487	11.3	2.5	15.1	68.3	2.7	68.3	0.0	0.2	2.5	71.2	64.7
Belgium (Fl)	1372	17.6	5.1	16.2	60.5	0.6	60.5	0.0	0.1	0.5	60.2	60.9
Belgium (Fr)	1133	13.6	8.4	20.7	54.4	3.0	54.4	0.5	0.4	2.1	52.6	56.3
Bulgaria	968	16.5	4.1	18.7	56.5	4.2	56.5	0.7	0.0	3.5	58.4	54.3
Canada	4110	12.9	9.0	17.0	60.5	0.5	60.5	0.1	0.0	0.4	61.8	59.3
Colombia	1321	36.5	4.9	19.6	32.4	6.6	32.4	0.7	1.8	4.2	32.5	31.7
Cyprus	1418	37.4	6.9	17.7	33.3	4.7	33.3	0.4	0.0	4.4	34.0	32.6
Czech Republic	1664	26.7	2.3	14.6	53.7	2.8	53.7	1.3	0.0	1.5	51.4	56.0
Denmark	967	9.5	7.2	16.7	59.4	7.3	59.4	2.5	0.5	4.3	58.9	60.7
England	887	10.0	5.2	17.3	67.0	0.6	67.0	0.0	0.0	0.6	67.0	66.9
France	1513	10.0	4.0	19.5	64.8	1.8	64.8	0.6	0.0	1.2	65.2	64.7
Germany	1448	10.8	2.8	15.3	67.4	3.6	67.4	1.8	0.2	1.6	65.3	69.3
Greece	1952	21.8	5.2	22.4	47.8	2.8	47.8	0.4	0.2	2.3	48.5	47.1
Hong Kong	1705	5.1	8.0	7.5	79.0	0.4	79.0	0.0	0.1	0.3	78.9	79.1
Hungary	1539	15.2	5.0	16.9	59.0	3.9	59.0	0.0	0.5	3.4	60.7	57.4
Iceland	970	6.4	9.5	9.8	73.1	1.2	73.1	0.5	0.1	0.6	74.3	71.8
Iran, Islamic Rep.	1868	26.9	9.6	41.7	18.9	2.9	18.9	0.1	0.0	2.8	18.7	19.1
Ireland	1585	13.3	6.3	18.1	61.1	1.2	61.1	0.6	0.0	0.7	60.1	62.3
Israel	.	.	.	.	.	.	.	.	.	.	.	.
Japan	2558	3.1	5.3	6.0	85.4	0.2	85.4	0.1	0.0	0.2	87.1	83.7
Korea	1440	6.0	3.3	5.1	85.5	0.1	85.5	0.0	0.1	0.1	86.0	85.2
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	1276	13.9	6.9	22.4	46.7	10.1	46.7	0.0	0.3	9.9	52.2	40.7
Lithuania	1255	20.6	4.0	16.5	45.6	13.2	45.6	1.4	0.7	11.1	48.4	42.8
Netherlands	1046	5.0	9.3	12.3	72.9	0.5	72.9	0.0	0.1	0.4	72.2	73.7
New Zealand	1588	11.7	8.2	14.1	65.1	1.0	65.1	0.1	0.1	0.8	64.9	65.2
Norway	1236	9.3	9.5	16.7	61.3	3.3	61.3	0.0	0.4	2.9	56.2	65.7
Philippines	2922	30.5	7.0	24.2	38.0	0.3	38.0	0.0	0.0	0.3	38.1	37.8
Portugal	1676	21.2	4.2	20.1	52.6	1.9	52.6	0.0	0.2	1.7	52.9	52.2
Romania	1879	22.0	7.8	31.5	31.3	7.4	31.3	3.1	0.2	4.2	30.8	31.7
Russian Federation	2047	11.6	3.2	17.3	63.9	4.0	63.9	0.6	0.4	3.0	65.9	61.8
Scotland	1460	11.5	6.7	18.9	61.8	1.0	61.8	0.4	0.3	0.2	61.2	62.6
Singapore	1815	8.1	4.8	7.2	79.2	0.7	79.2	0.0	0.0	0.7	81.8	76.6
Slovak Republic	1780	16.8	4.4	17.7	58.1	3.0	58.1	1.0	0.2	1.7	55.3	60.9
Slovenia	1452	13.5	4.8	13.6	66.7	1.4	66.7	0.1	0.0	1.3	67.3	66.0
South Africa	2598	38.5	10.4	22.1	24.8	4.2	24.8	0.6	1.2	2.3	23.9	25.7
Spain	1873	29.7	3.0	15.1	50.6	1.6	50.6	0.0	0.1	1.5	51.0	50.2
Sweden	1386	11.5	7.2	15.6	64.4	1.3	64.4	0.2	0.1	1.1	66.8	62.0
Switzerland	2055	11.4	4.8	13.7	68.1	2.0	68.1	0.7	0.3	1.0	68.2	68.0
Thailand	2907	22.0	5.1	16.9	55.3	0.6	55.3	0.0	0.1	0.5	55.1	55.4
United States	1936	9.9	8.0	15.4	66.2	0.5	66.2	0.0	0.0	0.4	67.0	65.4
INTERNATIONAL AVG	.	16.0	6.0	17.1	58.1	2.8	58.1	0.5	0.2	2.1	58.4	57.7

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: B08 KEY: A
 Solve word problem using proportions: 300 calories/100g = ?/30g. (Proportionality)
 Difficulty: 468

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2783	62.2	26.7	6.0	2.3	1.6	1.2	62.2	0.0	0.3	0.9	61.2	63.3
Austria	1487	74.2	19.0	2.9	1.3	1.2	1.5	74.2	0.0	0.2	1.3	79.2	68.9
Belgium (Fl)	1372	79.2	14.7	2.1	1.9	1.2	0.9	79.2	0.0	0.1	0.8	79.4	79.0
Belgium (Fr)	1133	72.6	18.4	2.4	1.7	1.4	3.5	72.6	0.0	0.4	3.1	70.8	74.7
Bulgaria	968	72.5	13.0	4.4	2.8	3.2	4.1	72.5	0.1	0.0	3.9	74.0	71.0
Canada	4110	69.0	19.3	5.9	2.0	2.6	1.2	69.0	0.0	0.0	1.2	66.4	71.6
Colombia	1321	59.1	12.6	8.2	4.9	6.4	8.9	59.1	0.9	2.3	5.7	54.4	63.5
Cyprus	1418	66.7	16.0	7.3	3.7	4.2	2.1	66.7	0.1	0.0	2.0	69.6	63.9
Czech Republic	1663	71.0	15.7	5.8	1.8	3.3	2.4	71.0	0.2	0.1	2.1	69.3	72.7
Denmark	967	61.4	24.2	5.9	1.5	1.8	5.2	61.4	0.2	0.5	4.5	60.2	62.8
England	887	65.8	26.5	3.9	1.5	1.6	0.6	65.8	0.0	0.0	0.6	62.7	68.3
France	1513	64.7	18.0	6.7	3.5	2.5	4.6	64.7	0.3	0.0	4.2	62.8	67.4
Germany	1448	63.6	26.7	3.7	1.6	1.1	3.3	63.6	0.3	0.2	2.8	63.5	63.8
Greece	1952	65.2	15.8	7.5	5.2	3.1	3.2	65.2	0.2	0.2	2.8	66.7	63.9
Hong Kong	1705	80.6	10.8	5.0	2.0	0.9	0.6	80.6	0.0	0.1	0.5	81.9	79.7
Hungary	1539	65.4	21.7	4.4	2.2	2.0	4.4	65.4	0.0	0.6	3.7	64.0	66.8
Iceland	970	58.3	27.1	6.6	3.2	2.4	2.3	58.3	0.1	0.1	2.2	57.4	59.2
Iran, Islamic Rep.	1868	62.4	10.0	11.5	4.2	10.8	1.2	62.4	0.2	0.2	0.8	61.2	63.4
Ireland	1585	71.4	18.6	4.0	2.8	2.1	1.1	71.4	0.1	0.0	1.0	70.4	72.6
Israel	.	.	.	.	.	.	.	.	.	.	.	.	.
Japan	2558	58.7	20.4	11.6	4.0	4.9	0.4	58.7	0.0	0.0	0.4	58.2	59.1
Korea	1440	76.4	11.7	5.3	3.8	2.5	0.3	76.4	0.0	0.1	0.2	76.0	76.7
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	1276	70.7	19.5	4.3	1.1	1.4	3.1	70.7	0.0	0.3	2.8	71.2	69.9
Lithuania	1256	44.8	23.4	7.4	1.6	9.6	13.2	44.8	0.2	1.0	12.0	40.2	49.4
Netherlands	1046	69.4	22.4	4.2	1.9	1.4	0.7	69.4	0.0	0.1	0.6	68.4	70.3
New Zealand	1588	63.2	24.3	6.8	3.2	1.4	1.0	63.2	0.1	0.1	0.8	63.3	63.2
Norway	1236	60.8	25.9	5.2	3.5	1.9	2.8	60.8	0.0	0.5	2.3	59.5	61.9
Philippines	2922	40.4	17.5	19.2	10.8	11.4	0.7	40.4	0.0	0.0	0.7	40.5	40.3
Portugal	1676	61.9	19.6	8.4	3.8	2.4	3.9	61.9	0.0	0.3	3.6	61.2	62.6
Romania	1882	68.9	10.5	6.3	3.5	6.0	4.8	68.9	0.4	0.3	4.1	69.4	68.6
Russian Federation	2046	70.7	15.5	4.1	1.8	3.3	4.7	70.7	0.1	0.5	4.1	70.8	70.6
Scotland	1460	64.2	24.5	5.2	2.7	1.9	1.5	64.2	0.0	0.3	1.1	63.1	65.5
Singapore	1815	87.0	6.3	2.5	2.5	1.3	0.3	87.0	0.0	0.0	0.3	88.2	85.7
Slovak Republic	1778	72.9	16.0	4.5	1.9	2.9	1.7	72.9	0.1	0.3	1.3	75.2	70.8
Slovenia	1452	71.7	17.8	4.3	2.3	2.0	2.0	71.7	0.0	0.0	2.0	71.4	71.9
South Africa	2598	35.4	17.1	19.1	10.7	12.8	4.9	35.4	0.1	1.3	3.5	34.5	36.4
Spain	1873	73.7	14.5	5.3	2.0	2.1	2.3	73.7	0.0	0.1	2.2	74.5	73.0
Sweden	1386	47.5	25.6	14.3	6.9	2.6	3.0	47.5	0.0	0.1	2.9	44.0	50.7
Switzerland	2055	72.7	20.6	2.5	1.3	0.6	2.3	72.7	0.1	0.3	2.0	73.1	72.3
Thailand	2907	80.4	11.8	2.3	1.8	2.2	1.5	80.4	0.0	0.1	1.5	79.8	81.8
United States	1936	67.0	19.2	6.3	2.7	3.9	0.8	67.0	0.2	0.0	0.6	66.2	67.8
INTERNATIONAL AVG	.	66.1	18.5	6.3	3.1	3.3	2.7	66.1	0.1	0.3	2.3	65.6	66.6

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: B09 KEY: A
 Identify shaded figure which shows $2/5 = 4/10$. (Fractions and number sense)
 Difficulty: 523

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	2783	61.8	10.0	9.3	15.2	3.7	61.8	0.0	0.3	3.4	66.1	57.2
Austria	1487	46.0	15.5	18.9	8.2	11.4	46.0	0.0	0.2	11.2	46.6	45.5
Belgium (Fl)	1372	75.0	6.4	6.6	10.3	1.7	75.0	0.1	0.1	1.6	75.4	74.6
Belgium (Fr)	1133	67.5	5.1	6.5	11.8	9.0	67.5	2.9	0.4	5.8	68.7	66.9
Bulgaria	968	53.0	10.5	16.3	9.4	10.8	53.0	0.4	0.0	10.4	54.0	52.2
Canada	4110	64.8	9.7	4.6	18.9	2.1	64.8	0.9	0.0	1.2	66.9	62.8
Colombia	1321	46.7	13.2	11.2	12.7	16.2	46.7	3.0	3.0	10.2	48.3	44.9
Cyprus	1418	55.0	7.5	8.4	19.6	9.5	55.0	4.1	0.0	5.4	58.9	51.2
Czech Republic	1663	50.3	14.7	18.8	7.3	9.0	50.3	2.6	0.3	6.1	54.6	45.8
Denmark	967	53.6	9.6	7.6	13.6	15.7	53.6	5.0	0.8	10.0	56.3	51.6
England	887	49.9	14.9	13.6	17.5	4.1	49.9	0.0	0.0	4.1	51.5	48.6
France	1513	58.4	10.0	8.4	15.1	8.0	58.4	3.9	0.0	4.1	60.5	57.0
Germany	1448	47.5	10.6	14.7	9.7	17.5	47.5	6.5	0.3	10.8	51.6	43.7
Greece	1952	44.9	8.4	10.5	19.4	16.8	44.9	8.9	0.2	7.7	50.3	40.2
Hong Kong	1705	74.7	5.1	3.9	10.1	6.2	74.7	0.4	0.1	5.6	76.2	73.5
Hungary	1539	52.2	10.0	17.8	6.0	14.0	52.2	0.0	0.8	13.2	53.1	51.2
Iceland	970	48.1	10.1	10.3	22.5	9.1	48.1	5.2	0.2	3.7	50.9	45.2
Iran, Islamic Rep.	1868	52.5	9.4	13.4	11.5	13.1	52.5	4.2	0.2	8.7	55.3	50.3
Ireland	1585	52.9	12.8	12.5	14.4	7.4	52.9	4.6	0.0	2.8	53.8	51.9
Israel	.	.	.	.	.	.	.	.	.	.	.	.
Japan	2558	75.1	7.5	9.5	6.1	1.8	75.1	0.8	0.0	1.0	77.7	72.7
Korea	1440	77.6	5.9	7.9	8.1	0.5	77.6	0.0	0.0	0.5	74.9	79.5
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	1276	42.6	12.6	19.8	8.9	16.1	42.6	0.0	0.4	15.7	45.5	39.4
Lithuania	1256	38.4	11.9	17.0	10.2	22.4	38.4	2.2	1.0	19.2	40.0	36.9
Netherlands	1046	64.6	10.9	11.7	10.2	2.6	64.6	0.6	0.1	1.9	66.6	62.7
New Zealand	1588	51.9	13.1	11.5	19.2	4.4	51.9	2.1	0.2	2.1	52.1	51.6
Norway	1236	44.7	12.8	11.3	20.6	10.5	44.7	0.0	0.5	10.0	44.1	45.3
Philippines	2922	59.0	12.3	10.0	16.4	2.4	59.0	0.1	0.1	2.2	60.2	57.7
Portugal	1675	36.2	14.4	23.5	14.4	11.4	36.2	0.0	0.3	11.1	40.7	31.4
Romania	1872	39.1	11.2	15.6	9.7	24.4	39.1	15.1	0.3	9.1	39.6	38.8
Russian Federation	2046	57.6	10.6	13.6	7.1	11.0	57.6	1.9	0.7	8.5	58.5	56.6
Scotland	1460	48.7	17.2	10.0	19.1	5.0	48.7	2.3	0.3	2.4	50.4	47.0
Singapore	1815	78.9	5.6	3.3	11.2	0.9	78.9	0.0	0.0	0.9	80.8	77.2
Slovak Republic	1778	45.8	15.0	20.6	8.0	10.6	45.8	4.9	0.3	5.4	49.6	42.2
Slovenia	1450	59.7	11.3	11.8	9.2	8.1	59.7	3.7	0.0	4.3	61.1	58.2
South Africa	2598	30.4	14.0	12.7	23.1	19.9	30.4	4.4	1.3	14.1	29.8	31.0
Spain	1873	45.9	14.2	10.1	16.8	12.9	45.9	0.0	0.2	12.7	47.2	44.7
Sweden	1386	52.8	14.6	10.6	17.9	4.1	52.8	1.8	0.1	2.1	57.8	48.1
Switzerland	2055	58.9	10.3	12.5	10.9	7.4	58.9	3.4	0.3	3.7	59.7	58.1
Thailand	2907	69.8	8.6	5.3	14.8	1.5	69.8	0.0	0.1	1.5	70.6	68.7
United States	1936	59.3	11.9	6.5	20.0	2.4	59.3	0.3	0.0	2.0	61.3	57.3
INTERNATIONAL AVG	.	54.8	11.0	11.7	13.4	9.1	54.8	2.4	0.3	6.4	56.7	53.0

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: B10 KEY: E
 Identify smallest of decimal fractions. (Fractions and number sense)
 Difficulty: 560

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2783	25.5	4.9	2.0	19.4	46.9	1.2	46.9	0.0	0.3	0.9	44.4	49.6
Austria	1487	30.1	1.6	0.9	11.2	55.2	0.8	55.2	0.0	0.2	0.6	48.2	63.6
Belgium (Fl)	1372	28.3	1.2	1.0	3.6	65.6	0.3	65.6	0.0	0.1	0.2	61.9	69.3
Belgium (Fr)	1133	31.9	1.9	0.7	5.5	58.5	1.5	58.5	0.0	0.4	1.1	53.6	64.0
Bulgaria	968	21.8	2.1	3.6	19.4	52.5	0.6	52.5	0.0	0.0	0.5	51.3	53.5
Canada	4110	21.5	4.9	1.8	27.4	43.6	0.8	43.6	0.0	0.0	0.8	40.3	47.3
Colombia	1321	10.8	0.7	1.1	73.8	8.3	5.2	8.3	0.4	3.2	1.6	8.2	8.4
Cyprus	1418	39.5	5.7	3.2	26.7	23.8	1.1	23.8	0.1	0.0	1.0	18.5	29.0
Czech Republic	1663	24.1	2.5	0.5	21.0	50.8	1.0	50.8	0.1	0.3	0.6	47.2	54.7
Denmark	967	23.8	5.7	1.1	29.8	37.4	2.1	37.4	0.2	0.8	1.2	28.1	46.4
England	887	22.8	4.4	1.3	38.9	31.9	0.7	31.9	0.0	0.0	0.7	24.6	37.7
France	1513	13.7	3.7	0.6	7.1	73.2	1.7	73.2	0.1	0.0	1.6	74.7	72.0
Germany	1448	17.4	3.9	0.8	13.2	63.2	1.4	63.2	0.2	0.4	0.9	60.1	66.2
Greece	1952	20.6	2.7	1.5	38.7	35.0	1.5	35.0	0.3	0.2	1.0	32.5	37.2
Hong Kong	1705	20.8	2.4	1.3	5.6	68.8	1.1	68.8	0.0	0.1	0.9	62.1	74.1
Hungary	1539	41.2	2.1	2.1	14.6	38.5	1.6	38.5	0.0	0.9	0.7	33.5	43.4
Iceland	970	7.1	16.1	1.0	16.4	58.9	0.5	58.9	0.0	0.2	0.4	53.9	64.1
Iran, Islamic Rep.	1868	39.3	11.2	4.6	35.1	8.9	0.8	8.9	0.1	0.3	0.5	7.5	10.1
Ireland	1585	36.4	3.3	1.8	14.5	43.5	0.5	43.5	0.1	0.0	0.4	38.2	50.2
Israel	.	.	.	.	.	.	.	.	.	.	.	.	.
Japan	2558	26.1	0.7	0.8	3.0	69.3	0.2	69.3	0.0	0.0	0.2	62.3	75.9
Korea	1440	17.5	1.1	0.8	3.3	77.2	0.1	77.2	0.0	0.1	0.1	72.6	80.4
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	1276	38.8	3.0	2.0	23.4	30.2	2.6	30.2	0.0	0.4	2.2	26.7	33.9
Lithuania	1256	31.3	3.2	0.8	23.5	38.6	2.6	38.6	0.0	1.3	1.3	35.6	41.6
Netherlands	1046	31.4	2.9	0.9	11.8	51.6	1.3	51.6	0.1	0.1	1.2	45.7	57.4
New Zealand	1588	29.0	3.6	1.4	31.2	33.9	0.8	33.9	0.0	0.2	0.6	29.3	38.1
Norway	1236	15.3	7.4	1.1	26.2	48.9	1.2	48.9	0.0	0.5	0.7	38.5	57.9
Philippines	2922	11.2	2.3	3.0	72.0	11.0	0.5	11.0	0.0	0.1	0.4	11.3	10.7
Portugal	1676	38.3	2.7	1.9	32.2	23.1	1.8	23.1	0.0	0.4	1.4	20.9	25.5
Romania	1883	25.9	4.2	2.4	38.1	26.0	3.4	26.0	0.4	0.4	2.6	24.2	28.0
Russian Federation	2046	34.1	1.9	1.1	22.8	38.5	1.5	38.5	0.1	0.7	0.7	34.7	42.5
Scotland	1460	22.7	6.3	0.6	41.7	27.8	0.9	27.8	0.1	0.3	0.5	21.7	33.8
Singapore	1815	9.2	1.5	0.6	3.6	85.1	0.0	85.1	0.0	0.0	0.0	83.7	86.6
Slovak Republic	1778	23.0	2.1	0.9	22.8	50.4	0.8	50.4	0.0	0.4	0.3	47.9	52.8
Slovenia	1452	32.5	2.2	0.9	23.4	40.2	0.8	40.2	0.3	0.1	0.4	34.6	46.1
South Africa	2598	9.3	3.9	3.3	69.7	10.0	3.8	10.0	0.8	1.4	1.6	7.8	12.3
Spain	1873	28.2	11.5	1.4	29.7	28.1	1.1	28.1	0.0	0.2	0.8	21.8	34.1
Sweden	1386	24.1	8.3	1.1	23.6	42.1	0.8	42.1	0.2	0.1	0.4	35.4	48.0
Switzerland	2055	11.6	1.5	0.4	13.2	71.9	1.4	71.9	0.3	0.3	0.9	68.7	75.2
Thailand	2907	24.2	1.0	0.9	18.1	55.3	0.6	55.3	0.0	0.1	0.5	56.3	54.0
United States	1936	22.1	4.1	1.5	28.3	43.3	0.6	43.3	0.0	0.0	0.6	38.9	47.7
INTERNATIONAL AVG	.	24.6	3.9	1.5	24.6	44.2	1.3	44.2	0.1	0.4	0.8	40.2	48.1

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: B11 KEY: C
 Identify cube made by folding 2-dimensional net. (Geometry)
 Difficulty: 496

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	2783	10.9	18.3	64.7	4.1	1.9	64.7	0.0	0.3	1.6	65.6	63.9
Austria	1487	8.6	21.1	64.1	4.3	1.9	64.1	0.0	0.2	1.7	63.8	64.4
Belgium (Fl)	1372	5.0	11.9	77.2	4.4	1.5	77.2	0.1	0.1	1.3	77.0	77.4
Belgium (Fr)	1133	7.1	12.5	73.6	4.2	2.6	73.6	0.2	0.4	2.0	73.0	74.6
Bulgaria	968	11.5	18.7	63.4	4.5	1.9	63.4	0.2	0.0	1.6	64.2	62.4
Canada	4110	10.8	20.1	64.5	3.3	1.2	64.5	0.3	0.0	0.9	66.1	63.3
Colombia	1321	37.3	18.0	27.2	10.4	7.1	27.2	0.6	3.6	2.9	26.2	28.1
Cyprus	1418	25.2	29.4	37.2	5.2	3.1	37.2	0.8	0.0	2.2	36.5	37.9
Czech Republic	1664	10.0	13.1	72.3	2.7	2.0	72.3	0.6	0.3	1.0	71.3	73.4
Denmark	967	9.9	18.7	58.3	4.3	8.7	58.3	0.2	0.8	7.7	61.1	55.6
England	887	11.7	19.7	63.4	3.2	2.0	63.4	0.0	0.0	2.0	60.1	66.0
France	1513	8.4	16.0	69.3	4.0	2.3	69.3	0.4	0.0	1.9	67.6	71.6
Germany	1448	11.1	19.0	63.1	3.4	3.4	63.1	0.3	0.4	2.8	60.8	65.6
Greece	1952	22.5	29.7	39.6	4.0	4.1	39.6	0.6	0.3	3.2	39.7	39.5
Hong Kong	1705	4.2	7.8	82.4	3.9	1.8	82.4	0.0	0.1	1.6	79.3	84.8
Hungary	1539	10.5	21.9	59.3	4.5	3.8	59.3	0.0	0.9	2.9	57.7	60.8
Iceland	970	10.3	17.3	67.7	3.0	1.6	67.7	0.6	0.2	0.9	68.8	66.6
Iran, Islamic Rep.	1868	32.0	29.5	24.9	11.8	1.7	24.9	0.2	0.3	1.2	24.8	25.2
Ireland	1585	13.7	33.0	47.1	4.8	1.4	47.1	0.6	0.1	0.8	45.6	49.0
Israel	.	.	.	.	.	.	.	.	.	.	.	.
Japan	2558	3.5	7.6	86.6	1.8	0.5	86.6	0.0	0.0	0.5	85.3	87.9
Korea	1440	5.5	12.4	79.9	2.1	0.1	79.9	0.0	0.1	0.0	75.0	83.4
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	1275	8.5	20.5	63.5	4.6	3.0	63.5	0.0	0.4	2.6	62.2	64.7
Lithuania	1256	12.7	25.7	52.4	3.9	5.3	52.4	0.2	1.4	3.7	52.1	52.8
Netherlands	1046	4.3	12.8	77.2	4.9	0.9	77.2	0.0	0.2	0.7	79.3	75.1
New Zealand	1588	11.3	15.7	66.6	4.8	1.6	66.6	0.7	0.2	0.7	65.5	67.5
Norway	1236	14.3	24.7	53.5	4.8	2.6	53.5	0.0	0.5	2.1	51.6	55.1
Philippines	2921	33.7	30.7	26.0	8.8	0.8	26.0	0.0	0.1	0.7	22.5	29.9
Portugal	1676	19.6	23.2	45.6	7.6	4.0	45.6	0.0	0.4	3.6	43.7	47.6
Romania	1874	22.2	22.8	36.0	9.2	9.8	36.0	3.8	0.4	5.5	35.6	36.3
Russian Federation	2047	15.7	21.3	56.2	2.9	3.9	56.2	0.5	0.7	2.7	54.9	57.6
Scotland	1460	12.2	22.7	56.7	5.7	2.6	56.7	1.3	0.3	1.0	54.1	59.5
Singapore	1815	6.4	10.5	79.1	3.4	0.6	79.1	0.0	0.0	0.6	75.3	82.9
Slovak Republic	1780	12.0	19.1	64.4	2.1	2.5	64.4	0.6	0.4	1.4	62.7	65.9
Slovenia	1452	15.3	22.7	57.6	2.1	2.4	57.6	0.9	0.1	1.4	56.0	59.2
South Africa	2598	27.5	20.7	15.2	25.4	11.2	15.2	0.6	1.4	9.2	12.2	18.6
Spain	1873	15.0	26.8	51.5	4.1	2.6	51.5	0.0	0.2	2.3	49.7	53.2
Sweden	1386	9.9	23.4	60.2	5.1	1.4	60.2	0.1	0.1	1.2	62.9	57.4
Switzerland	2055	6.3	15.7	71.8	4.1	2.1	71.8	0.2	0.3	1.7	69.7	73.9
Thailand	2907	12.8	23.4	56.2	6.8	0.8	56.2	0.0	0.1	0.7	54.8	58.1
United States	1936	11.3	26.6	55.4	5.8	1.0	55.4	0.2	0.0	0.8	52.7	58.0
INTERNATIONAL AVG	.	13.5	20.1	58.3	5.3	2.8	58.3	0.4	0.4	2.1	57.2	59.4

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: B12 KEY: A
 Identify algebraic equation to solve word problem: $7n+6=41$. (Algebra)
 Difficulty: 492

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	2783	59.1	4.4	20.1	14.6	1.7	59.1	0.0	0.3	1.4	62.0	56.0
Austria	1487	67.6	6.3	11.6	11.9	2.6	67.6	0.0	0.2	2.5	72.7	61.8
Belgium (Fl)	1372	79.6	1.8	5.8	11.7	1.1	79.6	0.1	0.1	0.9	81.7	77.5
Belgium (Fr)	1133	56.4	3.4	12.5	20.7	7.0	56.4	0.5	0.4	6.1	55.1	57.4
Bulgaria	968	75.3	3.5	10.6	8.2	2.5	75.3	0.2	0.2	2.1	79.7	69.9
Canada	4110	53.3	5.3	21.6	18.4	1.4	53.3	0.1	0.0	1.3	56.1	50.4
Colombia	1321	31.3	6.2	29.3	23.0	10.2	31.3	0.7	3.7	5.9	31.6	31.2
Cyprus	1417	58.5	6.3	15.9	16.7	2.7	58.5	0.6	0.1	1.9	62.4	54.7
Czech Republic	1664	73.0	2.6	6.4	15.4	2.6	73.0	0.4	0.3	1.8	72.8	73.2
Denmark	967	46.3	5.7	17.0	15.7	15.4	46.3	0.0	0.9	14.4	45.6	47.5
England	887	53.8	4.6	21.4	18.8	1.3	53.8	0.0	0.0	1.3	57.2	51.1
France	1513	61.4	3.7	14.7	16.0	4.3	61.4	0.1	0.0	4.2	63.8	59.5
Germany	1448	52.4	4.8	14.5	17.4	11.0	52.4	0.5	0.6	10.0	54.1	50.6
Greece	1952	57.3	4.2	16.8	17.9	3.7	57.3	0.4	0.5	2.8	63.9	51.5
Hong Kong	1705	87.8	2.2	3.8	6.1	0.2	87.8	0.0	0.1	0.0	85.8	89.4
Hungary	1539	71.7	3.1	7.9	12.7	4.5	71.7	0.0	1.1	3.5	75.3	68.2
Iceland	970	36.2	7.9	36.7	16.3	3.0	36.2	0.0	0.2	2.8	37.5	34.9
Iran, Islamic Rep.	1868	36.2	10.4	29.4	22.2	1.8	36.2	0.0	0.3	1.5	37.8	35.0
Ireland	1585	59.6	2.4	12.7	24.1	1.3	59.6	0.1	0.1	1.1	57.0	62.8
Israel	.	.	.	.	.	.	.	.	.	.	.	.
Japan	2558	83.1	2.1	7.9	6.7	0.2	83.1	0.0	0.0	0.2	84.7	81.6
Korea	1440	79.4	0.9	7.9	11.7	0.1	79.4	0.0	0.1	0.0	79.6	79.3
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	1275	55.7	2.9	16.9	19.3	5.2	55.7	0.0	0.5	4.7	57.9	53.5
Lithuania	1256	52.7	4.5	10.4	21.9	10.6	52.7	0.1	1.6	8.8	58.6	46.6
Netherlands	1046	44.6	6.2	27.1	18.9	3.2	44.6	0.1	0.2	2.9	46.0	43.0
New Zealand	1588	44.8	6.0	25.1	22.8	1.3	44.8	0.1	0.2	0.9	46.7	43.1
Norway	1236	46.3	5.7	28.2	15.2	4.6	46.3	0.0	0.6	4.0	46.0	46.6
Philippines	2921	21.0	4.9	47.3	26.4	0.4	21.0	0.1	0.1	0.2	21.7	20.2
Portugal	1676	36.8	6.6	24.7	25.9	5.9	36.8	0.0	0.7	5.2	38.2	35.3
Romania	1876	60.1	5.3	11.9	15.8	6.8	60.1	1.7	0.8	4.4	62.1	57.8
Russian Federation	2047	80.6	1.1	5.5	10.1	2.8	80.6	0.3	0.9	1.6	82.4	78.7
Scotland	1460	45.9	5.3	24.8	21.7	2.4	45.9	0.2	0.3	1.8	45.1	46.5
Singapore	1815	86.9	1.8	3.4	7.4	0.5	86.9	0.0	0.0	0.5	88.1	85.8
Slovak Republic	1780	71.5	3.2	7.5	14.3	3.5	71.5	0.5	0.4	2.5	73.6	69.5
Slovenia	1452	67.1	2.3	12.6	15.9	2.2	67.1	0.3	0.1	1.8	70.0	64.1
South Africa	2598	20.2	6.7	41.1	27.2	4.8	20.2	0.6	1.4	2.8	20.5	20.0
Spain	1873	54.8	2.6	10.8	29.1	2.8	54.8	0.0	0.4	2.4	54.7	54.8
Sweden	1386	57.9	9.7	15.4	13.9	3.1	57.9	0.3	0.1	2.7	59.3	56.5
Switzerland	2055	42.4	11.5	20.9	20.0	5.1	42.4	0.1	0.3	4.7	42.6	42.3
Thailand	2907	72.7	4.6	7.8	14.4	0.6	72.7	0.0	0.1	0.5	73.7	71.3
United States	1936	63.6	4.3	15.3	15.9	0.9	63.6	0.0	0.0	0.8	67.3	59.9
INTERNATIONAL AVG	.	57.6	4.7	17.0	17.0	3.6	57.6	0.2	0.4	3.0	59.3	56.0

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: C01 KEY: A
 Compare volumes of different stacks of blocks. (Measurement)
 Difficulty: 522

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	2072	62.5	17.3	11.3	7.0	1.9	62.5	0.0	0.0	1.9	61.1	63.9
Austria	1141	61.5	13.3	14.2	6.5	4.5	61.5	0.0	0.0	4.5	62.1	62.2
Belgium (Fl)	1036	64.3	16.5	10.4	5.6	3.3	64.3	0.0	0.0	3.3	65.1	63.4
Belgium (Fr)	854	63.2	14.2	10.0	6.8	5.9	63.2	0.7	0.1	5.1	57.8	69.1
Bulgaria	637	66.4	6.9	16.8	6.6	3.4	66.4	0.4	0.3	2.7	66.5	65.9
Canada	3073	57.3	21.7	12.2	6.8	1.9	57.3	0.5	0.0	1.4	55.7	59.5
Colombia	996	25.4	19.8	37.7	6.2	10.8	25.4	2.2	0.9	7.7	22.2	28.7
Cyprus	1151	31.7	24.0	30.6	8.5	5.2	31.7	0.4	0.4	4.5	30.2	33.4
Czech Republic	1260	69.2	9.4	12.0	6.0	3.5	69.2	0.8	0.4	2.3	67.9	70.5
Denmark	824	41.6	20.7	19.0	7.3	11.4	41.6	0.4	0.5	10.5	38.2	45.7
England	673	56.3	19.5	18.3	4.3	1.6	56.3	0.0	0.0	1.6	51.5	60.3
France	1131	52.2	18.5	17.3	7.6	4.4	52.2	1.4	0.1	2.8	47.3	57.0
Germany	1073	55.2	12.4	12.9	9.0	10.5	55.2	1.8	0.0	8.8	51.1	59.3
Greece	1468	39.4	21.4	27.9	5.4	5.8	39.4	1.0	0.3	4.5	40.5	38.6
Hong Kong	1285	82.7	8.9	4.4	3.0	1.1	82.7	0.3	0.0	0.8	82.1	83.0
Hungary	1153	61.1	12.1	15.8	4.9	6.0	61.1	0.0	0.1	5.9	59.0	63.0
Iceland	719	58.5	15.6	17.2	4.8	3.9	58.5	1.1	0.0	2.8	57.2	59.8
Iran, Islamic Rep.	1421	24.2	22.6	39.8	8.0	5.4	24.2	0.9	0.0	4.5	19.5	27.8
Ireland	1174	41.7	25.0	24.3	7.1	1.9	41.7	1.1	0.0	0.8	35.1	49.2
Israel	.	.	.	.	.	.	.	.	.	.	.	.
Japan	1916	80.6	7.2	5.7	4.4	2.2	80.6	1.9	0.0	0.3	82.2	79.1
Korea	1096	87.3	5.2	5.0	2.4	0.1	87.3	0.0	0.0	0.1	84.4	89.5
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	971	51.6	15.2	17.9	10.8	4.6	51.6	0.0	0.1	4.5	45.7	57.8
Lithuania	941	46.5	16.2	14.2	6.7	16.4	46.5	2.4	0.2	13.9	46.1	46.9
Netherlands	769	71.6	16.2	7.4	4.4	0.4	71.6	0.1	0.0	0.3	74.5	68.8
New Zealand	1192	50.4	26.3	16.4	6.0	0.8	50.4	0.4	0.0	0.4	47.1	53.4
Norway	930	47.5	21.5	16.5	10.2	4.3	47.5	0.0	0.4	4.0	46.8	48.2
Philippines	2201	33.1	25.3	35.3	5.3	0.9	33.1	0.0	0.0	0.9	31.6	34.8
Portugal	1266	38.6	23.8	21.6	8.9	7.1	38.6	0.0	0.1	6.9	36.0	41.4
Romania	1402	35.8	15.3	29.9	7.5	11.4	35.8	5.1	0.3	6.0	34.9	36.9
Russian Federation	1549	50.8	16.1	22.5	6.3	4.2	50.8	0.2	0.1	3.9	47.1	54.9
Scotland	1081	67.2	15.6	9.7	4.2	3.3	67.2	1.9	0.1	1.3	65.7	68.7
Singapore	1380	88.0	6.0	3.0	2.4	0.6	88.0	0.0	0.0	0.6	86.3	89.8
Slovak Republic	1363	59.4	12.4	16.0	7.7	4.4	59.4	1.5	0.0	3.0	56.9	62.2
Slovenia	1102	54.8	14.1	18.4	7.5	5.2	54.8	1.3	0.0	3.9	52.0	58.0
South Africa	2040	21.9	24.1	41.1	6.5	6.5	21.9	1.1	0.4	5.0	17.5	27.1
Spain	1408	44.4	20.5	20.8	8.9	5.5	44.4	0.0	0.1	5.4	41.7	47.2
Sweden	1040	39.8	30.1	21.1	6.7	2.4	39.8	1.0	0.2	1.2	35.4	44.2
Switzerland	1542	58.8	15.8	13.9	5.8	5.7	58.8	0.7	0.1	4.9	56.2	61.3
Thailand	2243	73.3	16.0	8.6	1.8	0.3	73.3	0.0	0.0	0.3	72.9	73.8
United States	1425	43.7	28.0	20.9	6.5	1.0	43.7	0.2	0.0	0.8	38.7	48.6
INTERNATIONAL AVG	.	54.0	17.3	17.9	6.3	4.5	54.0	0.8	0.1	3.6	51.7	56.3

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: C02 KEY: D
 Interpret pie graph to determine distribution. (Data Rep., Analysis & Prob.)
 Difficulty: 428

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2072	1.8	10.4	8.1	77.3	2.4	77.3	0.0	0.0	2.4	78.2	76.3
Austria	1141	1.5	8.0	4.0	84.5	2.1	84.5	0.0	0.0	2.1	84.7	84.0
Belgium (Fl)	1036	1.0	6.5	4.6	87.2	0.8	87.2	0.0	0.0	0.8	88.8	85.5
Belgium (Fr)	854	2.3	10.0	4.2	80.2	3.3	80.2	0.5	0.2	2.6	80.6	79.3
Bulgaria	637	2.7	13.0	5.8	75.2	3.3	75.2	1.1	0.5	1.7	76.7	73.8
Canada	3073	1.6	11.9	7.5	75.9	3.1	75.9	2.2	0.0	1.0	75.8	75.9
Colombia	996	2.7	45.6	2.8	41.5	7.4	41.5	1.0	1.1	5.3	40.1	43.1
Cyprus	1151	2.6	24.1	9.2	56.5	7.6	56.5	3.2	0.4	4.0	58.4	54.7
Czech Republic	1260	1.7	11.5	6.7	76.6	3.5	76.6	1.6	0.5	1.4	74.5	78.8
Denmark	824	5.2	11.9	5.3	69.5	8.2	69.5	3.2	0.5	4.4	67.6	72.2
England	673	1.2	12.9	9.4	73.6	3.0	73.6	0.0	0.0	3.0	75.1	72.3
France	1131	1.4	17.6	15.9	59.2	5.9	59.2	3.1	0.1	2.7	56.2	62.1
Germany	1073	1.4	11.7	4.6	77.5	4.8	77.5	1.7	0.3	2.9	77.6	77.4
Greece	1468	2.5	26.9	7.0	61.0	2.7	61.0	0.4	0.3	2.0	61.7	60.7
Hong Kong	1285	5.0	7.8	5.8	80.6	0.8	80.6	0.2	0.0	0.7	81.7	79.6
Hungary	1153	0.7	6.7	5.2	81.3	6.1	81.3	0.0	0.1	6.0	79.7	82.9
Iceland	720	4.9	11.8	6.6	75.3	1.4	75.3	0.6	0.0	0.8	75.2	75.3
Iran, Islamic Rep.	1421	6.6	19.3	6.7	60.4	7.0	60.4	6.0	0.3	0.8	55.5	64.3
Ireland	1174	0.7	9.6	8.5	77.7	3.5	77.7	3.4	0.0	0.2	75.7	79.9
Israel	.	.	.	.	.	.	.	.	.	.	.	.
Japan	1916	1.4	4.9	2.4	89.9	1.5	89.9	1.4	0.0	0.0	90.0	89.7
Korea	1096	1.1	8.0	1.9	89.0	0.0	89.0	0.0	0.0	0.0	89.7	88.6
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	971	1.3	12.9	6.0	76.0	3.9	76.0	0.0	0.3	3.5	75.2	76.9
Lithuania	941	2.8	20.6	4.4	59.1	13.2	59.1	3.1	0.2	9.9	62.1	56.3
Netherlands	769	1.8	9.7	5.2	83.0	0.3	83.0	0.1	0.0	0.2	81.9	84.0
New Zealand	1192	2.2	13.3	9.1	73.5	1.8	73.5	1.2	0.0	0.6	73.5	73.5
Norway	930	7.8	10.1	6.4	68.6	7.0	68.6	0.0	0.4	6.7	71.4	65.7
Philippines	2201	8.1	28.8	13.4	48.9	0.8	48.9	0.0	0.1	0.7	49.0	48.8
Portugal	1266	1.7	18.2	11.0	63.0	6.1	63.0	0.0	0.1	6.0	62.5	63.5
Romania	1403	3.5	23.2	4.6	62.3	6.3	62.3	4.1	0.5	1.7	61.8	63.1
Russian Federation	1549	1.2	15.7	4.3	75.6	3.2	75.6	0.4	0.3	2.5	76.8	74.3
Scotland	1081	2.0	12.1	8.1	70.8	6.9	70.8	5.3	0.1	1.5	72.8	68.8
Singapore	1380	2.1	7.9	6.0	83.4	0.6	83.4	0.0	0.0	0.6	82.9	84.0
Slovak Republic	1364	2.3	10.1	4.7	81.2	1.7	81.2	0.5	0.1	1.1	82.7	79.6
Slovenia	1102	1.0	12.9	4.2	78.1	3.8	78.1	2.6	0.0	1.2	79.1	76.9
South Africa	2040	18.4	31.3	12.9	31.7	5.6	31.7	2.0	0.6	3.0	31.8	31.4
Spain	1408	1.8	22.1	5.8	67.1	3.1	67.1	0.0	0.1	3.0	65.7	68.6
Sweden	1041	1.7	10.2	7.5	78.6	2.0	78.6	1.1	0.2	0.7	78.7	78.6
Switzerland	1542	2.0	10.5	3.8	81.1	2.6	81.1	0.8	0.1	1.7	81.3	80.8
Thailand	2243	1.7	5.4	4.9	87.5	0.5	87.5	0.0	0.0	0.5	88.0	86.8
United States	1425	2.0	16.1	10.4	70.6	0.9	70.6	0.2	0.0	0.7	68.8	72.4
INTERNATIONAL AVG	.	2.9	14.5	6.6	72.2	3.7	72.2	1.3	0.2	2.3	72.2	72.3

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: C03 KEY: A
 Identify properties of congruent trapezoids. (Geometry)
 Difficulty: 508

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2072	58.4	6.6	12.7	7.7	9.0	5.5	58.4	0.0	0.0	5.5	61.8	54.9
Austria	1141	54.0	8.1	12.8	6.2	11.5	7.3	54.0	0.0	0.0	7.3	53.5	54.3
Belgium (Fl)	1036	66.4	5.0	9.9	4.1	9.2	5.3	66.4	0.1	0.0	5.2	69.2	63.7
Belgium (Fr)	854	56.5	4.8	8.2	9.7	7.6	13.3	56.5	0.3	0.2	12.9	57.3	55.2
Bulgaria	637	71.0	4.4	10.6	2.8	2.4	8.7	71.0	1.1	0.5	7.2	71.3	70.5
Canada	3073	64.3	6.6	11.6	7.7	7.1	2.6	64.3	1.1	0.0	1.6	69.9	59.2
Colombia	996	32.0	7.4	20.1	11.6	14.5	14.4	32.0	1.3	1.3	11.9	31.4	32.6
Cyprus	1151	51.9	6.9	16.8	8.2	8.9	7.2	51.9	1.1	0.5	5.6	56.9	47.3
Czech Republic	1261	71.7	5.3	8.9	2.1	6.3	5.8	71.7	0.3	0.5	5.1	73.4	69.9
Denmark	824	40.9	7.4	10.5	8.7	9.5	23.0	40.9	0.4	0.7	21.9	40.6	41.8
England	673	49.9	7.6	12.9	10.9	11.3	7.3	49.9	0.0	0.0	7.3	49.7	50.2
France	1131	72.2	4.1	6.7	5.7	5.2	6.1	72.2	0.8	0.1	5.2	74.2	70.6
Germany	1073	47.7	6.1	9.5	6.5	7.3	22.9	47.7	0.9	0.3	21.7	48.9	46.9
Greece	1468	54.3	6.1	14.7	9.2	8.0	7.7	54.3	0.3	0.3	7.1	59.3	49.6
Hong Kong	1284	71.3	3.6	13.0	6.0	5.2	0.8	71.3	0.2	0.1	0.6	70.5	71.9
Hungary	1153	66.0	5.6	6.1	4.4	8.9	8.9	66.0	0.0	0.1	8.8	68.2	63.9
Iceland	720	50.7	7.9	9.4	12.5	14.3	5.2	50.7	0.9	0.0	4.3	56.2	45.5
Iran, Islamic Rep.	1420	35.6	11.0	19.0	11.0	15.6	7.8	35.6	3.2	0.3	4.2	32.0	38.4
Ireland	1174	54.0	8.5	15.1	6.8	10.1	5.6	54.0	1.7	0.0	3.9	55.7	52.0
Israel	.	.	.	.	.	.	.	.	.	.	.	.	.
Japan	1916	77.2	2.9	10.9	4.2	4.0	0.8	77.2	0.5	0.0	0.3	79.9	74.7
Korea	1096	79.6	4.4	5.3	4.7	5.9	0.2	79.6	0.0	0.0	0.2	79.6	79.5
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	970	51.8	6.6	7.9	6.7	9.1	18.0	51.8	0.0	0.3	17.6	54.8	48.6
Lithuania	942	37.0	4.3	9.2	5.6	5.5	38.4	37.0	0.4	0.8	37.2	41.8	32.5
Netherlands	769	57.8	8.6	14.9	6.3	10.4	2.0	57.8	0.0	0.0	2.0	59.1	56.6
New Zealand	1190	52.4	9.2	14.6	11.6	10.0	2.2	52.4	0.7	0.0	1.5	58.0	47.3
Norway	930	44.4	8.3	12.6	11.7	10.8	12.2	44.4	0.0	0.4	11.8	50.5	38.0
Philippines	2201	26.2	8.8	15.1	29.9	19.2	0.8	26.2	0.0	0.1	0.7	26.8	25.6
Portugal	1266	41.2	10.6	14.5	11.0	11.9	10.9	41.2	0.0	0.1	10.7	42.4	39.8
Romania	1404	63.2	5.9	9.2	5.7	7.5	8.4	63.2	1.3	0.5	6.6	63.7	62.8
Russian Federation	1549	58.8	2.3	7.8	6.4	7.6	17.1	58.8	0.4	0.3	16.3	61.3	56.0
Scotland	1081	47.5	10.2	13.2	9.9	10.5	8.7	47.5	3.1	0.1	5.5	47.2	47.7
Singapore	1380	77.0	3.9	8.0	5.0	5.1	1.0	77.0	0.0	0.0	1.0	79.8	74.1
Slovak Republic	1366	62.8	6.5	11.2	4.7	9.3	5.5	62.8	0.7	0.1	4.7	64.1	61.5
Slovenia	1102	68.2	4.0	9.6	5.1	6.2	6.9	68.2	0.5	0.0	6.4	72.1	63.6
South Africa	2040	23.6	14.3	17.1	17.5	21.1	6.4	23.6	1.4	0.6	4.4	24.1	23.5
Spain	1408	56.6	7.6	12.3	8.2	9.4	5.9	56.6	0.0	0.1	5.8	60.1	52.9
Sweden	1038	47.7	10.4	18.9	8.0	11.8	3.2	47.7	0.3	0.2	2.7	52.4	43.3
Switzerland	1542	40.4	9.4	15.6	11.0	11.6	12.0	40.4	0.4	0.1	11.4	41.2	39.4
Thailand	2243	69.1	4.1	11.5	8.1	6.1	1.1	69.1	0.0	0.0	1.1	69.6	68.2
United States	1425	58.3	7.9	15.5	10.3	6.3	1.7	58.3	0.1	0.0	1.6	59.0	57.6
INTERNATIONAL AVG	.	55.2	6.8	12.1	8.3	9.3	8.2	55.2	0.6	0.2	7.4	57.2	53.3

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: C04 KEY: B
 Select correct pair of numbers: # 1 < 2.25 < # 2. (Fractions and number sense)
 Difficulty: 537

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	2072	6.4	49.2	21.9	18.5	3.9	49.2	0.0	0.0	3.9	49.4	49.0
Austria	1141	4.3	55.2	19.4	15.6	5.5	55.2	0.0	0.0	5.5	55.3	55.0
Belgium (Fl)	1036	3.7	64.1	19.3	10.7	2.2	64.1	0.0	0.0	2.2	65.0	63.1
Belgium (Fr)	854	3.4	70.8	11.0	9.1	5.7	70.8	0.9	0.2	4.7	70.9	69.8
Bulgaria	637	4.4	61.1	13.1	13.3	8.1	61.1	0.3	0.5	7.3	56.2	66.9
Canada	3073	6.6	50.6	24.8	15.3	2.6	50.6	0.7	0.0	2.0	49.7	52.0
Colombia	996	9.7	32.0	21.5	20.4	16.5	32.0	2.1	1.6	12.7	31.9	31.6
Cyprus	1151	7.4	48.4	20.4	13.8	10.0	48.4	1.9	0.8	7.3	46.0	50.7
Czech Republic	1261	5.1	58.7	13.5	16.7	6.0	58.7	0.7	0.6	4.7	55.7	61.8
Denmark	824	9.0	43.0	13.8	11.1	23.1	43.0	8.6	0.8	13.6	42.9	43.8
England	673	6.1	44.1	23.4	20.2	6.2	44.1	0.0	0.0	6.2	41.1	46.6
France	1131	6.6	52.4	19.6	12.2	9.2	52.4	1.4	0.2	7.5	51.1	54.1
Germany	1073	4.8	47.5	16.1	14.9	16.7	47.5	1.3	0.7	14.8	48.5	46.3
Greece	1468	7.7	44.7	20.6	14.6	12.4	44.7	1.7	0.4	10.3	46.0	43.6
Hong Kong	1284	8.8	55.5	21.4	13.3	1.0	55.5	0.2	0.1	0.8	55.0	56.0
Hungary	1153	6.3	46.9	18.0	18.0	10.8	46.9	0.0	0.3	10.5	44.6	49.0
Iceland	720	8.9	46.6	20.1	18.5	5.9	46.6	2.2	0.2	3.5	45.7	47.4
Iran, Islamic Rep.	1420	13.1	32.9	26.2	22.9	4.8	32.9	0.9	0.3	3.7	33.7	32.4
Ireland	1174	5.7	51.4	22.8	15.9	4.2	51.4	1.6	0.0	2.5	50.7	52.3
Israel	.	.	.	.	.	.	.	.	.	.	.	.
Japan	1916	7.5	51.7	26.7	12.0	2.1	51.7	0.4	0.0	1.7	50.2	53.2
Korea	1096	4.6	68.8	13.3	13.2	0.2	68.8	0.0	0.0	0.2	64.8	71.7
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	971	5.8	41.1	20.6	19.9	12.5	41.1	0.0	0.7	11.8	39.0	43.3
Lithuania	941	9.1	38.3	10.9	16.5	25.3	38.3	8.8	0.9	15.6	36.6	39.9
Netherlands	769	5.5	50.7	24.3	17.5	2.0	50.7	0.1	0.0	1.9	51.3	50.2
New Zealand	1190	7.8	47.7	24.2	18.9	1.4	47.7	0.5	0.1	0.9	46.8	48.4
Norway	930	10.4	41.8	20.8	15.5	11.5	41.8	0.0	0.6	11.0	46.5	36.9
Philippines	2201	11.8	57.5	17.4	11.9	1.4	57.5	0.0	0.1	1.2	58.0	56.9
Portugal	1266	3.5	72.8	12.5	5.7	5.5	72.8	0.0	0.1	5.4	73.1	72.5
Romania	1406	10.6	43.6	16.3	15.8	13.7	43.6	3.3	0.7	9.7	43.2	44.2
Russian Federation	1549	5.7	50.2	16.6	17.2	10.3	50.2	0.2	0.5	9.6	45.9	54.8
Scotland	1081	7.1	46.2	23.9	15.6	7.2	46.2	2.9	0.1	4.2	45.0	47.5
Singapore	1380	3.8	65.2	18.2	11.3	1.5	65.2	0.0	0.0	1.5	64.4	65.9
Slovak Republic	1366	5.8	55.9	19.4	13.4	5.6	55.9	1.3	0.2	4.1	53.6	58.3
Slovenia	1102	5.0	48.3	20.6	18.7	7.4	48.3	1.2	0.0	6.2	48.3	48.3
South Africa	2040	16.4	44.6	22.4	11.8	4.8	44.6	0.8	0.9	3.1	42.6	47.2
Spain	1408	8.7	47.1	20.9	14.4	8.9	47.1	0.0	0.1	8.8	45.6	48.7
Sweden	1038	7.4	51.3	21.9	16.4	3.1	51.3	0.2	0.2	2.8	51.4	51.3
Switzerland	1542	5.6	49.3	22.8	13.3	9.0	49.3	1.0	0.1	7.9	49.9	48.4
Thailand	2243	7.9	69.3	11.6	10.6	0.6	69.3	0.0	0.0	0.6	69.3	69.3
United States	1425	7.9	51.3	22.2	16.9	1.7	51.3	0.0	0.1	1.7	50.6	52.0
INTERNATIONAL AVG	.	7.1	51.2	19.4	15.0	7.3	51.2	1.1	0.3	5.8	50.4	52.0

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: C05 KEY: B
 Determine number which continues pattern based on figures. (Algebra)
 Difficulty: 544

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2072	15.8	57.2	11.2	4.5	11.0	0.3	57.2	0.0	0.0	0.3	58.8	55.5
Austria	1141	15.8	49.6	12.9	4.1	15.0	2.6	49.6	0.0	0.0	2.6	52.0	47.0
Belgium (Fl)	1036	13.0	64.9	8.1	2.5	10.4	1.1	64.9	0.0	0.0	1.1	64.9	65.0
Belgium (Fr)	854	16.0	53.6	9.5	4.0	14.4	2.5	53.6	0.1	0.2	2.2	54.0	53.1
Bulgaria	637	17.1	56.3	7.5	3.8	12.8	2.6	56.3	0.0	0.5	2.1	54.3	58.5
Canada	3073	16.8	56.6	8.8	4.4	12.6	0.8	56.6	0.0	0.0	0.8	59.6	54.2
Colombia	996	22.6	35.9	7.8	5.5	18.8	9.3	35.9	0.3	1.7	7.4	31.6	40.3
Cyprus	1151	20.6	38.6	13.8	6.9	16.4	3.7	38.6	0.5	0.8	2.4	38.7	38.3
Czech Republic	1256	11.4	55.9	9.9	4.0	16.2	2.6	55.9	0.0	0.7	1.8	54.5	57.3
Denmark	824	13.7	51.4	9.8	6.6	14.6	3.8	51.4	0.2	0.9	2.7	52.1	51.4
England	673	15.4	52.5	12.0	5.8	13.4	0.8	52.5	0.0	0.0	0.8	51.0	53.8
France	1131	16.2	47.4	13.1	5.4	15.7	2.1	47.4	0.2	0.2	1.7	46.8	47.6
Germany	1073	13.2	46.8	10.3	5.9	16.3	7.5	46.8	0.5	0.7	6.4	45.0	48.2
Greece	1468	18.5	34.9	11.9	6.0	25.1	3.7	34.9	0.0	0.5	3.2	37.7	32.2
Hong Kong	1284	14.6	66.6	8.7	3.0	6.5	0.5	66.6	0.2	0.1	0.3	66.9	66.5
Hungary	1153	20.2	52.3	8.3	2.5	13.6	3.1	52.3	0.0	0.3	2.8	50.8	53.7
Iceland	720	15.5	43.9	10.7	8.3	19.8	1.9	43.9	0.2	0.2	1.5	48.0	39.9
Iran, Islamic Rep.	1420	25.4	26.9	14.7	7.2	23.0	2.8	26.9	0.3	0.4	2.1	24.9	28.3
Ireland	1174	16.3	53.6	11.2	3.0	14.9	1.0	53.6	0.1	0.0	0.9	54.3	52.7
Israel	.	.	.	.	.	.	.	.	.	.	.	.	.
Japan	1916	12.6	65.1	11.0	2.6	8.5	0.2	65.1	0.1	0.0	0.1	65.4	64.9
Korea	1096	13.8	68.6	9.2	2.5	5.8	0.1	68.6	0.0	0.0	0.1	68.2	68.9
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	970	14.0	37.2	10.9	7.2	25.2	5.5	37.2	0.0	0.9	4.5	37.5	36.9
Lithuania	942	14.6	47.8	7.1	4.1	18.9	7.5	47.8	0.2	1.3	6.1	54.1	41.9
Netherlands	769	16.8	49.7	13.9	4.3	14.6	0.6	49.7	0.2	0.0	0.4	50.6	48.8
New Zealand	1191	14.7	55.8	9.8	5.3	13.4	1.1	55.8	0.1	0.1	0.8	56.8	54.8
Norway	930	17.3	45.5	12.0	7.6	14.6	3.0	45.5	0.0	0.6	2.4	50.6	40.2
Philippines	2202	37.6	26.2	14.2	4.5	17.0	0.5	26.2	0.0	0.1	0.4	26.1	26.2
Portugal	1266	20.9	39.9	11.3	7.8	17.2	2.9	39.9	0.0	0.1	2.8	38.5	41.4
Romania	1407	16.2	48.0	7.2	3.1	20.9	4.6	48.0	0.5	0.8	3.3	47.3	48.5
Russian Federation	1549	18.2	47.3	9.5	2.9	18.0	4.2	47.3	0.0	0.6	3.6	50.6	43.7
Scotland	1081	16.2	47.2	14.7	5.6	15.0	1.2	47.2	0.0	0.1	1.1	48.3	46.4
Singapore	1380	11.3	69.8	8.6	1.9	8.3	0.0	69.8	0.0	0.0	0.0	70.4	69.2
Slovak Republic	1366	15.0	55.3	8.9	3.0	15.7	2.1	55.3	0.4	0.2	1.5	57.0	53.4
Slovenia	1102	17.2	49.2	11.2	3.3	17.5	1.6	49.2	0.0	0.0	1.6	49.3	49.0
South Africa	2040	37.5	20.8	12.6	5.8	19.8	3.6	20.8	0.3	1.0	2.3	19.3	22.1
Spain	1408	15.8	46.7	9.4	5.0	21.8	1.3	46.7	0.0	0.3	1.0	45.5	47.9
Sweden	1041	16.5	52.0	11.9	6.1	12.9	0.7	52.0	0.0	0.2	0.5	53.6	50.7
Switzerland	1542	12.7	59.4	11.0	3.3	12.1	1.5	59.4	0.1	0.1	1.2	56.9	61.8
Thailand	2243	21.0	52.2	8.5	2.9	15.1	0.3	52.2	0.0	0.0	0.3	52.0	52.3
United States	1425	21.2	46.8	10.0	4.0	17.2	0.7	46.8	0.0	0.1	0.7	47.2	46.4
INTERNATIONAL AVG	.	17.5	49.4	10.6	4.7	15.5	2.4	49.4	0.1	0.3	1.9	49.8	49.0

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: C06 KEY: A
 Determine the worst estimate of: $848 + 677$. (Fractions and number sense)
 Difficulty: 457

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2072	80.0	8.0	5.5	5.4	1.2	80.0	0.0	0.0	1.2	80.8	79.1
Austria	1141	74.8	9.6	6.1	6.4	3.1	74.8	0.0	0.0	3.1	75.5	73.8
Belgium (Fl)	1036	77.1	11.4	4.7	6.4	0.3	77.1	0.0	0.1	0.2	77.2	77.0
Belgium (Fr)	854	67.0	12.3	7.1	10.3	3.2	67.0	0.3	0.2	2.7	67.1	66.1
Bulgaria	637	63.1	10.1	13.4	7.5	6.0	63.1	1.2	0.5	4.4	63.0	62.9
Canada	3073	83.3	4.7	5.0	6.0	1.0	83.3	0.1	0.0	0.8	82.8	83.8
Colombia	996	48.2	13.2	15.0	9.4	14.3	48.2	1.4	2.0	10.9	47.7	49.0
Cyprus	1151	62.3	14.1	10.2	8.4	5.0	62.3	0.3	0.9	3.7	59.6	65.1
Czech Republic	1256	79.8	7.6	5.4	3.8	3.5	79.8	0.9	0.8	1.7	79.1	80.6
Denmark	824	61.1	10.4	12.1	7.2	9.2	61.1	1.4	0.9	6.9	60.8	62.0
England	673	76.4	9.3	7.1	6.6	0.6	76.4	0.0	0.0	0.6	71.8	80.3
France	1131	63.2	13.5	8.7	9.6	5.1	63.2	1.4	0.2	3.5	63.7	62.9
Germany	1073	70.0	6.7	7.7	8.3	7.3	70.0	0.7	0.7	5.9	73.9	65.9
Greece	1468	57.6	11.9	13.2	10.8	6.3	57.6	0.4	0.5	5.4	58.4	56.8
Hong Kong	1284	59.0	11.0	17.7	11.2	1.0	59.0	0.3	0.1	0.7	57.0	60.9
Hungary	1153	74.6	7.0	7.3	6.4	4.7	74.6	0.0	0.3	4.5	74.6	74.6
Iceland	720	66.5	9.1	13.6	8.3	2.5	66.5	0.2	0.3	2.0	66.5	66.5
Iran, Islamic Rep.	1421	48.5	18.1	17.5	11.7	4.0	48.5	0.2	0.4	3.5	41.7	53.9
Ireland	1174	79.0	7.4	6.7	5.6	1.3	79.0	0.4	0.1	0.8	78.7	79.2
Israel	.	.	.	.	.	.	.	.	.	.	.	.
Japan	1916	68.5	13.2	8.6	9.2	0.6	68.5	0.1	0.0	0.5	67.8	69.1
Korea	1096	77.8	7.8	7.7	6.2	0.4	77.8	0.0	0.0	0.4	75.4	79.5
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	970	47.5	11.1	18.4	14.5	8.5	47.5	0.0	0.9	7.6	50.1	44.8
Lithuania	942	65.1	20.5	3.8	4.3	6.3	65.1	1.1	1.4	3.7	66.4	63.8
Netherlands	769	75.0	8.9	9.7	6.0	0.4	75.0	0.0	0.0	0.4	77.4	72.4
New Zealand	1191	77.2	9.4	5.9	5.9	1.6	77.2	0.4	0.3	0.9	76.3	78.0
Norway	930	61.8	11.2	13.1	8.0	5.9	61.8	0.0	0.6	5.2	65.8	57.7
Philippines	2202	35.0	19.4	16.6	28.1	0.9	35.0	0.0	0.1	0.7	35.6	34.3
Portugal	1266	58.0	11.5	15.1	10.4	5.0	58.0	0.0	0.4	4.6	60.0	55.9
Romania	1399	57.5	11.0	12.4	8.1	11.0	57.5	4.6	0.8	5.6	57.9	57.1
Russian Federation	1549	68.6	10.2	7.9	6.8	6.5	68.6	0.5	0.8	5.2	69.4	67.6
Scotland	1081	73.2	10.6	7.1	7.3	1.7	73.2	0.3	0.1	1.3	73.6	72.7
Singapore	1380	87.0	6.2	3.4	3.3	0.0	87.0	0.0	0.0	0.0	86.6	87.5
Slovak Republic	1366	77.3	8.0	6.5	4.2	4.1	77.3	0.8	0.3	2.9	77.2	77.3
Slovenia	1102	71.0	9.0	10.3	6.7	3.0	71.0	1.5	0.0	1.5	70.0	72.2
South Africa	2040	43.6	14.1	21.3	14.0	7.0	43.6	1.2	1.2	4.5	42.4	45.1
Spain	1408	57.9	12.4	15.2	8.5	6.1	57.9	0.0	0.6	5.5	57.7	58.1
Sweden	1039	63.8	8.5	14.2	11.0	2.6	63.8	0.3	0.3	2.0	62.7	64.8
Switzerland	1542	79.5	7.2	6.0	5.4	1.9	79.5	0.8	0.1	1.0	78.3	80.6
Thailand	2243	70.1	10.5	9.6	9.5	0.3	70.1	0.0	0.0	0.2	73.3	66.1
United States	1425	69.4	8.0	10.6	11.3	0.8	69.4	0.0	0.1	0.7	72.6	66.1
INTERNATIONAL AVG	.	66.9	10.6	10.2	8.4	3.9	66.9	0.5	0.4	2.9	66.9	66.8

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: D07 KEY: C
 Identify relationship of angles in symmetric polygon. (Geometry)
 Difficulty: 505

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2089	10.9	4.3	54.0	8.7	19.6	2.4	54.0	0.0	0.1	2.3	53.7	54.4
Austria	1124	8.9	4.2	53.1	10.5	17.9	5.4	53.1	0.1	0.1	5.1	53.3	52.5
Belgium (Fl)	1039	7.6	2.2	68.3	6.3	12.6	3.0	68.3	0.0	0.1	2.9	68.6	68.2
Belgium (Fr)	847	15.6	2.2	64.6	3.6	9.0	5.1	64.6	0.2	0.4	4.4	64.6	64.3
Bulgaria	795	11.1	1.7	76.4	3.5	3.2	4.1	76.4	0.3	0.0	3.8	77.8	74.3
Canada	3084	12.0	4.7	56.6	10.2	15.4	1.0	56.6	0.1	0.1	0.8	57.1	56.5
Colombia	990	25.0	3.0	19.9	9.5	28.9	13.8	19.9	1.2	3.5	9.1	18.4	21.3
Cyprus	1048	14.8	4.1	57.4	5.2	13.1	5.3	57.4	0.3	0.3	4.8	60.2	55.0
Czech Republic	1266	9.9	2.7	76.8	3.5	5.2	1.9	76.8	0.1	0.6	1.3	73.5	80.1
Denmark	694	7.2	5.2	52.1	8.6	11.8	15.1	52.1	0.3	1.6	13.3	51.9	52.2
England	677	8.5	4.7	47.1	10.7	26.1	2.9	47.1	0.0	0.0	2.9	44.0	50.0
France	1109	10.9	2.0	79.2	2.1	4.4	1.4	79.2	0.3	0.2	0.9	77.8	80.0
Germany	1077	8.0	3.9	53.5	5.8	15.3	13.4	53.5	0.9	0.2	12.3	54.7	52.1
Greece	1458	11.6	5.0	58.4	5.9	14.7	4.4	58.4	0.3	0.1	4.0	61.6	55.7
Hong Kong	1273	9.5	2.6	72.6	5.2	9.5	0.6	72.6	0.0	0.1	0.5	67.6	76.6
Hungary	1152	7.7	3.0	50.4	7.9	19.0	12.1	50.4	0.0	1.4	10.7	48.1	52.7
Iceland	738	9.8	7.5	38.2	15.2	25.5	3.8	38.2	0.2	0.2	3.4	37.1	39.1
Iran, Islamic Rep.	1393	17.0	5.3	39.5	11.4	24.0	2.7	39.5	0.4	0.1	2.2	36.2	42.2
Ireland	1163	10.7	5.9	38.1	14.5	28.2	2.7	38.1	0.2	0.0	2.5	33.3	43.5
Israel	.	.	.	.	.	.	.	.	.	.	.	.	.
Japan	1918	5.5	1.6	71.0	4.5	15.3	2.1	71.0	1.0	0.1	1.1	68.8	73.0
Korea	1098	12.7	3.1	74.2	4.9	4.9	0.2	74.2	0.0	0.0	0.2	71.7	76.0
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	972	8.7	4.6	61.1	6.8	11.9	7.0	61.1	0.0	0.5	6.4	59.3	62.7
Lithuania	956	5.6	3.1	56.7	5.8	12.5	16.3	56.7	0.1	0.9	15.3	54.6	58.7
Netherlands	790	8.3	5.9	57.8	10.9	16.0	1.2	57.8	0.0	0.0	1.2	58.5	56.9
New Zealand	1203	9.8	5.7	48.9	10.6	24.0	1.0	48.9	0.2	0.0	0.8	47.6	49.9
Norway	930	9.2	4.2	52.2	13.4	16.9	4.1	52.2	0.0	0.4	3.7	55.1	48.9
Philippines	2191	27.4	4.4	20.5	9.4	37.5	0.7	20.5	0.0	0.1	0.6	19.0	22.2
Portugal	1251	13.8	5.0	42.5	10.5	22.8	5.4	42.5	0.0	0.7	4.7	38.7	46.7
Romania	1399	12.7	1.6	70.5	2.6	8.2	4.4	70.5	0.7	0.3	3.4	68.6	72.7
Russian Federation	1557	11.8	4.0	66.3	4.1	7.4	6.3	66.3	0.3	1.0	5.0	65.0	67.6
Scotland	1078	7.8	3.2	47.7	11.2	25.9	4.2	47.7	1.4	0.2	2.7	47.2	48.2
Singapore	1341	17.9	4.1	69.9	3.2	4.2	0.7	69.9	0.0	0.1	0.6	70.2	69.6
Slovak Republic	1387	11.5	2.7	75.4	2.8	5.1	2.6	75.4	0.0	0.3	2.3	74.4	76.5
Slovenia	1082	11.1	1.9	67.5	4.6	11.6	3.4	67.5	0.2	0.0	3.3	67.2	67.7
South Africa	2015	24.6	4.6	16.9	9.7	40.5	3.7	16.9	0.8	0.8	2.0	16.6	17.0
Spain	1414	11.4	5.2	46.8	8.8	22.8	5.0	46.8	0.0	0.5	4.5	46.6	46.9
Sweden	1044	8.0	4.3	42.9	16.4	26.3	2.1	42.9	0.0	0.7	1.4	43.2	42.3
Switzerland	1522	6.1	5.5	52.6	10.9	17.5	7.4	52.6	0.8	0.3	6.3	50.1	55.0
Thailand	2194	13.5	3.1	67.2	4.9	10.2	1.0	67.2	0.0	0.0	1.0	66.0	69.2
United States	1435	14.2	5.2	41.1	11.1	27.3	1.1	41.1	0.0	0.0	1.1	40.6	41.7
INTERNATIONAL AVG	.	11.7	3.9	55.1	7.9	16.8	4.5	55.1	0.3	0.4	3.9	54.2	56.0

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: D08 KEY: C
 Solve ratio problem for $x: 7/13 = x/52$. (Proportionality)
 Difficulty: 481

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2089	10.3	12.0	71.3	2.5	3.9	71.3	0.0	0.1	3.8	70.5	72.2
Austria	1124	5.7	12.4	71.8	5.8	4.3	71.8	0.1	0.1	4.0	70.5	73.4
Belgium (Fl)	1039	5.0	9.0	78.2	4.4	3.4	78.2	0.0	0.1	3.4	77.5	79.0
Belgium (Fr)	847	9.3	10.7	58.9	3.5	17.7	58.9	0.0	0.4	17.2	54.4	64.7
Bulgaria	795	6.5	8.1	61.8	10.9	12.7	61.8	0.0	0.0	12.7	60.0	63.8
Canada	3084	10.0	13.8	70.7	3.5	2.2	70.7	0.0	0.1	2.0	66.6	74.5
Colombia	990	25.8	15.8	30.0	12.4	15.9	30.0	0.7	4.1	11.1	28.0	32.1
Cyprus	1048	7.0	10.6	61.8	13.2	7.3	61.8	0.3	0.4	6.6	63.5	60.1
Czech Republic	1266	9.9	13.4	67.8	3.4	5.6	67.8	0.2	0.6	4.8	65.5	70.0
Denmark	694	9.5	12.8	53.1	5.5	19.1	53.1	0.2	1.9	17.0	48.3	58.0
England	677	10.6	11.0	70.9	5.8	1.7	70.9	0.0	0.0	1.7	68.5	73.1
France	1109	9.1	13.5	59.7	4.5	13.1	59.7	0.1	0.3	12.8	59.5	60.4
Germany	1077	5.0	10.1	58.6	5.3	21.1	58.6	0.1	0.2	20.7	57.4	59.9
Greece	1458	6.9	11.3	60.9	13.1	7.7	60.9	0.2	0.4	7.1	62.8	59.3
Hong Kong	1273	4.6	11.8	78.5	4.5	0.6	78.5	0.0	0.1	0.5	77.4	79.6
Hungary	1152	8.0	10.0	63.7	6.4	12.0	63.7	0.0	2.0	10.0	61.9	65.5
Iceland	738	8.2	19.8	58.9	6.6	6.5	58.9	0.0	0.4	6.1	60.2	57.7
Iran, Islamic Rep.	1393	8.9	14.1	48.8	22.2	6.0	48.8	0.0	0.2	5.8	46.7	50.2
Ireland	1163	6.1	10.3	77.6	4.1	1.8	77.6	0.2	0.0	1.6	76.8	78.6
Israel	.	.	.	.	.	.	.	.	.	.	.	.
Japan	1918	3.7	12.1	74.8	7.9	1.4	74.8	0.0	0.1	1.3	73.9	75.7
Korea	1098	3.8	7.4	85.5	3.1	0.2	85.5	0.0	0.0	0.2	85.5	85.5
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	973	9.6	12.1	56.2	8.8	13.2	56.2	0.0	0.7	12.4	57.6	54.5
Lithuania	956	9.2	11.8	39.5	9.5	30.1	39.5	0.2	1.7	28.3	37.6	41.3
Netherlands	790	8.4	8.7	68.3	10.6	3.9	68.3	0.0	0.0	3.9	71.6	64.7
New Zealand	1203	11.4	17.6	63.6	5.3	2.0	63.6	0.0	0.0	2.0	62.0	64.9
Norway	930	12.8	15.3	61.0	6.0	5.0	61.0	0.0	0.6	4.4	57.8	64.5
Philippines	2191	14.5	13.0	47.5	24.3	0.7	47.5	0.0	0.1	0.6	48.4	46.4
Portugal	1250	10.7	12.6	53.5	14.6	8.5	53.5	0.0	0.9	7.6	50.2	57.2
Romania	1399	10.1	8.4	58.0	13.2	10.3	58.0	0.5	0.5	9.4	57.1	59.0
Russian Federation	1557	7.7	9.5	58.3	9.4	15.1	58.3	0.1	1.2	13.8	55.8	60.9
Scotland	1078	10.6	15.8	62.1	7.0	4.6	62.1	0.1	0.2	4.3	60.2	63.6
Singapore	1341	1.4	2.9	94.2	1.2	0.4	94.2	0.0	0.1	0.3	94.2	94.1
Slovak Republic	1387	9.5	13.1	60.4	7.7	9.3	60.4	0.8	0.3	8.2	56.6	64.4
Slovenia	1082	8.2	13.2	65.0	5.9	7.8	65.0	0.0	0.0	7.8	64.2	65.9
South Africa	2015	16.2	14.4	36.9	28.5	4.0	36.9	0.1	1.0	2.9	35.5	38.9
Spain	1414	14.2	11.9	58.3	8.6	7.0	58.3	0.0	0.5	6.5	58.0	58.7
Sweden	1046	15.3	16.6	58.5	5.3	4.3	58.5	0.2	0.8	3.3	55.3	61.6
Switzerland	1522	8.2	11.5	66.2	5.7	8.4	66.2	0.1	0.3	8.0	66.6	66.0
Thailand	2194	6.9	10.1	75.5	5.8	1.6	75.5	0.0	0.0	1.6	74.2	77.4
United States	1435	8.5	14.1	71.1	4.6	1.7	71.1	0.0	0.0	1.7	69.5	72.7
INTERNATIONAL AVG	.	9.2	12.1	62.9	8.3	7.6	62.9	0.1	0.5	6.9	61.7	64.3

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: D09 KEY: A
 Identify smallest fraction. (Fractions and number sense)
 Difficulty: 478

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	2089	73.9	7.0	8.8	9.8	0.6	73.9	0.0	0.1	0.4	74.3	73.5
Austria	1124	85.7	3.3	6.4	3.9	0.8	85.7	0.1	0.1	0.5	85.2	86.2
Belgium (Fl)	1039	85.6	10.1	1.3	2.4	0.6	85.6	0.0	0.1	0.5	82.5	88.5
Belgium (Fr)	847	79.1	12.8	2.4	4.0	1.7	79.1	0.3	0.7	0.8	76.8	82.5
Bulgaria	795	53.9	14.0	4.9	25.7	1.5	53.9	0.0	0.0	1.5	54.9	52.0
Canada	3084	72.6	6.3	6.5	14.0	0.6	72.6	0.0	0.2	0.3	68.5	76.9
Colombia	990	12.0	6.2	2.4	73.6	5.9	12.0	0.3	4.6	1.0	10.6	13.1
Cyprus	1048	64.7	15.5	6.3	11.5	1.9	64.7	0.4	0.4	1.1	63.3	66.1
Czech Republic	1266	61.4	4.5	12.5	20.2	1.4	61.4	0.2	0.7	0.4	55.1	67.7
Denmark	694	55.3	10.8	7.0	22.4	4.5	55.3	0.3	2.0	2.2	53.7	56.6
England	677	67.9	4.2	10.7	16.4	0.8	67.9	0.0	0.0	0.8	61.4	73.8
France	1109	63.0	10.1	3.9	21.7	1.4	63.0	0.2	0.3	0.9	58.1	68.0
Germany	1077	67.9	8.6	6.6	13.9	3.0	67.9	1.0	0.5	1.5	64.4	71.6
Greece	1458	51.5	14.9	2.0	30.1	1.5	51.5	0.3	0.4	0.8	49.4	53.4
Hong Kong	1274	87.1	5.0	1.7	5.8	0.5	87.1	0.0	0.1	0.4	87.3	86.9
Hungary	1152	62.6	10.5	4.5	20.1	2.4	62.6	0.0	2.0	0.5	58.4	66.9
Iceland	738	84.1	8.9	2.6	3.3	1.2	84.1	0.1	0.4	0.7	86.2	82.2
Iran, Islamic Rep.	1393	37.8	8.4	1.2	51.3	1.4	37.8	0.0	0.2	1.2	32.9	41.6
Ireland	1163	87.6	4.1	4.4	3.1	0.9	87.6	0.4	0.1	0.4	85.5	89.9
Israel	.	.	.	.	.	.	.	.	.	.	.	.
Japan	1918	88.4	3.2	1.0	7.2	0.2	88.4	0.0	0.1	0.1	86.1	90.7
Korea	1098	79.8	7.7	0.8	11.6	0.2	79.8	0.0	0.0	0.2	76.3	82.2
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	973	48.1	25.3	3.2	21.5	1.9	48.1	0.0	1.0	1.0	44.5	51.6
Lithuania	956	35.3	16.9	1.5	41.5	4.8	35.3	0.0	1.7	3.1	31.1	39.4
Netherlands	790	84.4	3.8	3.6	7.7	0.4	84.4	0.0	0.0	0.4	79.3	89.8
New Zealand	1203	71.5	5.3	9.8	12.5	0.9	71.5	0.4	0.1	0.4	68.9	73.6
Norway	930	66.8	8.2	3.0	20.5	1.5	66.8	0.0	0.6	0.9	65.3	68.5
Philippines	2190	40.1	20.5	7.8	31.0	0.7	40.1	0.0	0.1	0.5	40.1	40.1
Portugal	1251	34.3	13.7	6.8	42.3	2.9	34.3	0.0	0.9	2.0	29.8	39.1
Romania	1399	40.7	12.0	2.1	42.3	2.8	40.7	0.5	0.6	1.7	37.5	44.4
Russian Federation	1557	49.9	16.1	1.4	30.0	2.5	49.9	0.0	1.3	1.2	43.9	56.0
Scotland	1078	70.4	4.3	12.4	12.2	0.6	70.4	0.2	0.2	0.3	69.6	71.1
Singapore	1341	88.0	7.7	1.9	2.4	0.1	88.0	0.0	0.1	0.0	87.0	89.0
Slovak Republic	1387	58.4	7.2	10.6	21.7	2.2	58.4	0.2	0.4	1.6	54.0	63.1
Slovenia	1082	67.9	8.2	5.7	17.6	0.7	67.9	0.1	0.0	0.6	65.5	70.4
South Africa	2015	35.3	7.5	9.9	45.0	2.3	35.3	0.3	1.0	0.9	32.1	39.4
Spain	1414	32.3	10.8	2.4	52.9	1.6	32.3	0.0	0.8	0.8	29.5	35.1
Sweden	1048	73.9	6.7	3.0	15.3	1.1	73.9	0.0	0.9	0.3	70.1	77.7
Switzerland	1522	74.6	7.3	5.0	11.7	1.3	74.6	0.3	0.3	0.7	74.9	74.3
Thailand	2194	52.3	19.1	2.0	26.3	0.3	52.3	0.0	0.0	0.3	52.4	52.5
United States	1435	66.4	11.3	6.5	15.2	0.6	66.4	0.0	0.0	0.5	62.6	70.4
INTERNATIONAL AVG	.	62.8	9.7	4.9	21.0	1.6	62.8	0.1	0.6	0.8	60.2	65.4

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: D10 KEY: A
 Identify equation which solves word problem: $C=(100+6n)$. (Algebra)
 Difficulty: 582

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2089	42.4	14.5	14.6	16.9	7.4	4.1	42.4	0.0	0.1	4.0	44.6	39.9
Austria	1124	39.4	12.8	18.3	13.3	11.1	5.2	39.4	0.0	0.1	5.1	39.1	39.1
Belgium (Fl)	1039	58.5	20.1	10.5	3.3	4.8	2.9	58.5	0.0	0.2	2.7	59.9	57.1
Belgium (Fr)	847	28.2	16.1	9.6	17.9	8.0	20.1	28.2	0.2	0.7	19.3	28.0	28.6
Bulgaria	795	55.4	8.9	8.0	16.0	5.5	6.1	55.4	0.4	0.0	5.7	56.8	53.6
Canada	3084	40.4	16.2	17.4	18.4	5.3	2.4	40.4	0.1	0.2	2.1	42.4	38.4
Colombia	990	28.3	14.8	12.6	18.3	12.1	13.9	28.3	0.7	4.6	8.6	27.6	28.7
Cyprus	1048	40.5	13.1	14.7	15.3	10.1	6.4	40.5	0.2	0.6	5.6	44.4	36.9
Czech Republic	1266	50.7	12.8	8.2	16.1	7.4	4.8	50.7	0.1	0.8	4.0	49.4	52.1
Denmark	694	24.9	13.6	15.4	14.5	4.4	27.2	24.9	0.5	2.2	24.6	25.7	24.2
England	677	44.0	14.7	17.5	13.3	7.5	3.0	44.0	0.0	0.0	3.0	45.7	42.4
France	1109	31.5	15.8	13.7	17.5	10.0	11.5	31.5	0.2	0.3	11.0	33.1	30.5
Germany	1077	34.2	10.0	12.8	15.0	7.3	20.7	34.2	1.1	0.6	19.1	37.5	31.1
Greece	1458	40.3	14.0	16.4	14.9	6.8	7.6	40.3	0.2	0.5	6.9	42.9	38.0
Hong Kong	1274	66.8	6.9	10.1	8.6	6.9	0.6	66.8	0.0	0.1	0.5	67.9	66.1
Hungary	1152	40.5	12.8	11.1	21.3	7.4	7.0	40.5	0.0	2.0	5.1	44.5	36.3
Iceland	738	30.9	18.5	17.0	20.4	7.4	5.8	30.9	0.1	0.6	5.0	31.2	30.7
Iran, Islamic Rep.	1393	26.5	15.6	17.8	14.0	22.6	3.5	26.5	0.0	0.4	3.1	29.7	24.0
Ireland	1163	36.4	18.4	13.8	17.0	10.8	3.6	36.4	0.2	0.1	3.3	35.6	37.3
Israel	.	.	.	.	.	.	.	.	.	.	.	.	.
Japan	1918	55.2	7.3	8.0	25.1	3.4	0.9	55.2	0.0	0.1	0.8	57.3	53.3
Korea	1098	63.9	8.1	6.9	14.8	5.9	0.3	63.9	0.0	0.0	0.3	67.0	61.7
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	973	25.9	17.0	10.0	26.5	10.3	10.3	25.9	0.0	1.0	9.2	27.6	23.9
Lithuania	956	31.5	16.5	8.4	16.2	7.8	19.6	31.5	0.1	1.7	17.9	30.0	33.0
Netherlands	790	51.0	13.8	12.2	16.3	4.5	2.2	51.0	0.0	0.0	2.2	51.8	50.2
New Zealand	1203	38.6	14.4	18.9	17.3	8.9	2.0	38.6	0.2	0.1	1.7	43.1	34.9
Norway	930	28.8	21.1	17.5	20.8	4.8	6.9	28.8	0.0	0.6	6.3	31.3	26.0
Philippines	2190	55.5	13.8	14.2	8.1	7.7	0.7	55.5	0.0	0.1	0.6	57.9	52.9
Portugal	1251	32.3	16.6	15.1	15.3	12.8	8.0	32.3	0.0	1.2	6.9	33.0	31.5
Romania	1398	36.9	9.2	10.3	19.2	14.9	9.6	36.9	1.5	0.6	7.5	36.8	37.1
Russian Federation	1557	39.7	10.3	9.1	17.9	14.3	8.7	39.7	0.2	1.3	7.2	40.4	39.1
Scotland	1078	37.1	15.7	17.4	17.7	8.6	3.5	37.1	0.5	0.2	2.9	38.3	35.8
Singapore	1341	47.5	8.3	8.2	26.1	8.7	1.2	47.5	0.0	0.1	1.1	46.9	48.1
Slovak Republic	1387	34.0	14.8	13.5	23.9	6.0	7.8	34.0	0.7	0.4	6.8	34.6	33.3
Slovenia	1082	47.5	15.1	10.1	18.5	4.3	4.5	47.5	0.5	0.0	3.9	45.1	50.2
South Africa	2015	25.8	15.9	24.0	15.4	14.1	4.8	25.8	0.3	1.0	3.5	26.3	25.5
Spain	1414	42.2	16.4	13.8	12.2	9.3	6.1	42.2	0.0	0.8	5.3	43.7	40.8
Sweden	1043	46.0	11.9	19.0	11.9	6.9	4.3	46.0	0.1	0.9	3.3	50.3	42.1
Switzerland	1522	32.6	14.8	15.6	16.8	9.2	11.1	32.6	0.4	0.3	10.3	31.5	33.6
Thailand	2194	71.4	8.3	7.3	6.2	0.0	6.8	71.4	0.0	0.0	6.8	74.2	67.2
United States	1435	47.9	12.0	17.5	17.0	4.3	1.2	47.9	0.1	0.0	1.1	50.7	44.9
INTERNATIONAL AVG	.	41.3	13.8	13.4	16.4	8.2	6.9	41.3	0.2	0.6	6.1	42.6	40.0

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: D11 KEY: C
 Identify best unit to measure the mass of an egg. (Measurement)
 Difficulty: 364

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2089	1.8	2.7	88.1	6.4	1.0	88.1	0.0	0.1	0.8	85.6	91.0
Austria	1124	1.9	4.9	81.3	11.4	0.5	81.3	0.0	0.1	0.4	84.2	78.5
Belgium (Fl)	1039	0.7	1.5	94.8	1.9	1.1	94.8	0.0	0.4	0.7	94.1	95.4
Belgium (Fr)	847	2.7	2.1	92.4	0.7	2.2	92.4	0.0	1.0	1.2	91.3	93.5
Bulgaria	795	3.5	1.9	91.4	2.0	1.3	91.4	0.6	0.0	0.7	92.3	90.2
Canada	3084	4.6	4.6	79.6	9.4	1.8	79.6	0.1	0.2	1.5	76.7	82.4
Colombia	990	9.1	6.1	60.5	14.6	9.8	60.5	1.0	5.9	2.9	59.7	60.8
Cyprus	1048	6.5	4.9	73.6	11.8	3.1	73.6	0.0	0.6	2.5	74.4	73.0
Czech Republic	1266	0.8	0.6	93.4	3.6	1.5	93.4	0.2	1.1	0.2	92.5	94.2
Denmark	694	0.5	2.3	86.8	6.5	3.9	86.8	0.2	2.6	1.1	85.4	88.0
England	677	2.6	3.2	82.4	10.3	1.4	82.4	0.0	0.1	1.3	77.2	87.2
France	1109	5.2	4.9	83.7	5.2	1.1	83.7	0.1	0.4	0.6	83.2	83.9
Germany	1077	1.7	4.8	83.2	7.0	3.3	83.2	0.8	0.8	1.7	82.1	84.4
Greece	1458	6.0	4.9	80.3	6.8	2.0	80.3	0.6	0.6	0.8	80.9	79.8
Hong Kong	1274	4.6	5.4	77.4	11.7	1.0	77.4	0.0	0.1	0.9	76.7	77.9
Hungary	1152	1.5	2.3	89.4	3.0	3.7	89.4	0.0	2.1	1.6	91.4	87.3
Iceland	738	2.8	2.7	78.7	13.6	2.1	78.7	0.0	0.6	1.5	78.7	78.8
Iran, Islamic Rep.	1393	4.7	7.1	71.8	15.9	0.6	71.8	0.0	0.4	0.2	63.0	78.5
Ireland	1163	3.2	7.7	73.4	14.4	1.3	73.4	0.3	0.1	0.9	71.2	76.0
Israel	.	.	.	.	.	.	.	.	.	.	.	.
Japan	1918	0.8	0.4	96.4	2.1	0.3	96.4	0.0	0.2	0.1	96.4	96.4
Korea	1098	0.9	3.0	90.2	5.7	0.2	90.2	0.0	0.0	0.2	88.1	91.7
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	972	3.4	1.8	88.2	3.7	2.8	88.2	0.0	1.1	1.7	89.2	87.1
Lithuania	956	6.3	10.7	78.4	0.5	4.0	78.4	0.1	1.8	2.1	78.0	78.8
Netherlands	790	2.1	5.7	86.7	4.5	0.9	86.7	0.0	0.0	0.9	85.8	87.5
New Zealand	1203	2.6	4.3	77.3	14.8	1.0	77.3	0.1	0.1	0.8	73.6	80.3
Norway	930	3.0	8.7	80.7	5.8	1.8	80.7	0.0	0.6	1.1	82.0	79.4
Philippines	2190	7.2	7.2	47.6	36.9	1.1	47.6	0.0	0.2	0.9	48.4	46.6
Portugal	1251	2.4	5.8	76.9	12.1	2.8	76.9	0.0	1.4	1.5	75.1	78.9
Romania	1399	1.8	1.5	85.8	7.4	3.5	85.8	1.3	0.7	1.5	87.1	84.4
Russian Federation	1557	4.5	3.1	87.3	2.8	2.3	87.3	0.1	1.4	0.8	87.5	87.1
Scotland	1078	2.5	4.8	77.8	13.3	1.6	77.8	0.5	0.2	0.8	76.9	78.8
Singapore	1341	1.0	1.9	92.4	4.6	0.1	92.4	0.0	0.1	0.1	92.4	92.4
Slovak Republic	1387	2.7	1.9	91.4	2.4	1.6	91.4	0.3	0.4	0.8	90.8	92.1
Slovenia	1082	1.0	1.9	92.1	4.4	0.6	92.1	0.1	0.0	0.5	92.2	92.2
South Africa	2015	15.2	13.2	45.9	22.3	3.4	45.9	0.2	1.2	2.0	42.6	50.4
Spain	1414	3.2	2.4	83.6	8.1	2.7	83.6	0.0	1.0	1.7	81.6	85.6
Sweden	1048	0.3	1.4	91.5	5.7	1.2	91.5	0.0	1.0	0.1	91.6	91.4
Switzerland	1522	2.4	5.1	83.5	6.8	2.2	83.5	0.9	0.4	1.0	85.6	81.4
Thailand	2194	0.9	5.7	78.1	14.5	0.7	78.1	0.0	0.0	0.7	79.0	76.8
United States	1435	7.9	10.5	68.5	11.8	1.3	68.5	0.0	0.0	1.2	65.1	72.1
INTERNATIONAL AVG	.	3.4	4.4	81.6	8.7	2.0	81.6	0.2	0.7	1.1	80.7	82.3

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: D12 KEY: B
 Estimate rational number from point on number line. (Fractions and number sense)
 Difficulty: 450

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2089	15.2	79.6	3.2	1.6	0.3	79.6	0.0	0.1	0.2	78.8	80.6
Austria	1124	11.0	76.1	4.4	7.4	1.1	76.1	0.1	0.1	0.9	74.2	78.1
Belgium (Fl)	1039	13.0	79.0	2.5	5.1	0.4	79.0	0.0	0.4	0.0	77.9	80.1
Belgium (Fr)	847	11.6	72.7	4.6	9.3	1.8	72.7	0.0	1.0	0.9	71.6	74.5
Bulgaria	795	25.7	58.0	4.8	7.8	3.7	58.0	0.3	0.0	3.4	57.4	58.0
Canada	3084	16.3	75.1	5.6	2.5	0.5	75.1	0.0	0.2	0.2	72.0	77.9
Colombia	990	29.6	38.5	7.0	14.4	10.5	38.5	0.5	5.9	4.2	37.6	39.4
Cyprus	1048	49.8	31.3	8.5	8.0	2.4	31.3	0.0	0.6	1.8	29.5	32.8
Czech Republic	1266	13.4	74.5	2.4	7.7	2.1	74.5	0.0	1.1	1.0	73.0	75.9
Denmark	694	15.6	68.2	5.8	6.0	4.5	68.2	0.1	2.6	1.8	64.9	71.8
England	677	10.6	82.9	4.6	1.5	0.3	82.9	0.0	0.1	0.2	80.9	84.8
France	1109	20.4	65.5	4.7	8.5	0.9	65.5	0.0	0.4	0.5	63.9	67.4
Germany	1077	8.2	83.2	3.2	3.4	2.0	83.2	0.1	0.8	1.1	81.5	85.1
Greece	1458	12.3	68.6	10.4	6.2	2.5	68.6	0.2	0.6	1.8	65.3	71.4
Hong Kong	1274	8.2	85.6	4.1	1.2	1.0	85.6	0.1	0.1	0.8	85.7	85.4
Hungary	1152	14.9	70.1	2.7	8.9	3.5	70.1	0.0	2.5	1.0	71.3	68.7
Iceland	738	11.6	77.4	6.2	2.5	2.3	77.4	0.4	0.7	1.1	76.7	78.1
Iran, Islamic Rep.	1394	58.9	20.5	9.1	10.2	1.2	20.5	0.0	0.4	0.8	23.0	18.8
Ireland	1163	14.9	76.8	5.2	2.4	0.7	76.8	0.1	0.1	0.5	73.5	80.6
Israel	.	.	.	.	.	.	.	.	.	.	.	.
Japan	1918	5.0	92.9	1.4	0.5	0.3	92.9	0.0	0.2	0.1	91.9	93.8
Korea	1098	16.5	79.0	2.0	2.3	0.1	79.0	0.0	0.1	0.0	76.9	80.5
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	972	16.1	68.0	5.7	7.0	3.3	68.0	0.0	1.2	2.1	65.8	70.6
Lithuania	956	16.7	49.4	16.4	12.5	5.0	49.4	0.0	2.0	3.0	46.1	52.6
Netherlands	790	8.4	86.9	3.0	1.2	0.5	86.9	0.0	0.1	0.4	85.9	88.1
New Zealand	1203	20.9	70.3	5.2	2.7	0.9	70.3	0.1	0.1	0.7	70.2	70.3
Norway	930	12.4	75.4	5.5	5.2	1.4	75.4	0.0	0.7	0.8	73.6	77.3
Philippines	2191	34.7	47.6	9.0	8.0	0.6	47.6	0.0	0.3	0.4	45.8	49.6
Portugal	1251	18.7	66.4	6.0	6.5	2.4	66.4	0.0	1.4	1.0	63.5	69.5
Romania	1398	39.1	42.3	5.5	6.9	6.1	42.3	0.7	0.8	4.6	39.9	45.2
Russian Federation	1557	13.6	74.5	2.7	6.4	2.7	74.5	0.0	1.4	1.3	71.4	77.6
Scotland	1078	10.4	83.0	4.6	1.7	0.3	83.0	0.0	0.2	0.1	82.5	83.9
Singapore	1341	4.5	89.4	3.1	2.8	0.2	89.4	0.0	0.1	0.1	89.3	89.5
Slovak Republic	1387	22.1	66.7	3.4	5.1	2.7	66.7	0.1	0.4	2.2	65.0	68.5
Slovenia	1082	20.2	64.1	5.2	9.6	0.9	64.1	0.1	0.1	0.7	62.6	65.7
South Africa	2015	35.8	40.2	9.1	11.2	3.7	40.2	0.0	1.4	2.2	37.0	44.0
Spain	1414	24.6	56.4	7.4	9.0	2.7	56.4	0.0	1.0	1.7	52.5	60.5
Sweden	1048	11.8	78.1	5.3	3.3	1.4	78.1	0.1	1.0	0.3	76.0	80.3
Switzerland	1522	13.6	71.5	3.9	9.3	1.7	71.5	0.0	0.5	1.2	67.0	75.7
Thailand	2194	26.9	66.7	2.6	3.4	0.4	66.7	0.0	0.0	0.3	66.2	67.6
United States	1435	17.3	72.3	7.3	2.2	0.8	72.3	0.0	0.0	0.7	70.6	74.2
INTERNATIONAL AVG	.	18.8	68.1	5.3	5.8	2.0	68.1	0.1	0.8	1.1	66.5	69.9

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: E01 KEY: D
 Interpret line graph to determine intersection point of two plots. (Data Rep., Analysis & Prob.)
 Difficulty: 465

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2076	3.1	6.8	4.9	66.4	17.7	1.1	66.4	0.0	0.2	0.9	64.2	68.7
Austria	1137	1.9	7.4	5.8	69.0	13.0	2.9	69.0	0.2	0.2	2.6	67.3	70.5
Belgium (Fl)	1064	7.9	8.9	5.4	65.9	10.0	1.9	65.9	0.0	0.0	1.9	65.9	65.9
Belgium (Fr)	861	2.5	3.0	5.0	74.9	9.9	4.8	74.9	0.0	0.4	4.5	71.1	80.0
Bulgaria	702	3.5	5.3	6.1	71.7	5.9	7.5	71.7	0.6	0.0	6.9	69.2	74.9
Canada	3063	3.6	7.5	5.5	69.1	13.7	0.6	69.1	0.1	0.0	0.5	64.3	73.8
Colombia	988	5.9	13.0	15.6	37.2	20.1	8.2	37.2	1.4	1.2	5.5	33.9	40.6
Cyprus	1147	3.0	15.9	12.8	51.8	11.5	4.8	51.8	1.2	0.3	3.4	49.4	53.9
Czech Republic	1255	0.7	4.7	3.8	77.2	11.2	2.5	77.2	0.4	0.0	2.2	72.7	81.8
Denmark	822	2.3	4.5	2.4	84.1	4.2	2.6	84.1	0.3	0.1	2.2	83.9	83.6
England	656	4.4	7.5	5.5	66.0	15.7	1.0	66.0	0.0	0.0	1.0	64.5	67.2
France	1124	1.2	2.6	3.7	77.2	12.9	2.4	77.2	0.3	0.1	2.0	74.1	79.9
Germany	1094	1.0	4.7	4.4	69.8	13.5	6.6	69.8	0.3	0.2	6.1	69.1	70.7
Greece	1471	3.5	16.4	14.3	46.0	13.8	6.0	46.0	0.8	0.3	4.9	45.1	47.1
Hong Kong	1275	3.5	2.8	5.9	83.5	3.7	0.5	83.5	0.0	0.0	0.5	81.5	85.2
Hungary	1156	4.0	4.7	4.5	68.1	14.3	4.4	68.1	0.0	0.3	4.1	65.4	71.0
Iceland	733	7.0	12.3	6.2	57.5	14.9	2.2	57.5	0.1	0.0	2.0	54.5	60.2
Iran, Islamic Rep.	1394	9.5	28.3	16.0	22.4	19.4	4.3	22.4	0.0	0.0	4.3	21.3	23.2
Ireland	1149	3.4	7.7	7.1	61.7	19.0	1.2	61.7	0.3	0.0	0.9	59.1	64.6
Israel	.	.	.	.	.	.	.	.	.	.	.	.	.
Japan	1926	0.3	0.8	1.3	96.1	1.4	0.1	96.1	0.0	0.0	0.1	96.2	95.9
Korea	1107	1.6	5.7	3.1	80.6	8.6	0.3	80.6	0.0	0.0	0.3	74.7	85.1
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	956	3.1	7.5	7.0	63.4	12.9	6.1	63.4	0.0	0.2	5.9	60.9	66.5
Lithuania	955	2.3	7.8	6.0	64.4	11.3	8.2	64.4	0.9	0.9	6.5	61.5	67.4
Netherlands	790	8.7	4.3	5.5	73.0	7.7	0.8	73.0	0.0	0.0	0.8	74.7	71.5
New Zealand	1178	3.9	6.5	6.8	63.7	17.9	1.2	63.7	0.4	0.1	0.7	60.9	66.0
Norway	921	3.3	4.3	7.9	56.2	25.4	2.9	56.2	0.0	0.1	2.8	54.7	57.4
Philippines	2187	16.9	21.7	19.8	21.9	19.1	0.5	21.9	0.0	0.0	0.5	22.0	21.8
Portugal	1241	6.0	16.6	13.4	36.0	24.6	3.5	36.0	0.0	0.2	3.3	31.5	40.6
Romania	1394	3.5	12.4	9.6	57.4	11.5	5.5	57.4	1.7	0.2	3.6	57.1	58.0
Russian Federation	1563	1.0	3.8	2.6	79.2	10.4	3.2	79.2	0.4	0.4	2.4	77.7	80.7
Scotland	1064	3.7	7.0	7.5	60.6	19.6	1.4	60.6	0.1	0.0	1.3	56.9	64.8
Singapore	1392	3.8	6.5	5.9	67.6	15.3	1.0	67.6	0.0	0.0	1.0	65.6	69.6
Slovak Republic	1355	3.6	5.3	5.6	71.4	10.2	4.0	71.4	0.3	0.1	3.6	68.5	74.4
Slovenia	1072	2.9	6.0	4.7	75.8	7.1	3.5	75.8	0.3	0.0	3.2	73.4	78.4
South Africa	2059	16.5	15.9	24.3	24.6	14.1	4.7	24.6	2.7	0.4	1.7	25.0	24.5
Spain	1425	1.3	8.8	6.3	63.9	16.4	3.3	63.9	0.0	0.0	3.3	59.7	68.4
Sweden	1055	1.9	5.5	4.2	74.9	12.5	1.0	74.9	0.1	0.2	0.7	70.4	79.7
Switzerland	1528	1.7	7.7	6.0	66.7	13.6	4.3	66.7	0.0	0.2	4.1	62.9	70.2
Thailand	2235	8.6	10.1	5.4	50.5	24.3	1.2	50.5	0.0	0.0	1.2	50.3	51.1
United States	1454	2.9	7.9	6.3	63.5	18.9	0.5	63.5	0.0	0.0	0.5	59.6	67.4
INTERNATIONAL AVG	.	4.2	8.4	7.4	63.3	13.7	3.1	63.3	0.3	0.2	2.6	61.0	65.5

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: E02 KEY: D
 Determine angle in congruent triangles. (Geometry)
 Difficulty: 581

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2076	10.6	17.9	19.7	39.2	10.1	2.4	39.2	0.0	0.2	2.2	38.9	39.5
Austria	1137	4.2	28.6	16.6	35.3	11.3	3.9	35.3	0.8	0.2	2.9	32.6	37.3
Belgium (Fl)	1064	7.8	16.9	15.5	43.2	12.5	4.1	43.2	0.0	0.0	4.1	41.7	44.8
Belgium (Fr)	861	10.1	14.0	17.4	45.1	7.9	5.5	45.1	0.1	0.4	5.0	40.2	50.9
Bulgaria	702	4.6	6.4	6.3	72.1	5.6	5.0	72.1	0.0	0.0	5.0	74.6	68.5
Canada	3063	15.7	22.4	18.5	36.0	6.5	0.9	36.0	0.0	0.0	0.9	37.0	35.5
Colombia	988	27.4	12.4	20.1	14.1	18.2	7.8	14.1	1.2	1.7	4.9	16.7	11.4
Cyprus	1147	8.9	12.1	18.5	47.3	8.1	5.1	47.3	0.5	0.3	4.4	47.3	47.4
Czech Republic	1254	7.2	13.1	12.4	53.7	10.5	3.1	53.7	0.6	0.1	2.4	51.3	56.2
Denmark	822	9.8	20.3	18.8	33.3	7.9	9.8	33.3	0.6	0.2	9.0	34.0	32.0
England	656	13.0	20.1	20.8	29.9	13.0	3.2	29.9	0.0	0.0	3.2	29.7	30.1
France	1124	9.2	10.7	13.1	56.6	8.1	2.2	56.6	0.1	0.1	2.1	55.7	57.5
Germany	1094	6.9	18.5	16.2	37.1	6.7	14.6	37.1	1.1	0.2	13.4	38.9	35.4
Greece	1471	17.1	22.5	20.0	28.6	7.3	4.5	28.6	0.3	0.5	3.8	29.7	27.6
Hong Kong	1275	5.0	10.0	9.7	69.0	6.0	0.3	69.0	0.0	0.0	0.3	65.6	71.9
Hungary	1156	7.5	17.9	21.0	32.6	12.6	8.3	32.6	0.0	0.4	8.0	33.4	31.8
Iceland	733	6.8	23.8	29.2	29.3	8.8	2.1	29.3	0.3	0.0	1.7	26.6	31.7
Iran, Islamic Rep.	1395	12.7	15.9	17.9	32.8	18.2	2.5	32.8	0.2	0.1	2.2	33.3	32.2
Ireland	1149	16.1	16.1	17.9	31.7	15.5	2.7	31.7	0.5	0.0	2.2	30.3	33.3
Israel	.	.	.	.	.	.	.	.	.	.	.	.	.
Japan	1926	2.8	18.2	15.2	54.1	7.8	2.0	54.1	1.3	0.0	0.7	52.3	55.7
Korea	1107	5.7	9.1	7.2	69.8	8.3	0.0	69.8	0.0	0.0	0.0	67.5	71.5
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	956	12.1	13.0	13.1	45.4	11.2	5.2	45.4	0.0	0.6	4.6	43.6	47.1
Lithuania	955	23.1	19.7	11.6	22.8	10.3	12.4	22.8	0.4	1.3	10.7	22.5	23.1
Netherlands	790	13.4	23.2	16.1	30.0	14.9	2.3	30.0	0.1	0.1	2.1	29.5	30.6
New Zealand	1179	12.7	20.9	22.5	30.1	12.6	1.2	30.1	0.1	0.1	1.0	29.5	30.6
Norway	921	9.5	32.0	22.9	24.7	8.0	2.8	24.7	0.0	0.3	2.5	22.4	26.7
Philippines	2187	24.9	17.9	21.9	14.1	21.1	0.1	14.1	0.0	0.0	0.1	13.7	14.5
Portugal	1241	23.5	21.7	22.4	20.7	7.5	4.1	20.7	0.0	0.2	3.9	18.1	23.3
Romania	1393	7.3	7.8	21.9	48.5	9.5	5.0	48.5	0.8	0.4	3.8	46.2	51.2
Russian Federation	1563	11.1	8.8	6.3	59.4	8.9	5.5	59.4	0.1	0.6	4.8	57.4	61.4
Scotland	1064	13.1	19.8	17.6	33.1	14.2	2.2	33.1	0.4	0.0	1.8	31.7	34.5
Singapore	1392	4.2	5.2	8.6	75.1	6.2	0.7	75.1	0.0	0.0	0.7	73.6	76.7
Slovak Republic	1356	8.6	12.6	12.5	58.8	5.3	2.4	58.8	0.7	0.1	1.6	56.4	61.3
Slovenia	1072	10.6	26.9	15.8	32.8	10.5	3.4	32.8	0.6	0.0	2.9	27.9	38.1
South Africa	2059	15.0	16.8	28.7	18.5	17.3	3.7	18.5	1.6	0.5	1.6	17.4	19.6
Spain	1425	23.6	16.3	17.5	27.9	11.9	2.9	27.9	0.0	0.0	2.9	28.8	27.0
Sweden	1055	12.6	21.3	23.5	29.2	11.4	2.1	29.2	0.4	0.2	1.5	29.0	29.2
Switzerland	1529	15.4	16.9	17.7	32.9	10.0	7.1	32.9	0.9	0.3	5.9	31.1	34.7
Thailand	2235	10.8	12.6	14.4	52.8	8.9	0.6	52.8	0.0	0.1	0.4	51.7	54.6
United States	1454	19.4	20.0	22.3	25.2	11.8	1.2	25.2	0.1	0.1	1.0	24.1	26.4
INTERNATIONAL AVG	.	12.0	17.0	17.2	39.3	10.6	3.9	39.3	0.3	0.2	3.3	38.3	40.3

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: E03 KEY: B
 Find fraction of hour between two time points. (Fractions and number sense)
 Difficulty: 528

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2076	16.4	61.5	5.4	12.7	3.3	0.8	61.5	0.0	0.3	0.5	60.3	62.8
Austria	1137	16.7	59.2	8.9	10.8	1.9	2.5	59.2	0.3	0.2	2.0	56.5	61.5
Belgium (Fl)	1064	12.2	71.2	5.7	6.5	3.2	1.1	71.2	0.0	0.0	1.1	70.3	72.1
Belgium (Fr)	861	20.6	58.0	3.9	7.7	3.7	6.1	58.0	0.3	0.5	5.4	53.6	64.0
Bulgaria	702	7.8	64.7	10.3	4.5	2.2	10.6	64.7	1.0	0.0	9.7	61.1	68.2
Canada	3063	15.6	57.5	8.1	14.8	3.2	0.9	57.5	0.0	0.0	0.8	55.4	59.5
Colombia	988	12.0	27.9	25.7	13.5	9.3	11.5	27.9	0.6	2.0	8.8	26.3	29.3
Cyprus	1146	16.3	50.5	9.6	13.2	6.2	4.1	50.5	0.4	0.3	3.4	52.6	48.7
Czech Republic	1254	13.5	49.2	12.6	10.9	5.1	8.8	49.2	3.8	0.1	4.9	43.6	55.0
Denmark	822	12.5	50.5	9.7	11.2	6.0	10.0	50.5	0.1	0.2	9.8	49.0	52.7
England	656	13.7	62.0	9.0	11.5	2.9	0.7	62.0	0.0	0.0	0.7	59.4	64.1
France	1124	16.6	40.8	18.8	12.4	4.4	7.2	40.8	0.9	0.1	6.3	39.3	42.3
Germany	1094	20.6	52.2	8.3	7.6	2.6	8.6	52.2	0.5	0.3	7.8	49.4	55.4
Greece	1471	12.1	43.9	17.0	13.4	6.0	7.5	43.9	1.1	0.6	5.8	40.7	47.1
Hong Kong	1275	6.3	75.0	6.3	8.5	3.6	0.4	75.0	0.0	0.0	0.4	73.2	76.5
Hungary	1156	11.8	54.1	10.2	10.8	5.2	7.9	54.1	0.0	0.5	7.3	53.3	55.0
Iceland	733	15.8	58.9	12.0	8.3	4.0	1.1	58.9	0.1	0.0	1.0	55.8	61.6
Iran, Islamic Rep.	1395	14.9	23.3	31.8	17.1	10.0	2.9	23.3	0.3	0.1	2.4	21.5	24.6
Ireland	1149	17.9	69.5	1.9	7.6	2.6	0.6	69.5	0.4	0.0	0.2	67.7	71.6
Israel	.	.	.	.	.	.	.	.	.	.	.	.	.
Japan	1926	4.3	69.6	9.4	13.1	3.1	0.5	69.6	0.1	0.0	0.5	68.2	71.0
Korea	1107	6.1	65.7	13.8	11.3	2.9	0.2	65.7	0.0	0.0	0.2	59.2	70.5
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	956	16.8	56.5	11.8	7.0	2.6	5.2	56.5	0.0	0.7	4.5	55.8	57.5
Lithuania	955	16.3	32.2	23.8	6.8	2.7	18.2	32.2	2.1	1.7	14.4	31.4	33.0
Netherlands	790	21.0	62.2	5.5	7.7	3.2	0.4	62.2	0.0	0.1	0.3	60.6	63.6
New Zealand	1179	16.1	59.1	7.3	11.2	5.3	1.0	59.1	0.1	0.2	0.6	54.9	62.7
Norway	921	17.1	57.7	10.9	9.2	2.4	2.7	57.7	0.0	0.3	2.4	54.1	60.9
Philippines	2187	16.5	39.4	18.3	16.7	8.7	0.4	39.4	0.0	0.0	0.4	38.2	40.7
Portugal	1241	13.8	28.9	23.0	12.8	8.5	13.0	28.9	0.0	0.3	12.8	26.4	31.5
Romania	1395	14.2	41.9	23.4	8.5	4.5	7.6	41.9	1.2	0.5	5.9	43.2	40.5
Russian Federation	1563	9.6	54.4	18.0	5.9	4.2	7.9	54.4	0.3	0.7	6.9	52.9	55.9
Scotland	1064	15.7	56.8	6.4	14.7	4.8	1.6	56.8	0.4	0.0	1.2	52.7	60.8
Singapore	1392	6.6	79.4	3.7	6.8	2.9	0.7	79.4	0.0	0.0	0.7	80.9	77.9
Slovak Republic	1356	16.4	55.8	13.8	7.8	2.2	4.1	55.8	0.4	0.1	3.6	54.2	57.5
Slovenia	1072	15.9	56.2	8.1	10.7	5.0	4.1	56.2	0.5	0.0	3.6	53.5	59.1
South Africa	2059	16.5	23.6	28.0	14.5	12.6	4.7	23.6	1.4	0.5	2.8	21.5	26.6
Spain	1425	13.4	31.0	32.1	11.3	6.8	5.3	31.0	0.0	0.2	5.1	29.5	32.6
Sweden	1055	21.8	57.4	8.8	7.7	3.1	1.1	57.4	0.0	0.2	0.9	57.7	57.3
Switzerland	1529	17.4	55.2	10.5	8.5	3.5	4.8	55.2	1.0	0.4	3.3	50.9	59.3
Thailand	2235	9.8	52.2	18.7	13.6	4.8	0.9	52.2	0.0	0.1	0.7	51.5	53.5
United States	1454	17.5	54.7	9.6	12.9	4.8	0.5	54.7	0.0	0.1	0.4	52.8	56.7
INTERNATIONAL AVG	.	14.4	53.0	13.0	10.5	4.6	4.5	53.0	0.4	0.3	3.7	51.0	55.0

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: E04 KEY: C
 Solve multi-step word problem: 4-digit whole numbers. (Fractions and number sense)
 Difficulty: 483

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2076	5.8	9.1	66.2	7.9	6.6	4.4	66.2	0.0	0.3	4.2	71.6	60.7
Austria	1137	3.3	6.6	70.2	6.5	7.9	5.5	70.2	0.6	0.2	4.7	71.0	68.4
Belgium (Fl)	1064	8.8	2.2	81.5	3.1	2.6	1.8	81.5	0.0	0.0	1.8	81.6	81.4
Belgium (Fr)	861	17.7	9.8	42.1	6.9	6.1	17.3	42.1	0.1	0.5	16.7	37.8	46.5
Bulgaria	702	4.1	6.5	71.9	7.0	2.9	7.6	71.9	0.3	0.0	7.3	69.7	74.1
Canada	3063	7.6	7.8	68.7	7.0	6.1	2.8	68.7	0.1	0.0	2.8	70.9	66.8
Colombia	988	11.0	9.8	37.7	7.2	13.9	20.4	37.7	0.7	2.7	17.0	36.7	38.6
Cyprus	1147	12.8	12.8	47.2	10.0	10.1	7.1	47.2	0.3	0.3	6.4	51.7	43.2
Czech Republic	1255	9.6	7.9	59.2	6.4	8.7	8.3	59.2	1.6	0.1	6.6	61.4	56.9
Denmark	822	4.7	11.6	37.5	8.9	7.8	29.6	37.5	1.1	0.2	28.3	39.4	36.6
England	656	10.0	11.1	49.4	12.8	10.2	6.5	49.4	0.0	0.0	6.5	51.1	48.1
France	1124	9.4	8.8	58.8	10.0	6.0	7.0	58.8	0.0	0.2	6.8	60.7	56.0
Germany	1094	4.2	4.0	60.3	8.5	8.9	14.1	60.3	2.5	0.4	11.2	64.8	56.3
Greece	1471	5.2	6.9	60.0	5.4	7.1	15.5	60.0	2.5	0.7	12.3	61.9	58.1
Hong Kong	1274	2.3	3.4	82.1	7.8	4.0	0.5	82.1	0.0	0.0	0.5	84.3	80.2
Hungary	1156	9.9	7.3	56.9	7.9	4.8	13.2	56.9	0.0	0.5	12.7	58.4	55.2
Iceland	733	11.3	10.5	60.7	9.5	6.5	1.5	60.7	0.3	0.1	1.1	69.1	53.2
Iran, Islamic Rep.	1395	6.8	10.4	59.2	8.0	12.1	3.4	59.2	0.3	0.1	3.1	56.8	61.2
Ireland	1149	4.7	5.8	74.7	6.0	5.6	3.2	74.7	0.9	0.0	2.3	77.4	71.7
Israel	.	.	.	.	.	.	.	.	.	.	.	.	.
Japan	1926	2.7	4.9	82.1	6.0	3.9	0.4	82.1	0.1	0.0	0.3	84.3	80.2
Korea	1107	3.5	3.2	87.8	3.4	1.8	0.3	87.8	0.0	0.0	0.3	85.1	89.8
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	956	4.5	5.6	66.5	6.3	7.6	9.5	66.5	0.0	0.9	8.7	72.1	60.2
Lithuania	955	10.2	6.3	55.6	4.2	5.0	18.7	55.6	0.1	1.8	16.8	60.3	50.8
Netherlands	790	10.9	12.7	49.9	12.6	11.3	2.6	49.9	0.0	0.1	2.5	56.2	43.7
New Zealand	1179	7.2	9.9	59.4	12.1	7.9	3.4	59.4	0.7	0.3	2.5	63.3	56.0
Norway	921	15.0	17.3	41.9	9.7	7.2	9.1	41.9	0.0	0.4	8.7	43.6	40.3
Philippines	2187	15.6	15.1	38.7	15.6	14.1	0.9	38.7	0.0	0.0	0.8	38.7	38.9
Portugal	1241	7.2	7.7	52.3	8.7	10.8	13.2	52.3	0.0	0.3	12.9	54.7	49.9
Romania	1396	8.3	7.6	65.4	5.3	5.6	7.7	65.4	0.8	0.5	6.4	66.1	64.4
Russian Federation	1563	7.6	4.2	71.8	4.0	4.0	8.4	71.8	0.1	1.1	7.3	74.6	68.8
Scotland	1064	7.7	11.4	54.4	11.5	9.5	5.5	54.4	0.5	0.0	4.9	57.3	51.5
Singapore	1392	3.8	2.7	87.4	3.3	2.0	0.7	87.4	0.0	0.0	0.7	88.0	86.8
Slovak Republic	1356	4.7	4.3	69.1	5.4	6.2	10.3	69.1	3.5	0.2	6.6	72.5	65.4
Slovenia	1072	4.5	5.3	76.7	4.8	4.6	4.2	76.7	0.1	0.0	4.0	80.1	73.0
South Africa	2059	17.7	17.0	26.8	10.3	20.6	7.5	26.8	1.9	0.7	5.0	26.1	27.8
Spain	1425	8.6	6.2	63.0	7.3	7.8	7.1	63.0	0.0	0.4	6.8	65.6	60.3
Sweden	1055	6.6	9.4	65.9	9.5	5.4	3.1	65.9	0.3	0.3	2.5	69.0	62.8
Switzerland	1528	2.7	3.0	79.0	7.5	3.6	4.2	79.0	0.5	0.4	3.3	81.9	76.4
Thailand	2235	9.9	8.4	66.0	8.8	5.4	1.5	66.0	0.0	0.1	1.4	68.8	62.4
United States	1454	8.5	10.8	64.6	9.3	5.4	1.4	64.6	0.0	0.1	1.3	63.6	65.5
INTERNATIONAL AVG	.	7.9	8.1	61.7	7.8	7.2	7.2	61.7	0.5	0.4	6.4	63.7	59.7

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: E05 KEY: E
 Find relationship between numbers in a set of ordered pairs. (Algebra)
 Difficulty: 542

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2076	5.8	3.6	7.5	14.6	65.3	3.2	65.3	0.0	0.3	2.9	69.5	61.1
Austria	1137	7.3	5.4	10.6	23.6	45.0	8.1	45.0	0.5	0.2	7.4	49.5	39.3
Belgium (Fl)	1064	3.4	3.6	6.1	17.3	66.7	3.0	66.7	0.0	0.0	3.0	68.3	65.1
Belgium (Fr)	861	5.7	2.7	8.0	31.4	30.4	21.8	30.4	1.3	0.5	20.0	28.9	32.0
Bulgaria	702	9.9	3.2	9.7	14.6	46.6	16.0	46.6	4.4	0.0	11.6	44.5	48.6
Canada	3063	6.0	3.6	10.5	17.1	59.8	3.0	59.8	0.5	0.0	2.5	63.7	56.4
Colombia	988	13.0	5.2	17.2	15.9	27.9	20.8	27.9	1.0	2.7	17.1	29.6	26.2
Cyprus	1147	9.8	13.3	16.0	23.9	27.1	10.0	27.1	0.6	0.3	9.1	26.2	27.9
Czech Republic	1255	4.4	5.1	9.0	12.7	59.4	9.4	59.4	2.8	0.1	6.5	62.9	55.8
Denmark	822	8.8	3.3	11.1	22.9	39.6	14.3	39.6	0.6	0.3	13.4	44.0	35.3
England	656	7.2	4.4	6.5	15.5	62.7	3.7	62.7	0.0	0.0	3.7	64.5	61.3
France	1124	4.4	5.3	7.5	16.0	53.0	13.9	53.0	5.4	0.2	8.3	53.9	51.8
Germany	1094	7.9	2.6	7.4	16.8	44.4	21.0	44.4	2.5	0.4	18.1	46.5	43.0
Greece	1471	10.5	7.3	14.2	19.6	34.3	14.2	34.3	3.6	0.8	9.8	34.9	33.7
Hong Kong	1274	5.3	4.2	9.7	17.9	62.3	0.6	62.3	0.0	0.0	0.6	64.8	60.1
Hungary	1156	5.3	3.1	6.2	10.4	60.8	14.2	60.8	0.0	0.7	13.4	63.7	57.7
Iceland	732	7.6	8.8	21.2	21.9	35.2	5.3	35.2	0.3	0.2	4.8	37.5	33.2
Iran, Islamic Rep.	1395	12.3	11.4	22.5	19.9	28.2	5.6	28.2	0.5	0.2	4.9	27.1	29.1
Ireland	1149	5.7	5.3	7.0	16.5	59.5	6.0	59.5	3.1	0.0	2.8	60.1	58.8
Israel	.	.	.	.	.	.	.	.	.	.	.	.	.
Japan	1926	2.7	1.9	5.8	11.5	76.2	1.8	76.2	0.9	0.0	0.9	74.6	77.6
Korea	1107	3.9	2.1	3.4	10.6	79.9	0.1	79.9	0.0	0.0	0.1	79.0	80.6
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	956	5.4	3.4	6.4	17.6	52.8	14.4	52.8	0.0	1.0	13.4	55.0	50.2
Lithuania	955	5.9	4.1	7.9	16.5	40.6	25.0	40.6	4.8	2.1	18.1	44.0	37.1
Netherlands	790	5.6	2.1	10.3	21.5	58.1	2.4	58.1	0.2	0.1	2.0	58.7	57.3
New Zealand	1179	6.7	6.1	8.5	16.8	60.3	1.7	60.3	0.6	0.3	0.9	61.7	59.0
Norway	921	7.8	6.1	17.1	24.5	35.5	9.1	35.5	0.0	0.5	8.6	35.1	35.8
Philippines	2187	15.2	5.7	11.9	39.7	26.8	0.5	26.8	0.0	0.1	0.5	27.7	25.9
Portugal	1241	9.5	5.8	20.7	27.7	28.1	8.2	28.1	0.0	0.5	7.6	27.2	29.1
Romania	1390	7.5	4.7	10.5	21.4	35.5	20.5	35.5	8.1	0.5	11.8	36.0	35.0
Russian Federation	1560	5.6	3.7	7.7	10.9	58.8	13.2	58.8	3.9	1.1	8.2	60.2	57.4
Scotland	1064	6.0	3.3	7.7	19.5	57.5	6.0	57.5	2.9	0.0	3.1	57.5	57.9
Singapore	1392	3.6	4.3	5.9	20.6	63.2	2.5	63.2	0.0	0.0	2.5	62.6	63.7
Slovak Republic	1356	8.8	4.1	8.4	14.9	51.0	12.8	51.0	3.5	0.5	8.8	51.9	49.9
Slovenia	1072	5.6	4.2	7.8	16.4	57.2	8.8	57.2	1.8	0.0	7.0	60.7	53.5
South Africa	2059	17.6	11.0	18.8	25.3	21.5	5.9	21.5	1.3	0.7	3.9	20.2	23.1
Spain	1425	6.3	4.0	12.0	24.5	41.9	11.2	41.9	0.0	0.5	10.7	44.0	39.7
Sweden	1055	8.8	5.9	15.0	35.7	29.7	4.9	29.7	0.6	0.4	3.9	29.4	30.3
Switzerland	1528	5.3	3.7	8.4	26.2	45.6	10.8	45.6	1.7	0.6	8.6	44.1	47.0
Thailand	2235	8.2	2.8	10.8	37.8	38.5	1.8	38.5	0.0	0.1	1.7	39.9	36.6
United States	1454	6.2	6.8	9.5	18.5	56.8	2.3	56.8	0.4	0.2	1.7	58.6	54.9
INTERNATIONAL AVG	.	7.3	4.9	10.5	20.2	48.1	9.0	48.1	1.4	0.4	7.1	49.2	47.0

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: E06 KEY: B
 Solve word problem to find length of rectangle from width and perimeter. (Measurement)
 Difficulty: 599

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	2076	22.5	42.3	17.9	16.2	1.1	42.3	0.0	0.3	0.9	42.3	42.2
Austria	1137	35.1	40.4	10.2	13.4	0.8	40.4	0.0	0.2	0.7	38.7	42.0
Belgium (Fl)	1064	21.3	60.2	8.8	9.6	0.1	60.2	0.0	0.0	0.1	59.5	61.0
Belgium (Fr)	861	21.5	59.1	9.3	8.9	1.2	59.1	0.1	0.6	0.5	53.6	65.1
Bulgaria	702	26.2	46.6	13.0	10.4	3.7	46.6	0.1	0.0	3.6	43.4	49.0
Canada	3063	27.5	35.0	16.4	20.0	1.1	35.0	0.0	0.0	1.1	35.1	35.1
Colombia	988	19.9	20.6	18.1	34.3	7.2	20.6	0.1	3.7	3.3	23.7	17.8
Cyprus	1147	50.4	28.0	9.4	9.9	2.4	28.0	0.1	0.5	1.9	24.1	31.3
Czech Republic	1255	33.4	42.2	11.7	10.7	2.0	42.2	0.2	0.4	1.3	41.9	42.4
Denmark	822	25.1	31.1	20.7	16.2	6.8	31.1	0.2	0.4	6.2	27.1	35.0
England	656	14.3	41.7	21.8	21.9	0.3	41.7	0.0	0.0	0.3	41.3	42.0
France	1124	20.7	46.0	14.9	17.3	1.1	46.0	0.1	0.2	0.8	46.1	45.7
Germany	1094	30.6	32.8	14.5	19.6	2.5	32.8	0.1	0.7	1.8	29.5	36.3
Greece	1471	31.2	23.6	17.6	24.7	2.9	23.6	0.0	0.8	2.1	21.8	25.4
Hong Kong	1274	33.2	53.9	6.4	5.9	0.6	53.9	0.0	0.0	0.6	50.6	56.8
Hungary	1156	38.4	25.4	8.4	24.0	3.8	25.4	0.0	0.9	2.8	22.7	28.3
Iceland	733	37.6	21.1	18.3	20.8	2.1	21.1	0.0	0.2	1.9	20.4	21.8
Iran, Islamic Rep.	1395	49.9	16.0	9.0	23.8	1.4	16.0	0.1	0.2	1.1	14.0	17.4
Ireland	1149	36.2	33.1	12.3	17.9	0.5	33.1	0.3	0.0	0.3	30.1	36.5
Israel	.	.	.	.	.	.	.	.	.	.	.	.
Japan	1926	22.8	59.8	6.9	10.3	0.1	59.8	0.0	0.0	0.1	57.9	61.6
Korea	1107	28.5	56.6	4.9	9.7	0.2	56.6	0.0	0.0	0.2	53.7	58.7
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	953	24.1	37.3	19.2	15.9	3.6	37.3	0.0	1.0	2.6	35.4	38.9
Lithuania	955	31.1	25.0	15.4	22.0	6.5	25.0	0.0	2.3	4.2	24.9	25.0
Netherlands	791	22.9	51.5	13.3	11.8	0.5	51.5	0.0	0.1	0.4	51.1	51.9
New Zealand	1179	18.6	39.9	22.0	18.2	1.3	39.9	0.4	0.3	0.7	37.6	41.9
Norway	921	24.1	30.0	21.5	21.8	2.5	30.0	0.0	0.8	1.7	27.9	32.0
Philippines	2186	41.2	14.3	14.2	30.1	0.2	14.3	0.0	0.1	0.0	13.5	15.2
Portugal	1241	14.6	25.7	25.5	31.1	3.0	25.7	0.0	0.7	2.3	22.9	28.6
Romania	1385	21.7	36.6	12.9	25.1	3.7	36.6	0.1	0.6	3.0	34.7	38.8
Russian Federation	1563	30.8	41.7	10.5	13.7	3.3	41.7	0.1	1.2	2.1	40.7	42.6
Scotland	1064	23.2	35.1	22.0	18.9	0.8	35.1	0.0	0.0	0.8	34.4	36.2
Singapore	1392	16.1	74.0	5.2	4.6	0.2	74.0	0.0	0.0	0.2	73.9	74.1
Slovak Republic	1356	36.5	38.3	8.8	14.1	2.3	38.3	0.2	0.6	1.5	34.3	42.7
Slovenia	1072	41.5	33.9	8.5	14.9	1.3	33.9	0.0	0.0	1.3	34.0	33.8
South Africa	2059	24.8	16.5	20.0	35.8	2.9	16.5	0.4	0.9	1.6	15.3	18.2
Spain	1425	23.2	22.1	19.7	30.8	4.2	22.1	0.0	0.7	3.5	19.8	24.4
Sweden	1055	19.7	39.9	19.9	19.9	0.7	39.9	0.0	0.4	0.3	40.5	39.5
Switzerland	1529	25.5	46.1	13.8	12.7	1.8	46.1	0.0	0.6	1.2	44.8	47.3
Thailand	2235	43.3	30.6	6.6	19.2	0.3	30.6	0.0	0.1	0.1	28.9	33.2
United States	1454	31.5	29.3	16.3	21.9	1.0	29.3	0.0	0.3	0.7	28.8	29.8
INTERNATIONAL AVG	.	28.5	37.1	14.1	18.2	2.1	37.1	0.1	0.5	1.5	35.5	38.6

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: F07 KEY: B
 Solve word problem to find average speed from distance and time. (Proportionality)
 Difficulty: 649

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2117	36.3	26.2	13.2	14.8	6.5	3.1	26.2	0.0	0.1	3.0	26.0	26.4
Austria	1132	26.3	32.2	14.6	20.5	3.6	2.9	32.2	0.0	0.3	2.6	31.5	33.2
Belgium (Fl)	1045	24.7	46.1	10.1	13.2	3.9	1.9	46.1	0.0	0.0	1.9	47.9	44.4
Belgium (Fr)	859	24.3	36.8	11.9	12.5	5.1	9.4	36.8	0.1	0.3	9.0	35.2	39.1
Bulgaria	536	15.7	44.7	6.2	17.8	8.9	6.6	44.7	0.4	0.2	6.1	46.2	42.9
Canada	3069	32.7	25.2	11.1	22.5	7.3	1.2	25.2	0.0	0.1	1.0	24.5	25.8
Colombia	992	24.2	11.2	15.0	21.4	14.0	14.2	11.2	0.3	4.9	9.0	10.5	11.8
Cyprus	1087	29.8	18.4	14.9	21.1	10.3	5.6	18.4	0.2	0.5	4.9	17.9	18.7
Czech Republic	1257	25.6	30.7	10.0	20.6	6.5	6.6	30.7	0.4	0.7	5.5	31.5	29.8
Denmark	821	32.4	19.1	12.5	18.7	4.4	12.9	19.1	0.1	1.3	11.5	17.9	20.4
England	669	31.8	25.1	17.1	16.6	7.9	1.4	25.1	0.0	0.1	1.3	18.3	31.0
France	1111	28.9	28.5	15.2	16.0	7.0	4.5	28.5	0.1	0.2	4.1	28.2	28.5
Germany	1067	37.1	21.1	11.0	14.1	3.4	13.3	21.1	0.3	0.8	12.2	21.1	21.1
Greece	1466	25.5	20.3	13.6	20.2	12.8	7.6	20.3	0.1	0.8	6.7	19.9	20.5
Hong Kong	1268	20.4	46.1	5.2	23.5	4.1	0.8	46.1	0.1	0.0	0.7	42.2	48.7
Hungary	1156	18.9	26.0	13.1	28.9	5.5	7.6	26.0	0.0	0.7	6.9	23.9	28.2
Iceland	738	32.3	19.6	19.5	20.4	5.7	2.5	19.6	0.0	0.1	2.4	16.3	22.7
Iran, Islamic Rep.	1392	24.4	16.2	18.5	25.6	11.8	3.4	16.2	0.1	0.1	3.3	13.6	18.4
Ireland	1132	37.3	27.6	8.1	19.9	4.8	2.3	27.6	0.7	0.0	1.6	27.1	28.1
Israel	.	.	.	.	.	.	.	.	.	.	.	.	.
Japan	1924	23.1	42.3	6.0	24.8	3.2	0.7	42.3	0.1	0.1	0.6	34.6	49.5
Korea	1085	23.3	24.4	7.6	40.3	4.0	0.4	24.4	0.0	0.1	0.3	17.3	29.8
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	972	32.0	22.3	13.9	16.5	5.5	9.8	22.3	0.0	0.6	9.3	18.9	25.7
Lithuania	950	31.4	23.6	9.1	14.6	5.5	15.8	23.6	0.0	1.7	14.0	25.1	22.0
Netherlands	791	30.6	31.5	14.0	14.8	6.6	2.5	31.5	0.0	0.2	2.3	31.6	31.9
New Zealand	1207	36.1	23.9	18.0	14.2	6.5	1.3	23.9	0.1	0.2	1.0	23.3	24.5
Norway	922	34.5	23.0	10.4	21.8	5.6	4.7	23.0	0.0	0.2	4.5	23.9	22.1
Philippines	2188	31.0	17.8	16.9	21.4	11.9	1.0	17.8	0.0	0.2	0.8	17.3	18.4
Portugal	1245	28.1	14.4	17.7	18.5	14.2	7.1	14.4	0.0	0.7	6.4	13.7	15.2
Romania	1386	21.5	28.1	11.8	17.7	10.9	10.1	28.1	0.3	0.9	8.8	26.8	29.5
Russian Federation	1572	24.7	35.3	9.2	17.2	4.7	8.9	35.3	0.0	1.0	7.9	35.5	35.1
Scotland	1082	34.9	19.4	13.6	20.9	8.7	2.4	19.4	0.0	0.3	2.1	16.5	22.1
Singapore	1395	12.4	65.4	3.6	13.2	4.6	0.7	65.4	0.0	0.0	0.7	66.5	64.3
Slovak Republic	1346	21.2	34.2	12.8	18.4	6.6	6.8	34.2	0.6	0.4	5.7	35.4	33.0
Slovenia	1082	32.0	28.5	11.1	17.8	4.9	5.8	28.5	0.2	0.0	5.6	28.1	28.9
South Africa	2018	23.9	14.4	16.7	19.0	20.4	5.6	14.4	0.1	1.6	3.9	12.5	16.3
Spain	1395	24.4	25.7	11.6	24.7	7.6	6.1	25.7	0.0	0.6	5.5	23.3	28.2
Sweden	1079	39.7	22.2	13.6	16.8	4.9	2.8	22.2	0.0	0.7	2.1	21.8	22.6
Switzerland	1513	35.2	31.0	9.6	14.7	4.3	5.1	31.0	0.1	0.2	4.9	28.1	34.0
Thailand	2208	28.5	32.4	5.7	27.4	5.1	0.8	32.4	0.0	0.2	0.7	33.2	31.7
United States	1459	30.7	24.6	13.4	22.4	7.2	1.7	24.6	0.0	0.1	1.6	24.2	25.1
INTERNATIONAL AVG	.	28.2	27.6	12.2	19.6	7.2	5.2	27.6	0.1	0.5	4.6	26.4	28.7

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: F08 KEY: C
 Predict probability of occurrence for independent coin toss. (Data Rep., Analysis & Prob.)
 Difficulty: 514

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2117	12.2	7.9	67.6	11.2	1.1	67.6	0.0	0.3	0.9	68.4	66.6
Austria	1132	12.3	9.9	56.5	19.6	1.6	56.5	0.1	0.3	1.2	60.9	51.3
Belgium (Fl)	1045	8.1	8.3	63.5	18.9	1.1	63.5	0.0	0.1	1.0	64.5	62.6
Belgium (Fr)	859	9.3	5.3	62.9	19.3	3.2	62.9	0.2	0.3	2.7	61.8	64.5
Bulgaria	536	7.5	4.8	69.7	15.0	2.9	69.7	0.7	0.5	1.8	72.8	66.2
Canada	3069	14.1	10.1	62.9	11.8	1.1	62.9	0.0	0.1	0.9	66.1	60.0
Colombia	992	11.9	12.8	33.6	31.9	9.8	33.6	0.1	5.6	4.1	33.8	33.2
Cyprus	1086	10.8	13.9	51.4	20.5	3.3	51.4	0.0	0.6	2.7	54.2	49.1
Czech Republic	1257	9.1	7.7	68.2	13.4	1.6	68.2	0.0	0.7	0.8	70.2	66.0
Denmark	821	5.9	5.0	74.2	10.7	4.2	74.2	0.3	1.3	2.6	75.2	73.2
England	669	7.9	6.6	76.8	8.3	0.4	76.8	0.0	0.1	0.3	77.8	76.0
France	1111	9.4	11.0	56.3	20.5	2.7	56.3	0.6	0.3	1.8	56.9	56.1
Germany	1067	9.7	7.7	60.6	15.4	6.6	60.6	0.6	0.9	5.1	59.7	61.8
Greece	1466	19.8	12.5	48.4	16.1	3.3	48.4	0.2	0.8	2.3	50.3	46.5
Hong Kong	1268	12.1	16.0	54.1	17.2	0.5	54.1	0.0	0.0	0.5	50.7	56.4
Hungary	1156	7.6	5.9	73.4	10.8	2.4	73.4	0.0	0.7	1.7	75.8	71.0
Iceland	738	10.4	14.9	54.5	18.6	1.7	54.5	0.0	0.1	1.6	49.5	59.3
Iran, Islamic Rep.	1392	9.7	17.3	26.4	44.2	2.4	26.4	0.0	0.1	2.3	25.5	27.1
Ireland	1132	11.6	9.6	62.0	16.1	0.7	62.0	0.2	0.0	0.6	60.9	63.3
Israel	.	.	.	.	.	.	.	.	.	.	.	.
Japan	1924	16.8	18.5	47.8	16.5	0.4	47.8	0.1	0.1	0.2	41.8	53.5
Korea	1085	12.7	9.0	48.7	29.3	0.3	48.7	0.0	0.1	0.2	41.2	54.4
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	972	7.8	7.5	61.4	18.8	4.5	61.4	0.0	0.8	3.7	62.3	60.5
Lithuania	950	9.0	13.3	39.8	30.1	7.8	39.8	0.1	2.0	5.7	42.3	37.3
Netherlands	791	11.8	6.6	63.4	16.8	1.3	63.4	0.0	0.2	1.1	66.1	60.7
New Zealand	1207	11.2	9.8	64.6	13.5	0.8	64.6	0.0	0.3	0.6	63.2	65.8
Norway	922	12.0	7.0	67.6	11.5	1.9	67.6	0.0	0.3	1.6	67.9	67.3
Philippines	2188	20.0	29.6	24.8	24.7	0.9	24.8	0.0	0.2	0.6	24.7	24.9
Portugal	1245	10.5	13.7	47.4	24.2	4.3	47.4	0.0	1.4	2.9	47.4	47.4
Romania	1387	8.7	8.9	41.5	31.4	9.4	41.5	1.0	1.1	7.3	43.0	39.8
Russian Federation	1572	7.8	7.8	51.0	27.0	6.4	51.0	0.0	1.1	5.3	53.8	48.2
Scotland	1082	17.3	8.5	60.1	12.7	1.4	60.1	0.4	0.3	0.7	59.8	60.3
Singapore	1395	11.4	13.9	37.0	36.7	1.0	37.0	0.0	0.0	1.0	36.6	37.4
Slovak Republic	1346	12.3	10.6	58.2	16.0	3.0	58.2	0.3	0.5	2.2	56.7	59.7
Slovenia	1082	7.0	10.5	60.7	19.5	2.4	60.7	0.4	0.0	2.0	63.4	57.9
South Africa	2018	13.9	22.1	31.7	25.2	7.1	31.7	0.4	1.6	5.0	29.7	34.2
Spain	1395	13.0	9.2	64.0	12.0	1.8	64.0	0.0	0.7	1.1	64.4	63.7
Sweden	1079	9.2	5.4	74.2	9.6	1.6	74.2	0.1	0.7	0.8	74.0	74.2
Switzerland	1513	9.7	8.2	64.8	14.8	2.4	64.8	0.7	0.2	1.6	63.3	66.3
Thailand	2208	13.6	22.2	15.9	47.7	0.7	15.9	0.0	0.2	0.5	15.2	16.6
United States	1459	18.2	12.9	55.6	12.1	1.3	55.6	0.0	0.1	1.2	56.3	54.8
INTERNATIONAL AVG	.	11.3	11.1	55.1	19.7	2.8	55.1	0.2	0.6	2.0	55.2	54.9

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: F09 KEY: C
 Identify decimal fraction between 0.07 and 0.08. (Fractions and number sense)
 Difficulty: 487

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2117	2.4	5.4	68.2	22.7	1.4	68.2	0.0	0.3	1.1	69.0	67.2
Austria	1132	4.0	6.8	69.2	16.5	3.5	69.2	0.8	0.3	2.4	68.5	69.8
Belgium (Fl)	1045	1.2	3.5	82.9	11.6	0.8	82.9	0.0	0.1	0.7	79.4	86.2
Belgium (Fr)	859	3.0	5.3	67.7	20.0	4.1	67.7	0.7	0.3	3.0	66.1	69.1
Bulgaria	536	4.2	9.2	70.7	10.8	5.0	70.7	0.0	0.5	4.6	73.7	67.3
Canada	3069	3.6	7.9	65.7	21.3	1.4	65.7	0.4	0.1	0.9	64.5	66.8
Colombia	992	12.3	5.9	35.1	31.0	15.8	35.1	0.9	5.8	9.0	37.0	33.0
Cyprus	1084	9.4	14.2	46.0	25.5	4.9	46.0	0.6	0.7	3.6	49.2	43.0
Czech Republic	1257	3.3	7.4	64.3	21.3	3.7	64.3	1.5	0.7	1.4	64.5	64.0
Denmark	821	4.5	9.1	53.5	21.2	11.8	53.5	1.8	1.5	8.4	48.0	60.2
England	669	4.2	6.1	60.6	27.2	1.9	60.6	0.0	0.1	1.7	55.5	65.1
France	1111	1.9	3.7	83.1	9.7	1.6	83.1	0.8	0.3	0.5	82.3	83.3
Germany	1067	4.7	6.0	65.9	14.6	8.8	65.9	2.9	1.0	4.9	64.9	68.1
Greece	1466	7.7	10.4	52.7	23.8	5.3	52.7	1.6	1.0	2.7	49.3	55.9
Hong Kong	1268	3.5	7.1	76.6	12.3	0.6	76.6	0.0	0.0	0.6	74.7	77.9
Hungary	1156	4.9	5.4	55.5	29.1	5.0	55.5	0.0	0.8	4.2	54.8	56.2
Iceland	738	2.7	8.6	71.2	15.6	1.9	71.2	0.7	0.3	0.9	72.9	69.6
Iran, Islamic Rep.	1392	11.3	19.9	28.1	37.4	3.3	28.1	0.1	0.3	2.9	27.2	28.8
Ireland	1132	5.5	7.6	64.4	20.9	1.6	64.4	0.7	0.0	0.9	62.7	66.4
Israel	.	.	.	.	.	.	.	.	.	.	.	.
Japan	1924	1.7	6.7	80.0	10.5	1.0	80.0	0.7	0.1	0.3	78.0	81.9
Korea	1085	3.5	9.9	79.2	7.0	0.3	79.2	0.0	0.1	0.2	75.4	82.1
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	973	8.3	13.8	52.5	20.0	5.4	52.5	0.0	1.0	4.5	50.1	55.4
Lithuania	950	5.4	9.8	53.1	20.4	11.3	53.1	0.7	2.1	8.5	54.2	52.0
Netherlands	791	3.6	4.6	72.2	16.9	2.6	72.2	0.2	0.2	2.2	71.1	73.1
New Zealand	1207	3.3	5.6	61.0	28.7	1.5	61.0	0.3	0.3	0.9	61.0	61.0
Norway	922	6.1	8.7	60.4	16.4	8.4	60.4	0.0	0.4	7.9	57.9	62.7
Philippines	2188	18.9	21.9	33.4	25.0	0.9	33.4	0.0	0.2	0.7	33.5	33.2
Portugal	1245	8.5	8.2	49.4	29.0	4.8	49.4	0.0	1.6	3.2	50.4	48.5
Romania	1383	9.6	6.3	47.6	22.1	14.5	47.6	6.0	1.4	7.0	47.1	47.8
Russian Federation	1572	5.4	8.7	57.2	21.8	6.9	57.2	0.3	1.1	5.5	55.4	59.0
Scotland	1082	4.1	5.8	55.1	32.3	2.7	55.1	1.1	0.3	1.4	53.1	57.3
Singapore	1395	2.4	5.8	81.4	9.7	0.6	81.4	0.0	0.0	0.6	80.2	82.6
Slovak Republic	1346	4.5	4.9	63.7	22.3	4.6	63.7	1.6	0.5	2.5	60.3	67.1
Slovenia	1082	5.3	9.1	56.4	25.1	4.2	56.4	1.4	0.0	2.7	51.7	61.5
South Africa	2018	10.3	8.7	33.3	39.6	8.2	33.3	1.6	1.7	4.9	32.6	34.4
Spain	1395	7.1	9.4	51.4	28.3	3.8	51.4	0.0	0.8	3.0	53.2	49.5
Sweden	1079	4.8	12.8	63.2	17.2	2.0	63.2	0.2	0.7	1.1	61.9	64.2
Switzerland	1513	2.4	3.7	73.4	15.2	5.2	73.4	2.9	0.4	1.9	69.9	76.9
Thailand	2208	8.0	13.5	59.5	18.1	0.9	59.5	0.1	0.2	0.7	56.7	63.8
United States	1459	4.4	6.8	60.7	26.6	1.6	60.7	0.0	0.1	1.5	60.6	60.7
INTERNATIONAL AVG	.	5.5	8.4	60.6	21.1	4.3	60.6	0.8	0.7	2.9	59.5	61.8

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: F10 KEY: D
 Determine measurement accuracy of ruler. (Measurement)
 Difficulty: 541

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	2117	3.2	3.6	35.3	56.1	1.8	56.1	0.0	0.3	1.5	53.8	58.9
Austria	1131	1.9	4.9	18.7	66.2	8.3	66.2	2.0	0.3	6.0	62.0	70.6
Belgium (Fl)	1045	4.5	5.1	15.2	74.2	1.0	74.2	0.1	0.1	0.8	71.5	76.8
Belgium (Fr)	859	8.0	5.9	12.8	70.2	3.0	70.2	1.9	0.7	0.5	67.1	73.7
Bulgaria	536	8.7	6.9	11.7	69.6	3.1	69.6	1.7	0.5	0.9	72.4	66.5
Canada	3069	4.8	1.9	51.0	39.9	2.5	39.9	2.1	0.1	0.3	36.8	42.9
Colombia	992	11.2	6.9	43.3	27.8	10.7	27.8	0.5	6.1	4.1	25.1	30.0
Cyprus	1082	13.4	5.9	62.9	13.7	4.2	13.7	1.0	0.7	2.5	11.0	16.2
Czech Republic	1258	3.7	5.0	15.3	72.1	3.9	72.1	3.0	0.8	0.1	67.9	76.5
Denmark	821	9.1	4.6	22.8	52.9	10.6	52.9	7.0	1.7	1.9	48.1	57.9
England	669	5.5	2.3	37.4	51.4	3.4	51.4	0.0	0.1	3.3	44.2	57.6
France	1111	9.3	6.7	15.2	65.1	3.7	65.1	3.2	0.3	0.2	61.9	68.2
Germany	1067	1.7	2.0	25.5	55.7	15.1	55.7	12.8	1.0	1.3	50.8	61.0
Greece	1466	13.7	7.2	45.8	29.3	4.0	29.3	0.9	1.0	2.1	26.4	31.9
Hong Kong	1261	6.3	8.7	31.4	53.4	0.2	53.4	0.1	0.0	0.1	51.1	55.0
Hungary	1156	6.1	4.9	19.5	61.1	8.4	61.1	0.0	0.9	7.5	54.3	67.8
Iceland	738	9.6	3.6	39.4	43.2	4.3	43.2	3.1	0.3	0.9	40.6	45.7
Iran, Islamic Rep.	1392	9.5	3.9	68.2	17.4	1.0	17.4	0.2	0.3	0.5	16.5	18.2
Ireland	1132	10.3	2.8	36.8	48.8	1.2	48.8	0.7	0.0	0.5	43.1	55.4
Israel	.	.	.	.	.	.	.	.	.	.	.	.
Japan	1924	2.7	3.7	48.7	35.7	9.2	35.7	8.8	0.1	0.2	31.7	39.5
Korea	1085	9.3	20.8	17.7	51.9	0.3	51.9	0.0	0.1	0.2	49.0	54.2
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	976	11.1	7.1	18.2	58.6	5.0	58.6	0.0	1.0	4.1	53.3	64.4
Lithuania	950	14.1	4.7	26.8	46.1	8.2	46.1	2.9	2.9	2.4	42.7	49.6
Netherlands	791	6.0	4.1	25.1	64.1	0.6	64.1	0.0	0.2	0.4	61.0	67.7
New Zealand	1207	5.1	4.0	36.2	52.6	2.2	52.6	1.6	0.4	0.2	47.5	57.0
Norway	921	8.1	2.6	31.4	52.9	5.1	52.9	0.0	0.6	4.5	46.3	59.2
Philippines	2187	15.5	6.8	56.5	20.3	0.9	20.3	0.0	0.2	0.6	21.7	18.8
Portugal	1245	5.3	3.3	54.8	29.3	7.2	29.3	0.0	1.6	5.6	28.2	30.4
Romania	1383	12.5	4.4	34.8	37.4	10.9	37.4	6.4	1.5	3.1	35.0	39.8
Russian Federation	1572	7.5	5.4	16.4	68.2	2.5	68.2	0.6	1.2	0.8	67.1	69.3
Scotland	1082	4.7	1.3	44.6	47.1	2.4	47.1	1.5	0.3	0.6	44.6	49.8
Singapore	1395	6.8	4.3	35.9	52.6	0.5	52.6	0.0	0.0	0.5	52.5	52.8
Slovak Republic	1347	3.7	3.9	24.1	64.3	4.0	64.3	3.2	0.5	0.3	54.3	74.3
Slovenia	1081	3.5	4.6	14.8	73.8	3.3	73.8	2.5	0.0	0.8	70.3	77.6
South Africa	2018	13.9	8.1	48.7	24.1	5.3	24.1	0.7	1.8	2.8	25.3	23.1
Spain	1395	10.0	2.6	50.4	33.5	3.5	33.5	0.0	0.8	2.7	30.8	36.3
Sweden	1079	5.4	4.3	13.7	75.3	1.3	75.3	0.4	0.7	0.2	71.9	78.7
Switzerland	1513	2.6	4.2	15.3	69.5	8.5	69.5	7.3	0.5	0.7	64.5	74.3
Thailand	2208	15.7	6.7	34.6	42.4	0.6	42.4	0.0	0.2	0.4	43.0	41.5
United States	1459	9.2	2.7	54.4	32.5	1.2	32.5	0.0	0.1	1.1	29.5	35.4
INTERNATIONAL AVG	.	7.8	5.1	32.8	50.0	4.3	50.0	1.9	0.7	1.7	46.9	53.1

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: F11 KEY: A
 Solve multi-step problem using linear equations. (Algebra)
 Difficulty: 577

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	2117	46.2	10.0	21.7	20.4	1.7	46.2	0.0	0.3	1.5	46.2	46.2
Austria	1132	37.3	6.1	13.7	40.4	2.5	37.3	0.0	0.4	2.0	36.2	39.7
Belgium (Fl)	1045	67.3	2.7	8.5	20.8	0.7	67.3	0.0	0.1	0.6	68.5	66.2
Belgium (Fr)	859	51.5	2.9	10.4	31.4	3.8	51.5	0.1	0.7	3.1	49.2	53.8
Bulgaria	536	70.0	7.9	12.4	6.0	3.6	70.0	0.0	0.7	2.9	72.3	67.5
Canada	3069	40.8	8.3	24.9	25.3	0.7	40.8	0.0	0.2	0.5	41.1	40.5
Colombia	992	17.8	11.8	32.4	23.4	14.6	17.8	0.6	6.5	7.5	15.5	20.2
Cyprus	1082	38.3	8.7	22.3	26.6	4.2	38.3	0.0	0.7	3.5	39.9	36.7
Czech Republic	1258	40.4	7.2	18.5	30.0	3.9	40.4	0.3	0.9	2.7	41.0	39.7
Denmark	821	41.1	9.3	28.7	9.9	10.9	41.1	0.3	1.8	8.9	41.6	40.6
England	669	34.7	11.7	24.4	28.0	1.2	34.7	0.0	0.1	1.1	30.4	38.5
France	1111	33.6	9.2	28.4	24.9	4.0	33.6	0.0	0.4	3.5	32.2	34.8
Germany	1067	29.7	7.4	19.4	36.2	7.4	29.7	0.1	1.1	6.2	29.2	30.3
Greece	1466	25.4	11.3	22.7	35.4	5.3	25.4	0.1	1.1	4.1	25.7	25.1
Hong Kong	1261	80.7	3.8	9.8	5.4	0.3	80.7	0.0	0.0	0.3	82.2	79.6
Hungary	1156	53.8	6.6	16.4	18.0	5.2	53.8	0.0	1.1	4.1	54.1	53.6
Iceland	738	38.2	13.5	22.5	23.1	2.7	38.2	0.0	0.5	2.2	40.4	36.1
Iran, Islamic Rep.	1392	24.9	13.9	32.3	26.4	2.4	24.9	0.0	0.5	1.9	27.5	22.9
Ireland	1132	60.5	4.1	11.4	23.3	0.7	60.5	0.0	0.0	0.7	57.8	63.6
Israel	.	.	.	.	.	.	.	.	.	.	.	.
Japan	1924	67.5	2.2	15.0	14.8	0.5	67.5	0.0	0.1	0.3	66.1	68.9
Korea	1085	74.5	2.8	9.7	12.8	0.2	74.5	0.0	0.1	0.1	72.1	76.3
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	976	37.9	7.8	23.9	25.1	5.2	37.9	0.0	1.1	4.0	39.3	36.6
Lithuania	.	.	.	.	.	.	.	.	.	.	.	.
Netherlands	791	40.1	7.7	17.3	33.4	1.6	40.1	0.0	0.2	1.3	40.7	39.3
New Zealand	1207	40.2	10.3	22.7	25.9	0.9	40.2	0.0	0.4	0.5	39.1	41.0
Norway	921	28.3	13.3	24.4	28.6	5.4	28.3	0.0	0.7	4.7	28.3	28.3
Philippines	2187	22.2	16.9	34.6	25.2	1.1	22.2	0.0	0.4	0.7	22.8	21.6
Portugal	1245	15.8	15.5	33.6	28.7	6.4	15.8	0.0	1.9	4.5	16.2	15.4
Romania	1387	31.7	7.9	40.8	10.1	9.6	31.7	0.1	1.5	8.0	32.0	31.4
Russian Federation	1572	59.3	6.2	20.7	7.1	6.7	59.3	0.1	1.3	5.3	62.3	56.2
Scotland	1082	33.6	8.9	21.8	33.4	2.4	33.6	0.0	0.3	2.0	30.9	36.4
Singapore	1395	78.6	3.2	6.5	11.3	0.3	78.6	0.0	0.0	0.3	79.4	77.7
Slovak Republic	1347	36.3	7.8	17.2	34.6	4.1	36.3	0.1	0.6	3.4	36.4	36.2
Slovenia	1082	36.3	8.0	24.6	26.6	4.4	36.3	0.0	0.0	4.4	37.1	35.5
South Africa	2018	24.2	13.3	38.5	17.2	6.8	24.2	0.4	1.8	4.6	22.6	26.2
Spain	1395	24.5	10.3	31.3	28.6	5.3	24.5	0.0	1.1	4.2	23.1	26.0
Sweden	1079	33.0	7.9	25.7	31.1	2.3	33.0	0.3	0.8	1.3	31.0	34.7
Switzerland	1513	52.4	4.8	11.0	29.7	2.1	52.4	0.1	0.5	1.5	49.3	55.3
Thailand	2208	36.6	7.5	26.0	29.3	0.7	36.6	0.0	0.2	0.5	38.7	33.9
United States	1459	38.2	14.6	24.8	21.2	1.2	38.2	0.1	0.2	0.9	38.2	38.3
INTERNATIONAL AVG	.	42.1	8.5	21.8	23.8	3.7	42.1	0.1	0.8	2.8	42.0	42.3

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: F12 KEY: C
 Identify fraction of circle which is shaded. (Fractions and number sense)
 Difficulty: 537

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	2117	5.0	14.1	65.1	14.4	1.4	65.1	0.0	0.6	0.8	66.3	63.8
Austria	1132	3.6	12.2	60.7	20.5	3.0	60.7	0.0	0.6	2.4	61.8	59.7
Belgium (Fl)	1045	2.4	10.2	71.9	14.6	0.8	71.9	0.0	0.1	0.7	72.6	71.3
Belgium (Fr)	859	3.3	12.7	64.7	16.2	3.0	64.7	0.1	0.9	2.0	60.0	69.3
Bulgaria	536	9.8	16.8	49.7	20.2	3.6	49.7	0.0	0.7	2.8	49.9	49.5
Canada	3069	5.5	14.0	58.4	21.3	0.8	58.4	0.0	0.2	0.6	57.3	59.7
Colombia	992	15.8	14.1	23.6	34.8	11.7	23.6	0.6	6.7	4.4	23.3	24.0
Cyprus	1084	11.4	17.0	41.8	27.1	2.7	41.8	0.2	0.7	1.7	38.7	44.9
Czech Republic	1258	7.8	17.6	46.9	24.6	3.1	46.9	0.4	1.0	1.7	44.2	49.6
Denmark	821	7.2	15.6	53.8	18.1	5.4	53.8	0.2	2.4	2.9	51.5	56.3
England	669	5.1	10.6	68.1	15.2	1.1	68.1	0.0	0.3	0.9	64.6	71.0
France	1111	4.5	13.2	60.8	20.1	1.4	60.8	0.2	0.6	0.6	63.2	58.1
Germany	1067	4.2	12.1	58.4	18.2	7.1	58.4	0.5	1.1	5.5	58.3	59.1
Greece	1466	8.1	16.0	40.9	30.9	4.0	40.9	0.3	1.2	2.6	36.6	44.9
Hong Kong	1261	4.8	8.1	67.6	19.0	0.6	67.6	0.1	0.0	0.5	64.9	69.4
Hungary	1156	6.6	13.8	46.9	28.2	4.5	46.9	0.0	1.6	3.0	48.8	45.1
Iceland	738	4.6	23.0	55.5	15.6	1.3	55.5	0.2	0.9	0.3	53.2	57.7
Iran, Islamic Rep.	1392	12.2	13.5	30.3	42.9	1.2	30.3	0.1	0.5	0.6	29.5	31.0
Ireland	1132	3.8	18.6	62.2	14.9	0.5	62.2	0.0	0.1	0.4	60.2	64.5
Israel	.	.	.	.	.	.	.	.	.	.	.	.
Japan	1924	5.0	14.7	56.3	23.3	0.7	56.3	0.1	0.2	0.4	53.8	58.7
Korea	1085	7.3	16.4	49.0	27.0	0.3	49.0	0.0	0.2	0.1	49.1	49.0
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	975	13.3	24.3	34.6	22.2	5.6	34.6	0.0	1.6	4.0	36.6	32.3
Lithuania	950	15.9	15.7	25.4	24.9	18.0	25.4	0.1	3.6	14.4	24.8	26.1
Netherlands	791	4.3	10.0	68.8	15.5	1.3	68.8	0.0	0.2	1.1	71.6	65.4
New Zealand	1207	4.7	16.8	58.6	18.8	1.1	58.6	0.2	0.4	0.5	56.9	60.1
Norway	921	5.6	15.7	57.9	17.7	3.1	57.9	0.0	1.1	2.0	59.1	56.8
Philippines	2187	15.4	21.4	32.1	30.0	1.1	32.1	0.0	0.5	0.6	33.2	31.0
Portugal	1245	11.3	19.9	35.2	27.3	6.3	35.2	0.0	2.3	4.0	34.0	36.5
Romania	1387	15.3	15.6	34.8	27.4	6.9	34.8	0.5	1.8	4.6	34.1	35.4
Russian Federation	1572	9.3	20.4	45.3	19.6	5.4	45.3	0.1	2.1	3.2	45.2	45.4
Scotland	1082	2.6	11.8	69.9	14.5	1.2	69.9	0.0	0.5	0.7	71.2	69.1
Singapore	1395	4.0	12.0	65.8	17.7	0.5	65.8	0.0	0.0	0.5	64.7	66.9
Slovak Republic	1347	7.6	14.2	50.8	23.9	3.5	50.8	0.6	0.9	2.0	47.1	54.4
Slovenia	1081	8.4	18.0	50.8	21.1	1.8	50.8	0.0	0.1	1.7	53.7	47.7
South Africa	2018	18.7	20.5	27.6	28.2	5.0	27.6	0.3	1.9	2.7	26.8	28.5
Spain	1395	8.6	18.5	37.1	32.1	3.6	37.1	0.0	1.4	2.2	37.6	36.6
Sweden	1079	5.0	15.1	56.8	21.3	1.9	56.8	0.0	1.0	0.9	55.8	57.6
Switzerland	1513	3.9	9.9	64.9	18.8	2.5	64.9	0.4	0.8	1.3	65.1	64.6
Thailand	2208	6.7	16.1	33.4	43.0	0.8	33.4	0.0	0.2	0.6	33.3	33.2
United States	1459	5.5	15.2	55.6	22.5	1.2	55.6	0.0	0.2	1.0	53.3	57.8
INTERNATIONAL AVG	.	7.6	15.4	51.0	22.8	3.2	51.0	0.1	1.0	2.1	50.3	51.6

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: G01 KEY: B
 Interpret frequency table to find number above a given level. (Data Rep., Analysis & Prob.)
 Difficulty: 543

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2111	31.8	43.8	12.3	3.0	2.2	6.9	43.8	0.0	0.2	6.7	46.4	41.2
Austria	1130	19.6	56.7	15.6	2.7	1.7	3.7	56.7	0.1	0.1	3.5	56.2	56.6
Belgium (Fl)	1037	13.0	71.7	11.0	1.3	1.0	2.0	71.7	0.0	0.0	2.0	71.4	72.1
Belgium (Fr)	862	9.0	66.5	19.2	1.6	1.1	2.7	66.5	0.2	0.0	2.5	67.8	64.5
Bulgaria	635	23.3	38.0	13.2	3.2	3.3	18.9	38.0	0.7	0.0	18.2	35.0	42.4
Canada	3048	30.4	44.2	17.8	2.7	2.3	2.6	44.2	0.2	0.0	2.4	44.7	44.3
Colombia	1005	32.4	30.4	18.3	3.0	4.9	11.1	30.4	1.0	0.7	9.4	31.1	29.9
Cyprus	1145	21.5	41.4	21.6	4.2	3.0	8.4	41.4	1.5	0.1	6.8	41.2	41.5
Czech Republic	1250	17.7	61.0	14.9	1.3	0.9	4.1	61.0	0.5	0.0	3.6	63.7	58.5
Denmark	823	22.3	50.3	17.2	1.3	1.3	7.5	50.3	0.5	0.4	6.6	51.1	48.5
England	678	29.1	49.8	15.4	1.5	1.2	3.0	49.8	0.0	0.1	2.8	47.7	51.7
France	1135	9.7	56.7	28.8	1.3	1.1	2.4	56.7	0.7	0.0	1.7	55.2	57.9
Germany	1099	12.4	56.5	19.3	2.3	0.9	8.6	56.5	0.6	0.2	7.7	58.9	53.9
Greece	1490	14.1	48.6	25.2	3.0	3.9	5.2	48.6	1.9	0.1	3.3	48.0	49.2
Hong Kong	1281	15.6	44.2	33.5	3.7	1.6	1.4	44.2	0.0	0.0	1.4	41.3	46.4
Hungary	1147	22.7	49.6	11.7	2.1	1.3	12.6	49.6	0.0	0.0	12.6	52.3	46.7
Iceland	735	17.1	64.4	14.5	1.1	0.8	2.1	64.4	0.5	0.1	1.5	66.7	62.4
Iran, Islamic Rep.	1410	23.4	38.5	21.7	4.7	5.1	6.6	38.5	0.7	1.1	4.9	37.6	39.2
Ireland	1157	32.2	46.3	14.6	2.4	1.7	2.8	46.3	0.7	0.0	2.2	42.6	50.5
Israel	.	.	.	.	.	.	.	.	.	.	.	.	.
Japan	1934	8.2	44.6	43.5	2.3	0.7	0.7	44.6	0.3	0.0	0.4	42.0	47.1
Korea	1100	1.8	82.8	13.8	0.9	0.6	0.1	82.8	0.0	0.0	0.1	83.8	82.0
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	952	31.7	37.8	14.5	3.8	3.1	9.1	37.8	0.0	0.2	8.9	35.8	39.8
Lithuania	932	24.4	39.8	11.2	3.0	1.2	20.5	39.8	0.3	0.7	19.5	41.0	38.5
Netherlands	772	15.0	68.8	13.5	0.7	1.2	0.8	68.8	0.0	0.0	0.8	67.4	70.0
New Zealand	1185	36.9	41.8	14.3	3.2	1.8	2.1	41.8	0.4	0.0	1.6	40.8	42.9
Norway	914	37.7	37.8	14.8	1.5	0.3	7.9	37.8	0.0	0.2	7.7	37.7	37.9
Philippines	2197	30.8	39.6	17.6	4.0	7.2	0.8	39.6	0.0	0.0	0.7	37.6	41.9
Portugal	1260	30.9	44.6	17.7	1.9	0.6	4.2	44.6	0.0	0.4	3.8	42.3	47.3
Romania	1398	18.5	48.9	19.7	2.9	2.9	7.1	48.9	1.0	0.3	5.7	50.0	47.9
Russian Federation	1561	28.3	47.1	13.2	2.2	1.5	7.8	47.1	0.1	0.1	7.7	45.9	48.3
Scotland	1071	33.7	47.9	12.0	0.6	1.0	4.7	47.9	1.0	0.0	3.8	49.0	47.1
Singapore	1333	15.7	53.1	23.9	2.7	3.4	1.3	53.1	0.0	0.0	1.3	52.1	54.0
Slovak Republic	1345	28.7	40.7	12.8	4.0	3.9	9.8	40.7	1.4	0.1	8.3	43.0	38.4
Slovenia	1081	17.9	57.5	19.5	1.9	0.6	2.7	57.5	0.6	0.1	2.0	59.1	55.8
South Africa	1976	27.0	26.2	20.2	4.9	17.2	4.5	26.2	0.8	0.8	2.9	25.2	27.4
Spain	1400	25.7	43.6	20.2	2.4	1.7	6.3	43.6	0.0	0.0	6.3	43.2	44.1
Sweden	1084	28.3	47.9	17.2	1.3	1.4	3.8	47.9	0.5	0.0	3.4	47.3	48.6
Switzerland	1514	15.8	54.6	20.1	3.0	0.7	5.9	54.6	1.2	0.1	4.6	53.5	55.4
Thailand	2198	18.6	49.2	26.0	2.5	1.9	1.9	49.2	0.0	0.0	1.9	49.8	48.0
United States	1445	30.1	47.3	17.0	2.5	1.4	1.7	47.3	0.0	0.0	1.7	47.8	46.9
INTERNATIONAL AVG	.	22.6	49.0	18.2	2.5	2.3	5.4	49.0	0.4	0.2	4.8	48.8	49.2

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: G02 KEY: C
 Read meter scale to determine length of a pipe. (Measurement)
 Difficulty: 429

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	2111	3.9	6.4	74.7	14.3	0.7	74.7	0.0	0.2	0.5	76.3	72.9
Austria	1130	5.8	2.9	81.3	9.2	0.7	81.3	0.2	0.1	0.5	84.1	78.0
Belgium (Fl)	1037	3.7	2.4	88.5	5.0	0.3	88.5	0.0	0.0	0.3	85.9	90.8
Belgium (Fr)	862	3.8	3.3	81.3	10.8	0.8	81.3	0.1	0.0	0.6	80.8	81.8
Bulgaria	635	6.0	5.4	76.8	8.3	3.5	76.8	0.1	0.0	3.4	74.3	79.9
Canada	3048	4.4	4.1	75.5	15.7	0.3	75.5	0.0	0.0	0.3	75.3	76.0
Colombia	1005	6.3	9.0	48.5	29.2	7.0	48.5	0.0	1.5	5.5	49.8	47.1
Cyprus	1145	7.4	7.7	54.4	28.9	1.6	54.4	0.0	0.1	1.5	53.8	55.1
Czech Republic	1250	2.1	3.1	87.2	6.9	0.7	87.2	0.0	0.0	0.6	84.9	89.5
Denmark	823	5.6	8.5	58.3	23.6	4.0	58.3	0.3	0.7	3.1	55.6	61.4
England	678	5.2	7.2	68.4	19.0	0.1	68.4	0.0	0.1	0.0	64.7	71.7
France	1135	3.7	1.6	87.7	6.7	0.3	87.7	0.0	0.1	0.2	85.3	89.7
Germany	1099	4.0	3.5	81.2	9.6	1.8	81.2	0.0	0.4	1.4	82.0	80.3
Greece	1490	5.5	5.5	66.2	21.9	0.9	66.2	0.1	0.1	0.7	66.2	66.4
Hong Kong	1281	3.9	2.7	87.3	5.0	1.2	87.3	0.2	0.1	1.0	88.6	86.2
Hungary	1147	4.2	4.6	75.5	14.7	1.0	75.5	0.0	0.2	0.9	74.2	76.9
Iceland	735	4.0	2.7	78.5	14.7	0.2	78.5	0.0	0.1	0.1	77.2	79.5
Iran, Islamic Rep.	1410	5.7	3.9	26.9	61.8	1.7	26.9	0.0	1.1	0.5	25.0	28.5
Ireland	1157	3.8	4.6	71.6	19.6	0.4	71.6	0.3	0.0	0.1	68.9	74.6
Israel	.	.	.	.	.	.	.	.	.	.	.	.
Japan	1934	2.9	1.3	93.7	2.0	0.2	93.7	0.0	0.1	0.1	94.1	93.3
Korea	1100	4.2	1.4	90.9	3.5	0.0	90.9	0.0	0.0	0.0	89.3	92.2
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	952	6.8	5.7	66.7	18.5	2.3	66.7	0.0	0.2	2.1	66.2	67.0
Lithuania	932	4.7	8.0	67.0	17.1	3.2	67.0	0.0	0.7	2.5	66.8	67.1
Netherlands	773	4.0	2.9	82.0	10.9	0.1	82.0	0.0	0.0	0.1	83.4	80.5
New Zealand	1185	4.4	6.4	68.4	20.7	0.1	68.4	0.0	0.1	0.0	68.6	68.3
Norway	914	6.6	6.9	68.2	17.4	0.9	68.2	0.0	0.2	0.7	66.6	69.6
Philippines	2198	14.9	15.2	42.6	26.8	0.6	42.6	0.0	0.1	0.5	42.4	42.9
Portugal	1260	4.7	5.9	61.8	26.7	0.9	61.8	0.0	0.4	0.5	61.1	62.7
Romania	1398	6.8	6.6	65.2	17.9	3.5	65.2	0.1	0.4	2.9	65.9	64.3
Russian Federation	1562	5.8	4.4	78.4	10.5	0.8	78.4	0.0	0.1	0.8	78.0	78.8
Scotland	1071	8.1	7.3	66.2	18.4	0.0	66.2	0.0	0.0	0.0	64.3	67.9
Singapore	1333	3.2	1.2	94.2	1.4	0.0	94.2	0.0	0.0	0.0	94.9	93.6
Slovak Republic	1345	3.8	2.8	80.7	12.1	0.5	80.7	0.0	0.1	0.5	81.5	80.0
Slovenia	1081	4.3	2.7	79.4	12.7	0.9	79.4	0.2	0.1	0.6	80.0	78.7
South Africa	1976	6.7	11.0	45.9	33.2	3.2	45.9	0.2	0.9	2.2	43.3	49.0
Spain	1400	5.0	6.6	64.0	22.7	1.6	64.0	0.0	0.2	1.4	64.7	63.4
Sweden	1084	6.8	4.8	72.4	15.6	0.5	72.4	0.0	0.1	0.4	69.2	75.4
Switzerland	1514	4.8	2.2	82.6	9.8	0.5	82.6	0.0	0.1	0.4	81.1	84.1
Thailand	2198	5.3	5.1	72.1	16.8	0.8	72.1	0.0	0.0	0.8	71.0	74.0
United States	1445	4.4	5.7	68.3	20.5	0.9	68.3	0.0	0.0	0.9	66.5	70.2
INTERNATIONAL AVG	.	5.2	5.1	72.0	16.5	1.2	72.0	0.0	0.2	1.0	71.3	72.7

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: G03 KEY: C
 Find sum of vertical angles from diagram of intersecting lines. (Geometry)
 Difficulty: 558

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2111	5.5	33.5	47.0	9.0	3.5	1.5	47.0	0.0	0.2	1.2	49.6	44.2
Austria	1130	12.2	26.9	45.2	7.8	4.1	3.8	45.2	0.1	0.1	3.6	46.1	44.3
Belgium (Fl)	1037	4.0	26.7	57.0	5.0	5.1	2.1	57.0	0.0	0.0	2.1	59.2	55.1
Belgium (Fr)	862	6.7	31.5	52.0	4.2	2.7	2.8	52.0	0.0	0.0	2.8	49.2	55.6
Bulgaria	635	4.6	14.6	64.4	6.9	4.1	5.5	64.4	0.0	0.0	5.5	66.6	60.8
Canada	3048	9.8	35.2	38.2	9.9	5.6	1.2	38.2	0.0	0.0	1.2	38.1	38.3
Colombia	1005	12.0	14.3	23.7	15.9	23.5	10.7	23.7	0.1	2.0	8.6	21.6	26.6
Cyprus	1145	6.5	40.9	42.2	6.1	2.0	2.2	42.2	0.1	0.1	2.0	40.8	43.7
Czech Republic	1249	8.5	33.7	48.9	4.7	2.4	1.9	48.9	0.2	0.0	1.6	46.5	51.2
Denmark	823	11.7	29.8	30.5	8.6	5.2	14.2	30.5	0.2	0.8	13.2	28.2	32.0
England	678	8.7	34.4	41.3	11.3	3.0	1.3	41.3	0.0	0.1	1.2	40.5	42.1
France	1135	7.8	30.7	50.8	5.5	2.8	2.4	50.8	0.3	0.1	2.1	49.9	51.0
Germany	1099	6.8	35.6	37.4	6.5	1.8	11.8	37.4	0.1	0.4	11.3	39.4	35.6
Greece	1490	11.2	28.0	33.1	13.1	9.1	5.6	33.1	0.3	0.1	5.2	31.9	34.1
Hong Kong	1281	1.9	19.4	73.4	3.8	0.8	0.7	73.4	0.0	0.1	0.6	73.5	73.3
Hungary	1147	8.1	28.3	47.7	6.9	5.3	3.7	47.7	0.0	0.2	3.5	48.4	46.9
Iceland	735	10.9	39.8	31.8	12.5	3.1	1.9	31.8	0.0	0.1	1.9	31.3	32.2
Iran, Islamic Rep.	1410	4.5	24.5	39.7	19.6	9.8	2.0	39.7	0.2	1.1	0.6	36.9	41.8
Ireland	1157	5.8	29.3	47.5	10.8	4.6	2.0	47.5	0.3	0.0	1.8	46.6	48.5
Israel	.	.	.	.	.	.	.	.	.	.	.	.	.
Japan	1934	3.6	21.7	70.2	3.3	1.0	0.2	70.2	0.0	0.1	0.2	69.5	70.8
Korea	1100	1.7	13.0	80.2	4.1	1.0	0.0	80.2	0.0	0.0	0.0	78.9	81.2
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	951	5.1	25.6	49.8	9.9	6.1	3.6	49.8	0.0	0.2	3.4	50.6	49.1
Lithuania	932	5.7	28.5	37.5	9.6	7.2	11.4	37.5	0.0	0.7	10.6	38.9	36.2
Netherlands	774	6.9	26.0	53.1	7.9	4.7	1.3	53.1	0.0	0.0	1.3	51.2	54.8
New Zealand	1185	9.1	34.2	40.3	12.8	3.3	0.4	40.3	0.1	0.1	0.3	39.6	40.8
Norway	914	11.2	31.4	34.5	12.2	5.1	5.6	34.5	0.0	0.2	5.4	31.8	36.9
Philippines	2199	12.7	16.5	21.6	22.4	26.1	0.7	21.6	0.0	0.1	0.6	21.0	22.2
Portugal	1260	8.8	26.5	35.1	19.1	6.3	4.2	35.1	0.0	0.4	3.8	31.5	39.2
Romania	1402	6.4	19.4	51.1	9.0	8.1	6.1	51.1	0.6	0.6	4.8	48.2	54.4
Russian Federation	1563	3.8	24.1	58.6	8.1	3.4	2.1	58.6	0.0	0.1	2.0	57.4	59.9
Scotland	1071	9.2	41.5	36.9	6.8	3.3	2.3	36.9	0.4	0.0	1.9	37.0	36.6
Singapore	1333	1.1	12.9	83.2	2.4	0.4	0.0	83.2	0.0	0.0	0.0	85.6	80.9
Slovak Republic	1344	7.2	29.4	50.6	6.0	4.1	2.6	50.6	0.4	0.1	2.1	50.2	51.0
Slovenia	1081	7.8	25.6	48.8	5.3	9.5	3.0	48.8	0.1	0.1	2.8	48.6	48.9
South Africa	1976	14.6	16.6	17.7	29.7	17.4	4.1	17.7	0.5	0.9	2.7	16.9	18.8
Spain	1400	8.1	22.1	40.8	16.6	8.5	3.9	40.8	0.0	0.2	3.7	39.9	41.6
Sweden	1084	9.5	27.1	38.1	16.3	6.8	2.2	38.1	0.0	0.1	2.1	37.4	39.0
Switzerland	1514	10.6	34.0	34.0	10.0	6.2	5.2	34.0	0.4	0.1	4.7	33.6	34.5
Thailand	2198	6.2	24.3	60.4	4.2	4.1	0.7	60.4	0.0	0.0	0.7	60.3	61.1
United States	1445	8.4	24.9	36.2	15.7	13.6	1.2	36.2	0.0	0.0	1.2	37.4	34.9
INTERNATIONAL AVG	.	7.6	27.1	45.8	10.0	6.1	3.5	45.8	0.1	0.2	3.1	45.2	46.3

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: G04 KEY: B
 Solve simple proportionality equation. (Proportionality)
 Difficulty: 475

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2111	9.4	71.4	9.1	8.4	1.7	71.4	0.0	0.2	1.4	73.3	69.4
Austria	1130	15.7	65.1	8.3	7.1	3.7	65.1	0.1	0.3	3.3	66.4	63.0
Belgium (Fl)	1037	2.5	92.2	1.2	3.7	0.4	92.2	0.0	0.0	0.4	93.1	91.4
Belgium (Fr)	862	9.0	79.5	3.4	3.2	4.9	79.5	0.0	0.0	4.9	81.8	77.3
Bulgaria	635	9.4	64.1	10.2	5.4	10.9	64.1	0.0	0.0	10.9	67.0	60.7
Canada	3048	10.8	77.6	5.6	5.3	0.6	77.6	0.0	0.0	0.6	76.2	79.5
Colombia	1005	13.0	43.8	22.3	12.3	8.6	43.8	0.0	2.3	6.4	43.0	44.7
Cyprus	1145	10.6	69.3	9.5	9.1	1.6	69.3	0.0	0.2	1.4	66.6	71.9
Czech Republic	1249	17.8	61.5	6.9	10.2	3.6	61.5	0.6	0.0	3.0	63.3	59.7
Denmark	823	14.7	57.9	11.3	4.9	11.3	57.9	0.1	0.9	10.3	55.3	60.6
England	678	11.5	55.7	17.5	11.9	3.5	55.7	0.0	0.1	3.4	51.0	59.9
France	1135	9.6	73.2	7.1	5.8	4.4	73.2	0.0	0.1	4.3	71.4	75.0
Germany	1099	13.9	68.0	4.0	5.3	8.8	68.0	0.3	0.7	7.8	68.3	68.0
Greece	1490	8.6	52.3	24.4	10.7	4.0	52.3	0.3	0.1	3.7	52.1	52.6
Hong Kong	1281	6.0	82.0	4.9	6.3	0.8	82.0	0.0	0.1	0.8	82.0	82.0
Hungary	1147	8.3	71.1	10.0	6.6	4.1	71.1	0.0	0.2	4.0	71.6	70.5
Iceland	735	23.7	48.5	17.0	7.1	3.8	48.5	0.0	0.1	3.7	43.7	52.5
Iran, Islamic Rep.	1410	14.9	47.6	19.7	13.9	3.8	47.6	0.3	1.1	2.4	44.2	50.4
Ireland	1157	12.5	77.1	5.5	3.9	1.0	77.1	0.0	0.0	1.0	77.1	77.2
Israel	.	.	.	.	.	.	.	.	.	.	.	.
Japan	1934	7.1	76.8	7.6	8.3	0.3	76.8	0.0	0.1	0.2	76.1	77.5
Korea	1100	4.8	79.1	7.1	8.8	0.1	79.1	0.0	0.0	0.1	76.4	81.3
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	951	15.9	54.1	16.2	8.3	5.5	54.1	0.0	0.2	5.3	55.8	52.3
Lithuania	932	17.5	37.2	17.5	9.1	18.8	37.2	0.2	0.7	17.8	36.1	38.3
Netherlands	774	9.5	77.9	6.7	4.0	1.8	77.9	0.0	0.0	1.8	78.2	77.7
New Zealand	1185	13.0	59.9	14.9	11.6	0.6	59.9	0.0	0.1	0.5	55.4	64.1
Norway	914	15.8	51.3	18.9	9.3	4.7	51.3	0.0	0.2	4.5	51.2	51.4
Philippines	2199	16.8	46.1	20.8	15.8	0.5	46.1	0.0	0.1	0.4	46.0	46.2
Portugal	1260	9.7	42.9	23.4	19.5	4.5	42.9	0.0	0.6	3.9	40.4	45.7
Romania	1402	5.6	59.8	17.2	10.3	7.1	59.8	0.2	0.6	6.3	63.3	55.7
Russian Federation	1563	13.5	56.9	13.5	8.9	7.1	56.9	0.0	0.4	6.7	57.0	56.8
Scotland	1071	13.0	53.9	19.1	11.7	2.4	53.9	0.1	0.0	2.3	53.7	54.1
Singapore	1333	2.4	92.1	2.1	3.1	0.3	92.1	0.0	0.0	0.3	91.2	92.9
Slovak Republic	1344	15.5	61.3	10.3	9.6	3.3	61.3	0.4	0.1	2.8	63.0	59.7
Slovenia	1081	14.4	64.7	10.1	7.3	3.4	64.7	0.1	0.1	3.3	61.5	68.0
South Africa	1976	13.4	29.3	33.8	19.5	3.9	29.3	0.2	0.9	2.7	28.5	30.2
Spain	1400	6.2	63.0	14.4	13.1	3.3	63.0	0.0	0.2	3.1	63.0	63.1
Sweden	1084	24.3	40.3	18.4	14.1	2.9	40.3	0.0	0.1	2.8	40.6	40.1
Switzerland	1514	10.8	68.3	9.7	8.1	3.2	68.3	0.0	0.2	3.0	69.5	67.1
Thailand	2198	11.5	73.8	6.7	7.4	0.5	73.8	0.0	0.0	0.5	72.7	75.8
United States	1445	11.1	71.5	8.1	8.5	0.8	71.5	0.0	0.0	0.7	70.2	72.9
INTERNATIONAL AVG	.	11.8	63.0	12.4	8.9	3.9	63.0	0.1	0.3	3.6	62.4	63.4

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: G05 KEY: D
 Identify fraction represented in word problem. (Fractions and number sense)
 Difficulty: 518

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2111	3.2	5.6	23.4	65.5	0.7	1.5	65.5	0.0	0.2	1.2	67.9	63.1
Austria	1130	5.0	10.6	32.4	46.6	3.0	2.3	46.6	0.1	0.3	1.9	49.8	43.8
Belgium (Fl)	1037	3.5	3.2	13.1	78.2	0.8	1.2	78.2	0.0	0.0	1.2	78.3	78.2
Belgium (Fr)	862	2.8	6.3	21.5	64.2	2.0	3.2	64.2	0.1	0.3	2.9	68.1	60.0
Bulgaria	635	2.7	7.4	25.7	53.3	3.3	7.6	53.3	0.1	0.0	7.5	53.2	52.6
Canada	3048	3.4	6.4	19.7	68.8	0.9	0.9	68.8	0.0	0.0	0.8	69.6	67.8
Colombia	1005	4.1	11.2	46.5	25.0	4.7	8.5	25.0	0.2	2.4	5.9	25.0	25.2
Cyprus	1145	2.9	10.4	22.1	58.9	2.7	3.0	58.9	0.5	0.2	2.3	60.6	57.2
Czech Republic	1246	3.1	6.9	28.9	51.9	5.9	3.3	51.9	0.2	0.1	3.1	52.5	51.3
Denmark	823	3.7	8.4	21.1	57.4	3.7	5.7	57.4	0.4	0.9	4.4	59.5	55.7
England	678	4.0	6.1	22.3	64.4	2.5	0.8	64.4	0.0	0.1	0.6	62.5	66.1
France	1135	4.4	6.1	18.7	66.5	1.3	3.1	66.5	0.7	0.1	2.3	66.7	67.3
Germany	1099	4.8	8.7	21.0	56.0	2.5	7.0	56.0	0.3	0.7	6.0	57.4	54.7
Greece	1490	6.4	9.3	21.7	55.8	3.0	3.7	55.8	0.5	0.1	3.1	56.9	54.7
Hong Kong	1281	2.5	11.4	6.0	78.6	1.1	0.4	78.6	0.1	0.1	0.2	79.6	77.9
Hungary	1147	4.6	8.9	33.7	42.4	7.0	3.4	42.4	0.0	0.3	3.2	44.3	40.4
Iceland	735	5.3	10.6	23.5	50.9	9.0	0.7	50.9	0.0	0.1	0.6	51.7	50.2
Iran, Islamic Rep.	1410	8.2	15.6	18.8	43.5	9.6	4.3	43.5	0.7	1.1	2.5	41.4	45.3
Ireland	1157	2.6	5.7	20.3	69.2	1.3	1.0	69.2	0.2	0.0	0.8	67.7	71.0
Israel	.	.	.	.	.	.	.	.	.	.	.	.	.
Japan	1934	5.9	16.4	11.1	65.4	1.1	0.1	65.4	0.0	0.1	0.0	65.8	65.1
Korea	1100	4.7	5.0	5.0	83.6	1.6	0.1	83.6	0.0	0.0	0.1	84.7	82.8
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	950	6.0	14.4	36.5	34.5	3.5	5.0	34.5	0.0	0.2	4.8	35.0	34.0
Lithuania	932	4.2	14.2	41.1	20.1	5.3	15.1	20.1	0.5	0.8	13.7	21.1	19.1
Netherlands	774	2.2	3.4	16.7	75.9	1.2	0.6	75.9	0.0	0.1	0.5	77.2	75.2
New Zealand	1185	3.9	6.1	21.0	66.7	2.0	0.3	66.7	0.1	0.1	0.1	69.5	64.0
Norway	913	6.4	6.7	18.3	64.2	1.6	2.7	64.2	0.0	0.2	2.5	66.0	62.6
Philippines	2198	3.5	12.4	54.2	25.8	3.5	0.6	25.8	0.0	0.1	0.5	29.1	22.1
Portugal	1260	4.4	7.7	42.7	35.2	5.9	4.1	35.2	0.0	0.8	3.2	37.6	32.6
Romania	1400	7.0	9.6	36.0	34.9	5.3	7.2	34.9	1.5	0.6	5.1	35.0	34.6
Russian Federation	1562	3.3	10.7	26.8	49.7	3.8	5.6	49.7	0.1	0.6	4.8	48.7	50.9
Scotland	1071	4.1	7.4	20.6	65.5	1.7	0.7	65.5	0.2	0.0	0.6	68.0	63.0
Singapore	1333	1.6	1.7	9.8	85.5	1.0	0.4	85.5	0.0	0.0	0.4	88.1	83.0
Slovak Republic	1344	4.3	9.3	31.7	45.0	5.9	4.0	45.0	0.6	0.1	3.3	46.7	43.2
Slovenia	1081	5.3	8.1	28.3	52.9	2.7	2.7	52.9	0.0	0.1	2.6	54.9	51.1
South Africa	1976	5.5	17.8	41.4	24.0	8.1	3.2	24.0	0.6	0.9	1.7	22.8	25.7
Spain	1400	4.5	11.0	30.7	44.2	6.4	3.3	44.2	0.0	0.2	3.1	47.2	41.4
Sweden	1084	4.1	8.6	21.1	59.7	4.8	1.6	59.7	0.0	0.1	1.6	61.8	57.8
Switzerland	1514	4.2	8.4	20.7	60.4	2.6	3.7	60.4	0.4	0.2	3.1	58.6	62.1
Thailand	2198	3.0	7.1	22.2	66.1	1.0	0.5	66.1	0.0	0.0	0.5	68.4	62.9
United States	1445	2.5	11.5	26.1	57.4	1.3	1.2	57.4	0.0	0.0	1.1	57.7	57.1
INTERNATIONAL AVG	.	4.2	8.9	25.1	55.4	3.4	3.1	55.4	0.2	0.3	2.6	56.4	54.3

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: G06 KEY: E
 Find solution to $-3X$ for given value of X . (Algebra)
 Difficulty: 599

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2111	33.9	31.7	4.1	5.1	23.1	2.2	23.1	0.0	0.2	2.0	26.0	20.1
Austria	1130	29.6	18.6	6.0	7.2	36.0	2.7	36.0	0.0	0.3	2.4	37.4	33.3
Belgium (Fl)	1037	27.0	15.9	2.3	3.1	50.6	1.1	50.6	0.0	0.0	1.1	56.5	45.4
Belgium (Fr)	862	35.7	33.3	2.7	3.0	19.6	5.6	19.6	0.0	0.3	5.4	20.6	17.8
Bulgaria	635	11.6	3.2	4.5	6.2	68.4	6.1	68.4	0.1	0.0	6.0	72.0	63.7
Canada	3048	33.5	35.9	6.5	6.4	16.3	1.5	16.3	0.0	0.0	1.5	15.6	17.4
Colombia	1005	23.2	20.7	16.8	10.8	17.5	11.0	17.5	0.3	2.8	7.9	15.0	20.6
Cyprus	1145	43.2	20.0	6.3	4.6	21.1	4.8	21.1	0.3	0.2	4.3	20.5	21.6
Czech Republic	1246	18.3	15.2	5.4	10.0	47.5	3.6	47.5	0.7	0.1	2.8	52.7	42.5
Denmark	823	14.6	37.6	6.4	5.3	21.0	15.0	21.0	0.1	0.9	14.0	19.9	22.9
England	678	29.9	35.4	6.6	7.4	17.8	2.9	17.8	0.0	0.1	2.7	14.6	20.8
France	1135	39.7	36.9	5.1	6.7	5.8	5.7	5.8	0.1	0.1	5.5	6.5	5.1
Germany	1099	20.7	26.1	4.0	4.9	26.0	18.3	26.0	0.1	0.7	17.5	26.7	25.6
Greece	1490	21.1	37.7	10.8	8.5	10.0	11.9	10.0	0.4	0.4	11.2	11.8	8.2
Hong Kong	1281	19.1	9.4	3.0	2.7	65.5	0.2	65.5	0.1	0.1	0.1	64.7	66.1
Hungary	1147	25.1	12.6	3.4	3.8	52.8	2.3	52.8	0.0	0.3	2.1	56.9	48.4
Iceland	735	11.3	58.1	13.0	8.8	3.1	5.6	3.1	0.1	0.1	5.5	3.5	2.8
Iran, Islamic Rep.	1410	38.0	18.8	9.9	4.7	24.8	3.8	24.8	0.0	1.1	2.6	23.4	26.0
Ireland	1157	29.7	24.3	5.7	6.2	32.7	1.4	32.7	0.1	0.0	1.3	29.9	36.1
Israel	.	.	.	.	.	.	.	.	.	.	.	.	.
Japan	1934	8.3	12.2	2.8	8.6	67.6	0.4	67.6	0.1	0.1	0.3	66.7	68.5
Korea	1100	11.4	12.0	2.5	2.4	71.7	0.1	71.7	0.0	0.0	0.1	70.4	72.7
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	951	24.0	13.5	4.3	7.4	46.7	4.1	46.7	0.0	0.3	3.7	50.2	43.1
Lithuania	932	20.2	9.4	4.8	9.2	48.7	7.7	48.7	0.4	1.2	6.1	53.3	44.1
Netherlands	774	29.0	31.3	11.2	12.5	9.1	6.8	9.1	0.0	0.1	6.7	9.8	8.7
New Zealand	1185	25.0	45.5	9.4	9.1	10.0	1.1	10.0	0.0	0.1	1.0	10.8	9.1
Norway	913	28.4	40.0	8.6	8.9	7.0	7.1	7.0	0.0	0.2	6.9	5.2	8.6
Philippines	2198	48.4	24.3	6.5	6.2	14.0	0.6	14.0	0.0	0.1	0.5	14.7	13.2
Portugal	1260	26.5	30.7	10.0	8.3	19.4	5.1	19.4	0.0	0.8	4.3	21.9	16.5
Romania	1402	21.5	7.1	7.3	7.7	51.0	5.4	51.0	0.4	0.6	4.4	52.0	50.0
Russian Federation	1562	10.3	6.7	1.0	4.8	75.0	2.2	75.0	0.0	0.7	1.5	78.2	71.5
Scotland	1071	28.4	38.6	9.0	10.0	10.0	3.9	10.0	0.0	0.0	3.9	10.2	9.6
Singapore	1333	22.5	10.4	2.6	4.1	60.2	0.2	60.2	0.0	0.0	0.2	63.5	57.0
Slovak Republic	1344	21.4	13.0	6.9	11.2	44.9	2.6	44.9	0.0	0.2	2.4	49.5	40.3
Slovenia	1081	21.3	15.5	3.6	5.0	51.0	3.5	51.0	0.2	0.1	3.2	54.0	48.2
South Africa	1976	25.8	39.1	11.7	5.9	13.5	4.0	13.5	0.4	1.0	2.6	12.0	15.6
Spain	1400	23.8	21.9	10.4	8.0	30.9	4.9	30.9	0.0	0.4	4.5	32.2	29.8
Sweden	1084	40.1	26.9	7.9	10.3	11.2	3.6	11.2	0.0	0.2	3.4	10.5	12.0
Switzerland	1514	27.0	37.2	7.6	7.7	11.9	8.6	11.9	0.2	0.2	8.2	10.7	13.1
Thailand	2198	45.1	19.1	7.7	9.5	17.4	1.2	17.4	0.0	0.0	1.2	16.7	17.9
United States	1445	32.5	24.1	7.2	7.4	26.8	1.9	26.8	0.0	0.0	1.8	28.9	24.8
INTERNATIONAL AVG	.	26.2	24.2	6.6	7.0	31.4	4.5	31.4	0.1	0.3	4.1	32.4	30.5

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: H07 KEY: C
 Interpret barchart histogram to find number above a given level. (Data Rep., Analysis & Prob.)
 Difficulty: 481

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2093	4.8	11.2	72.5	2.9	7.3	1.3	72.5	0.0	0.3	1.0	73.6	71.4
Austria	1122	5.0	11.8	67.1	4.2	8.2	3.7	67.1	0.9	0.1	2.8	64.6	69.8
Belgium (Fl)	1020	3.8	7.9	81.5	2.8	3.2	0.9	81.5	0.0	0.0	0.9	83.5	79.5
Belgium (Fr)	862	9.6	12.3	69.9	2.6	3.9	1.6	69.9	0.5	0.1	1.0	67.8	72.7
Bulgaria	636	8.5	18.4	54.4	5.7	8.2	4.9	54.4	1.4	0.0	3.5	54.9	53.7
Canada	3079	6.6	9.4	72.6	3.2	7.4	0.8	72.6	0.1	0.0	0.7	72.3	72.9
Colombia	998	14.9	15.6	34.6	7.1	17.7	10.0	34.6	1.3	3.0	5.8	33.5	35.7
Cyprus	1067	9.7	17.1	51.6	4.9	10.5	6.2	51.6	2.6	0.2	3.4	51.6	51.8
Czech Republic	1234	6.3	18.5	65.2	3.3	3.9	2.8	65.2	1.3	0.3	1.2	63.1	67.3
Denmark	700	6.8	13.5	67.4	3.6	5.0	3.8	67.4	0.9	1.1	1.9	65.2	69.4
England	668	2.7	10.8	77.5	2.8	5.7	0.5	77.5	0.0	0.0	0.5	75.2	79.5
France	1128	7.2	13.0	70.1	2.1	4.9	2.6	70.1	1.6	0.5	0.6	68.3	72.3
Germany	1093	5.9	10.4	66.7	3.5	7.4	6.2	66.7	2.9	0.6	2.7	67.0	67.6
Greece	1495	22.5	13.7	37.7	6.2	14.4	5.5	37.7	2.1	0.2	3.1	38.1	37.3
Hong Kong	1283	2.2	5.5	83.9	3.3	4.5	0.6	83.9	0.0	0.0	0.6	82.5	85.0
Hungary	1141	11.3	17.0	54.8	6.4	2.4	8.0	54.8	0.0	0.5	7.5	51.2	58.3
Iceland	736	4.0	13.5	71.0	5.6	4.9	1.1	71.0	0.6	0.2	0.4	70.4	71.5
Iran, Islamic Rep.	1391	21.8	20.2	36.2	6.2	13.6	2.2	36.2	0.4	0.1	1.7	39.7	33.6
Ireland	1176	5.0	11.7	75.3	3.2	4.0	0.8	75.3	0.7	0.0	0.2	76.7	73.8
Israel	.	.	.	.	.	.	.	.	.	.	.	.	.
Japan	1928	1.9	8.5	82.2	2.6	4.4	0.4	82.2	0.4	0.0	0.0	83.1	81.4
Korea	1075	2.0	2.8	90.7	1.9	2.4	0.2	90.7	0.0	0.1	0.1	89.8	91.4
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	949	8.3	27.9	43.8	4.7	10.6	4.7	43.8	0.0	0.8	3.9	45.2	42.1
Lithuania	948	10.1	25.6	38.3	6.2	9.5	10.3	38.3	1.1	0.6	8.7	41.8	35.0
Netherlands	789	5.2	14.3	74.6	1.8	3.3	0.8	74.6	0.0	0.3	0.6	73.8	75.4
New Zealand	1179	6.0	11.1	73.2	3.4	5.9	0.3	73.2	0.1	0.1	0.1	73.6	72.8
Norway	919	6.1	13.5	68.9	2.5	7.8	1.2	68.9	0.0	0.3	0.9	67.5	70.2
Philippines	2204	6.8	24.6	49.7	4.1	14.3	0.5	49.7	0.0	0.1	0.5	49.1	50.2
Portugal	1241	7.4	19.9	60.4	3.0	7.0	2.3	60.4	0.0	0.2	2.1	56.9	64.0
Romania	1399	19.5	17.5	38.4	6.6	11.0	7.0	38.4	2.2	0.4	4.5	36.3	40.8
Russian Federation	1530	8.8	24.9	52.8	2.8	6.2	4.5	52.8	1.1	0.4	3.1	49.8	55.7
Scotland	1077	4.2	12.7	73.4	2.6	6.2	1.0	73.4	0.6	0.1	0.3	76.0	71.0
Singapore	1369	2.2	8.7	81.8	2.8	4.2	0.2	81.8	0.0	0.1	0.1	83.2	80.4
Slovak Republic	1338	5.0	21.2	58.8	4.4	7.3	3.3	58.8	1.6	0.3	1.4	60.1	57.4
Slovenia	1071	7.3	18.6	63.3	3.1	4.4	3.4	63.3	2.0	0.0	1.4	62.5	64.0
South Africa	1965	11.4	17.6	23.1	8.8	35.6	3.5	23.1	0.4	1.3	1.8	21.5	25.3
Spain	1387	11.3	18.7	48.9	4.8	11.5	4.8	48.9	0.0	0.1	4.7	48.5	49.3
Sweden	1055	5.6	16.0	68.2	3.6	5.5	1.2	68.2	0.5	0.1	0.6	69.4	66.7
Switzerland	1540	6.3	10.8	70.4	4.7	4.0	3.7	70.4	2.0	0.2	1.5	69.0	71.8
Thailand	2158	5.3	11.4	74.5	2.7	5.4	0.6	74.5	0.0	0.1	0.5	75.2	73.5
United States	1449	6.1	14.5	68.6	3.2	6.7	0.8	68.6	0.1	0.0	0.7	71.0	66.2
INTERNATIONAL AVG	.	7.6	14.8	62.8	4.0	7.8	3.0	62.8	0.7	0.3	1.9	62.6	63.2

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: H08 KEY: E
 Identify figure showing 2/3 shaded. (Fractions and number sense)
 Difficulty: 442

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2093	8.7	3.2	1.1	1.8	83.1	2.2	83.1	0.0	0.3	1.8	85.0	81.0
Austria	1122	8.8	4.2	1.2	2.3	79.5	3.9	79.5	0.8	0.1	3.1	78.4	80.4
Belgium (Fl)	1020	1.1	3.0	0.6	1.6	92.9	0.7	92.9	0.0	0.0	0.7	93.5	92.4
Belgium (Fr)	862	3.4	1.3	0.8	1.2	90.4	3.0	90.4	0.9	0.1	2.0	90.0	90.9
Bulgaria	636	16.5	9.7	2.4	2.6	62.8	6.0	62.8	0.4	0.1	5.5	63.7	61.8
Canada	3079	5.7	2.2	1.2	1.8	87.0	2.1	87.0	1.6	0.0	0.4	89.0	85.1
Colombia	998	34.9	11.9	2.8	3.0	33.2	14.2	33.2	1.4	3.3	9.5	33.5	32.8
Cyprus	1067	6.2	3.7	0.5	1.4	82.5	5.7	82.5	1.5	0.2	4.0	84.3	81.2
Czech Republic	1235	17.1	9.5	3.0	2.8	64.1	3.4	64.1	0.9	0.3	2.2	62.0	66.3
Denmark	700	13.8	6.0	0.8	2.7	68.6	8.2	68.6	4.0	1.2	3.0	65.8	71.5
England	668	15.0	5.5	0.9	1.3	74.6	2.7	74.6	0.0	0.0	2.7	73.9	75.2
France	1128	11.5	3.3	0.9	1.7	77.8	4.8	77.8	3.3	0.5	1.0	75.9	79.4
Germany	1093	14.3	5.1	2.2	1.4	66.8	10.1	66.8	6.2	0.6	3.3	65.9	68.5
Greece	1496	12.0	6.5	0.8	2.2	70.0	8.5	70.0	6.1	0.2	2.2	71.8	68.4
Hong Kong	1282	3.3	1.7	0.7	1.8	88.0	4.5	88.0	0.2	0.0	4.3	88.6	87.5
Hungary	1141	9.0	8.5	1.7	2.6	70.7	7.6	70.7	0.0	0.6	6.9	71.4	70.0
Iceland	736	8.1	6.2	1.8	3.2	76.1	4.6	76.1	1.9	0.2	2.5	75.9	76.3
Iran, Islamic Rep.	1391	7.6	6.9	2.1	5.6	74.6	3.3	74.6	0.9	0.1	2.3	72.6	76.1
Ireland	1176	8.1	2.3	0.9	1.9	85.3	1.4	85.3	1.0	0.0	0.5	85.6	85.0
Israel	.	.	.	.	.	.	.	.	.	.	.	.	.
Japan	1928	5.9	1.3	0.5	1.7	88.6	2.0	88.6	1.3	0.0	0.7	91.3	86.1
Korea	1075	6.5	4.2	0.3	2.2	86.6	0.3	86.6	0.0	0.1	0.2	83.9	88.6
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	949	30.2	8.7	2.0	2.4	52.1	4.5	52.1	0.0	0.8	3.7	50.3	54.0
Lithuania	948	46.9	5.5	1.8	2.4	33.1	10.3	33.1	0.7	0.8	8.8	35.0	31.2
Netherlands	789	2.6	2.6	0.6	1.8	90.5	1.9	90.5	0.0	0.3	1.6	93.1	87.6
New Zealand	1179	12.6	5.0	1.2	2.3	76.9	2.1	76.9	0.8	0.1	1.2	78.8	75.2
Norway	919	11.8	5.2	1.5	2.2	71.9	7.3	71.9	0.0	0.3	7.0	73.8	70.1
Philippines	2204	33.1	4.5	1.3	4.6	53.3	3.2	53.3	0.0	0.1	3.0	56.0	50.5
Portugal	1240	43.1	9.4	3.1	3.2	34.1	7.1	34.1	0.0	0.4	6.7	34.6	33.7
Romania	1395	33.0	13.8	2.4	2.1	35.2	13.6	35.2	3.6	0.4	9.5	34.0	36.6
Russian Federation	1530	24.5	7.7	2.0	2.0	59.7	4.1	59.7	0.3	0.4	3.4	61.2	58.2
Scotland	1077	12.2	5.1	2.3	2.9	73.9	3.7	73.9	2.2	0.2	1.3	76.2	72.0
Singapore	1369	2.2	0.9	0.5	1.7	93.6	1.2	93.6	0.0	0.1	1.1	94.0	93.2
Slovak Republic	1338	14.5	8.4	5.8	5.9	60.9	4.4	60.9	0.7	0.3	3.3	57.3	65.0
Slovenia	1071	16.2	6.8	2.0	1.9	70.4	2.7	70.4	1.3	0.0	1.4	68.0	73.0
South Africa	1965	35.9	11.7	4.7	3.9	26.3	17.6	26.3	0.5	1.5	15.6	27.8	24.9
Spain	1387	23.0	5.3	1.9	1.0	62.5	6.4	62.5	0.0	0.5	5.9	65.7	59.6
Sweden	1056	8.0	3.8	1.7	2.3	81.6	2.6	81.6	1.8	0.1	0.7	83.6	79.6
Switzerland	1540	7.2	3.9	1.0	1.8	83.2	2.9	83.2	1.5	0.2	1.2	83.4	82.9
Thailand	2158	11.6	1.1	0.6	0.6	85.0	1.1	85.0	0.0	0.1	1.0	85.4	84.0
United States	1449	9.8	3.7	1.4	1.2	81.9	2.0	81.9	0.1	0.0	2.0	85.4	78.6
INTERNATIONAL AVG	.	14.9	5.5	1.6	2.3	70.7	4.9	70.7	1.1	0.4	3.4	71.1	70.4

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: H09 KEY: B
 Identify sum which is closest to $691 + 208$. (Fractions and number sense)
 Difficulty: 370

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	2093	3.5	90.8	3.9	1.4	0.4	90.8	0.0	0.3	0.1	91.3	90.1
Austria	1122	5.4	87.8	4.1	1.5	1.2	87.8	0.0	0.1	1.1	86.7	88.3
Belgium (Fl)	1020	2.8	95.3	1.5	0.3	0.1	95.3	0.0	0.0	0.1	94.2	96.5
Belgium (Fr)	862	4.0	92.4	2.7	0.2	0.6	92.4	0.1	0.1	0.5	92.2	92.4
Bulgaria	636	6.9	81.9	5.9	2.4	2.9	81.9	0.0	0.1	2.8	82.2	81.7
Canada	3079	3.4	92.5	2.2	1.3	0.7	92.5	0.0	0.0	0.6	93.5	91.7
Colombia	998	25.0	54.7	9.0	4.1	7.2	54.7	0.5	4.5	2.2	50.8	59.2
Cyprus	1067	10.1	78.6	8.5	1.9	1.0	78.6	0.0	0.2	0.7	74.6	82.7
Czech Republic	1235	3.9	90.9	4.0	0.7	0.5	90.9	0.0	0.3	0.2	90.5	91.2
Denmark	700	6.3	84.4	5.4	1.9	2.0	84.4	0.0	1.4	0.6	82.2	86.9
England	668	8.8	84.4	4.0	2.5	0.3	84.4	0.0	0.0	0.3	84.9	83.9
France	1128	7.2	86.1	5.3	0.4	1.0	86.1	0.1	0.5	0.4	84.5	87.6
Germany	1093	7.2	83.6	4.6	1.2	3.5	83.6	0.2	0.7	2.6	82.4	84.3
Greece	1496	13.1	74.5	8.4	2.5	1.5	74.5	0.2	0.3	1.0	72.4	76.3
Hong Kong	1282	6.0	87.8	4.3	1.5	0.4	87.8	0.1	0.0	0.3	87.6	87.9
Hungary	1141	5.2	88.9	2.7	1.5	1.7	88.9	0.0	0.6	1.1	89.6	88.2
Iceland	736	6.3	87.3	3.8	1.3	1.3	87.3	0.0	0.3	1.0	87.8	86.9
Iran, Islamic Rep.	1391	31.3	51.6	11.8	4.2	1.0	51.6	0.1	0.1	0.9	43.6	57.5
Ireland	1176	5.8	88.5	4.3	0.9	0.5	88.5	0.2	0.0	0.4	87.5	89.5
Israel	.	.	.	.	.	.	.	.	.	.	.	.
Japan	1928	4.5	92.6	2.5	0.4	0.1	92.6	0.0	0.0	0.1	90.7	94.5
Korea	1075	5.2	90.6	3.6	0.5	0.1	90.6	0.0	0.1	0.0	88.1	92.5
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	949	10.7	78.5	6.5	2.1	2.2	78.5	0.0	0.8	1.4	77.0	80.3
Lithuania	948	13.1	71.8	9.1	1.7	4.3	71.8	0.2	0.9	3.2	74.1	69.6
Netherlands	789	5.2	90.7	2.6	1.0	0.5	90.7	0.0	0.3	0.2	88.9	92.7
New Zealand	1179	7.1	85.0	5.3	2.2	0.3	85.0	0.1	0.1	0.2	82.7	87.0
Norway	919	7.8	85.1	4.0	1.8	1.3	85.1	0.0	0.5	0.8	85.7	84.5
Philippines	2204	19.7	58.9	13.3	7.9	0.2	58.9	0.0	0.1	0.0	60.4	57.4
Portugal	1241	17.0	70.8	8.7	1.7	1.8	70.8	0.0	0.4	1.4	68.1	73.5
Romania	1399	14.7	73.0	6.2	2.8	3.3	73.0	1.1	0.6	1.5	70.7	75.5
Russian Federation	1530	7.0	80.3	9.3	1.8	1.6	80.3	0.0	0.5	1.1	79.0	81.5
Scotland	1077	6.8	84.7	5.1	2.5	0.9	84.7	0.1	0.4	0.4	85.3	84.6
Singapore	1369	1.6	95.9	2.1	0.4	0.1	95.9	0.0	0.1	0.0	96.2	95.6
Slovak Republic	1338	7.2	82.5	7.5	1.5	1.3	82.5	0.2	0.3	0.8	82.9	82.0
Slovenia	1071	7.6	87.0	3.7	1.0	0.7	87.0	0.2	0.0	0.5	85.4	88.6
South Africa	1965	22.4	39.9	16.0	16.0	5.7	39.9	0.6	1.6	3.5	38.5	41.8
Spain	1387	11.4	81.0	4.8	1.6	1.1	81.0	0.0	0.6	0.6	78.7	83.1
Sweden	1056	6.5	87.6	4.1	1.3	0.5	87.6	0.0	0.1	0.4	87.4	87.9
Switzerland	1540	4.7	89.5	4.0	1.0	0.9	89.5	0.0	0.2	0.6	86.8	92.1
Thailand	2158	11.7	82.0	4.8	0.8	0.7	82.0	0.0	0.1	0.6	80.5	83.9
United States	1449	2.9	90.9	4.4	1.1	0.7	90.9	0.0	0.0	0.7	91.6	90.2
INTERNATIONAL AVG	.	8.9	82.0	5.6	2.1	1.4	82.0	0.1	0.4	0.9	80.9	83.0

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: H10 KEY: D
 Identify equation expressing xy relationship from table of values. (Algebra)
 Difficulty: 587

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	2093	21.8	11.9	10.0	52.2	4.1	52.2	0.0	0.3	3.7	54.5	49.7
Austria	1122	28.0	14.0	14.9	33.1	10.0	33.1	0.3	0.1	9.6	32.7	33.0
Belgium (Fl)	1020	18.7	8.7	19.1	49.0	4.6	49.0	0.0	0.0	4.6	47.7	50.2
Belgium (Fr)	862	20.8	12.1	11.3	27.5	28.2	27.5	0.4	0.1	27.7	28.6	26.5
Bulgaria	636	26.0	6.2	8.3	52.0	7.6	52.0	0.0	0.1	7.4	53.2	50.6
Canada	3079	27.4	18.8	18.0	32.6	3.2	32.6	0.2	0.0	3.0	34.1	31.4
Colombia	998	28.2	16.3	17.8	17.0	20.7	17.0	0.5	4.8	15.3	15.1	19.0
Cyprus	1067	23.4	21.5	20.6	26.0	8.5	26.0	0.1	0.2	8.2	25.6	26.2
Czech Republic	1235	32.9	9.2	8.2	42.6	7.1	42.6	1.0	0.3	5.9	45.5	39.7
Denmark	700	19.7	10.9	12.9	29.4	27.1	29.4	1.2	1.4	24.6	28.9	29.2
England	668	23.5	16.6	18.4	38.5	2.9	38.5	0.0	0.0	2.9	34.4	42.1
France	1128	18.8	16.0	17.4	31.6	16.2	31.6	0.2	0.5	15.5	31.1	32.6
Germany	1093	20.7	12.0	10.5	25.5	31.4	25.5	0.7	1.1	29.6	26.1	25.2
Greece	1496	27.1	16.2	18.5	22.5	15.7	22.5	0.7	0.4	14.6	24.4	20.7
Hong Kong	1282	20.9	8.9	13.3	56.3	0.6	56.3	0.1	0.0	0.5	56.7	56.0
Hungary	1141	11.2	3.6	9.7	70.1	5.4	70.1	0.0	0.8	4.6	74.0	66.3
Iceland	736	36.7	22.5	17.7	14.8	8.3	14.8	0.2	0.5	7.6	15.7	13.9
Iran, Islamic Rep.	1391	24.5	22.3	22.4	22.8	7.9	22.8	0.0	0.1	7.9	20.1	24.9
Ireland	1176	29.5	19.9	13.8	31.6	5.3	31.6	0.6	0.0	4.7	30.9	32.3
Israel	.	.	.	.	.	.	.	.	.	.	.	.
Japan	1928	10.0	4.5	13.1	72.1	0.4	72.1	0.1	0.0	0.3	71.4	72.7
Korea	1075	4.6	2.0	11.7	81.5	0.2	81.5	0.0	0.1	0.1	78.2	84.0
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	949	32.6	15.0	9.2	30.6	12.5	30.6	0.0	0.9	11.6	35.7	25.2
Lithuania	948	32.1	10.2	5.1	27.0	25.6	27.0	0.8	1.2	23.7	29.0	25.0
Netherlands	789	13.9	13.4	18.8	50.0	3.8	50.0	0.0	0.3	3.6	51.7	48.0
New Zealand	1179	24.5	20.1	19.6	33.4	2.5	33.4	0.3	0.1	2.1	31.3	35.3
Norway	919	28.0	20.0	17.5	20.6	13.9	20.6	0.0	0.5	13.4	22.9	18.4
Philippines	2204	30.6	13.8	37.5	17.8	0.3	17.8	0.0	0.1	0.2	17.4	18.3
Portugal	1241	28.2	16.8	22.5	20.4	12.1	20.4	0.0	0.8	11.3	19.5	21.3
Romania	1394	35.8	10.9	11.9	25.4	16.0	25.4	6.4	0.8	8.7	27.7	22.8
Russian Federation	1530	26.2	7.4	5.5	49.7	11.2	49.7	0.3	0.5	10.3	49.0	50.4
Scotland	1077	22.3	18.0	17.1	38.7	3.9	38.7	0.2	0.4	3.3	39.6	38.1
Singapore	1369	14.7	10.2	21.4	50.8	2.8	50.8	0.0	0.1	2.8	47.9	53.6
Slovak Republic	1338	30.6	9.5	7.7	46.0	6.2	46.0	0.5	0.3	5.4	46.2	45.8
Slovenia	1071	30.0	12.7	8.2	41.6	7.4	41.6	0.6	0.0	6.8	43.7	39.4
South Africa	1965	25.1	25.6	25.5	16.4	7.4	16.4	0.9	1.6	4.8	16.3	16.7
Spain	1387	27.4	13.6	15.1	31.9	12.0	31.9	0.0	0.6	11.4	30.6	33.0
Sweden	1056	24.0	23.8	23.3	21.1	7.8	21.1	0.2	0.3	7.3	19.8	22.4
Switzerland	1540	18.5	15.5	21.9	28.6	15.5	28.6	0.7	0.3	14.4	26.8	30.0
Thailand	2158	34.3	12.2	9.3	43.1	1.1	43.1	0.0	0.1	1.0	43.0	43.1
United States	1449	26.0	18.0	18.0	35.9	2.1	35.9	0.0	0.0	2.1	36.4	35.4
INTERNATIONAL AVG	.	24.5	14.0	15.6	36.4	9.5	36.4	0.4	0.5	8.6	36.6	36.2

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: H11 KEY: C
 Predict number of total defective bulbs based on random sample. (Data Rep., Analysis & Prob.)
 Difficulty: 510

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2093	6.1	10.8	56.0	14.3	11.3	1.5	56.0	0.0	0.5	1.0	54.5	57.7
Austria	1122	3.1	11.2	60.1	10.9	13.4	1.3	60.1	0.0	0.1	1.2	57.1	63.5
Belgium (Fl)	1020	3.0	4.3	82.7	3.8	5.8	0.5	82.7	0.0	0.1	0.4	80.0	85.4
Belgium (Fr)	862	5.4	6.3	68.2	6.0	8.9	5.2	68.2	0.0	0.4	4.8	66.7	70.0
Bulgaria	636	5.1	7.7	64.4	8.0	9.8	5.0	64.4	0.2	0.1	4.7	64.0	64.9
Canada	3079	5.9	10.5	55.4	12.0	15.0	1.1	55.4	0.0	0.0	1.0	53.4	57.5
Colombia	998	18.0	9.5	30.3	10.9	19.5	11.8	30.3	0.3	5.1	6.3	25.7	34.4
Cyprus	1067	7.2	10.7	53.8	13.1	11.9	3.3	53.8	0.0	0.5	2.9	53.2	54.3
Czech Republic	1234	6.6	9.8	65.6	6.6	10.0	1.3	65.6	0.0	0.4	0.9	60.5	70.9
Denmark	700	6.2	10.3	46.5	16.3	12.7	7.9	46.5	0.0	2.7	5.2	41.5	52.5
England	668	5.8	11.5	51.1	18.1	11.7	1.7	51.1	0.0	0.0	1.7	46.6	54.9
France	1128	4.2	7.6	58.4	12.1	13.9	3.8	58.4	0.2	0.5	3.1	52.2	64.4
Germany	1093	5.5	7.1	63.6	9.8	9.3	4.7	63.6	0.3	1.4	2.9	61.0	66.5
Greece	1496	9.1	11.7	47.7	11.9	16.1	3.5	47.7	0.2	0.7	2.7	45.7	49.4
Hong Kong	1283	5.4	9.4	66.5	11.2	6.8	0.6	66.5	0.1	0.0	0.6	63.1	69.2
Hungary	1141	7.5	8.4	62.0	6.6	11.7	3.9	62.0	0.0	0.9	3.0	60.9	63.0
Iceland	736	4.4	9.3	49.0	18.8	15.8	2.7	49.0	0.4	0.7	1.6	45.1	52.7
Iran, Islamic Rep.	1391	24.1	9.2	39.4	11.1	14.9	1.3	39.4	0.0	0.1	1.2	31.6	45.1
Ireland	1176	4.8	10.3	60.2	7.8	14.9	1.9	60.2	0.2	0.0	1.8	58.4	62.1
Israel	.	.	.	.	.	.	.	.	.	.	.	.	.
Japan	1928	2.9	9.7	66.7	11.1	9.2	0.4	66.7	0.0	0.0	0.4	64.1	69.2
Korea	1075	6.0	3.7	78.3	5.0	6.5	0.4	78.3	0.0	0.1	0.3	72.7	82.5
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	949	7.8	11.7	54.8	11.2	11.5	3.0	54.8	0.0	1.1	1.9	51.6	58.4
Lithuania	948	11.1	12.6	38.3	6.8	17.4	13.7	38.3	0.0	2.8	10.9	35.6	41.1
Netherlands	789	2.4	5.5	76.0	7.9	7.3	0.9	76.0	0.0	0.3	0.6	73.1	79.0
New Zealand	1179	7.6	10.3	52.3	15.7	13.5	0.7	52.3	0.1	0.1	0.4	51.3	53.2
Norway	919	6.9	10.8	51.1	17.9	11.4	1.9	51.1	0.0	0.5	1.4	47.9	54.3
Philippines	2204	10.4	9.3	33.4	27.0	19.0	1.0	33.4	0.0	0.2	0.8	34.9	31.9
Portugal	1241	11.6	13.0	39.3	14.0	16.4	5.6	39.3	0.0	1.1	4.6	35.1	43.7
Romania	1398	8.3	9.3	50.5	9.0	17.2	5.8	50.5	0.8	1.5	3.5	46.9	54.6
Russian Federation	1530	5.6	10.9	57.7	6.2	14.9	4.6	57.7	0.0	1.4	3.2	53.4	61.9
Scotland	1077	6.3	12.6	48.8	15.0	15.7	1.6	48.8	0.0	0.4	1.2	48.4	49.4
Singapore	1369	3.2	5.7	73.4	6.5	10.5	0.6	73.4	0.0	0.1	0.6	69.9	76.9
Slovak Republic	1336	7.7	9.2	61.7	6.8	11.8	2.8	61.7	0.5	0.6	1.7	57.8	65.9
Slovenia	1071	8.3	8.2	63.2	8.2	11.2	0.9	63.2	0.0	0.0	0.9	60.2	66.3
South Africa	1965	8.4	9.2	27.7	21.9	27.8	4.9	27.7	0.2	1.8	2.9	26.2	29.4
Spain	1387	7.0	10.1	55.6	9.0	15.4	2.8	55.6	0.0	0.7	2.2	52.7	58.3
Sweden	1056	3.3	9.6	59.1	14.7	12.3	1.0	59.1	0.0	0.3	0.7	55.7	62.2
Switzerland	1540	4.7	6.2	69.8	7.3	8.8	3.2	69.8	0.2	0.6	2.4	63.2	76.1
Thailand	2158	3.8	4.8	68.4	4.4	18.2	0.5	68.4	0.0	0.1	0.4	65.5	72.7
United States	1449	7.9	11.9	48.7	11.4	19.2	0.9	48.7	0.1	0.0	0.8	45.2	52.2
INTERNATIONAL AVG	.	7.0	9.3	56.4	11.2	13.2	3.0	56.4	0.1	0.7	2.2	53.3	59.4

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: H12 KEY: B
 Select symbolic linear equation which fits word problem. (Algebra)
 Difficulty: 446

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2093	6.2	78.8	4.9	7.8	2.4	78.8	0.0	0.5	1.9	81.8	75.4
Austria	1122	6.7	77.1	5.2	7.8	3.3	77.1	0.0	0.1	3.2	79.2	74.5
Belgium (Fl)	1020	3.2	86.0	2.8	7.5	0.4	86.0	0.1	0.1	0.2	88.1	83.9
Belgium (Fr)	862	3.5	80.7	3.7	5.0	7.1	80.7	0.2	0.4	6.4	82.3	78.8
Bulgaria	636	4.6	73.7	6.2	7.8	7.8	73.7	0.4	0.3	7.1	75.0	72.1
Canada	3079	5.4	77.4	5.8	10.7	0.6	77.4	0.0	0.0	0.6	80.0	74.9
Colombia	998	12.8	37.3	11.9	16.8	21.2	37.3	0.6	5.8	14.7	35.8	38.6
Cyprus	1067	11.7	67.2	6.7	11.1	3.4	67.2	0.2	0.5	2.7	71.0	63.6
Czech Republic	1234	7.3	79.8	4.2	5.9	2.8	79.8	0.5	0.4	2.0	80.2	79.3
Denmark	700	11.7	57.5	10.7	6.3	13.9	57.5	0.6	3.1	10.2	55.5	59.6
England	668	7.7	68.5	7.7	14.7	1.4	68.5	0.0	0.0	1.4	67.8	69.1
France	1128	4.4	79.1	4.5	6.2	5.8	79.1	0.5	0.6	4.7	79.8	78.3
Germany	1093	9.2	65.4	5.0	5.9	14.5	65.4	0.5	1.6	12.4	67.8	63.2
Greece	1496	13.1	55.4	9.7	12.7	9.0	55.4	0.3	0.7	8.0	60.8	50.2
Hong Kong	1283	3.4	85.9	3.1	6.5	1.1	85.9	0.1	0.1	0.9	87.8	84.4
Hungary	1141	7.4	66.1	8.4	11.3	6.9	66.1	0.0	1.3	5.6	67.7	64.5
Iceland	736	12.3	62.9	8.7	11.0	5.0	62.9	0.0	0.7	4.3	67.1	59.0
Iran, Islamic Rep.	1381	15.1	42.8	17.8	20.7	3.6	42.8	0.0	0.1	3.4	43.4	42.4
Ireland	1176	5.4	80.4	4.8	7.4	2.0	80.4	0.8	0.0	1.3	82.3	78.4
Israel	.	.	.	.	.	.	.	.	.	.	.	.
Japan	1928	2.9	81.8	2.4	12.6	0.3	81.8	0.1	0.0	0.2	81.5	82.0
Korea	1075	3.5	77.1	4.9	14.5	0.1	77.1	0.0	0.1	0.0	77.1	77.1
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	949	9.2	60.1	9.3	14.2	7.1	60.1	0.0	1.1	6.0	64.5	55.2
Lithuania	948	9.7	47.4	9.8	15.1	18.0	47.4	0.2	3.4	14.5	53.8	41.1
Netherlands	789	5.7	80.9	4.3	7.2	1.9	80.9	0.0	0.3	1.6	84.3	77.2
New Zealand	1179	6.6	72.5	8.9	10.5	1.6	72.5	0.1	0.2	1.3	73.6	71.5
Norway	919	8.6	67.8	9.8	8.2	5.5	67.8	0.0	0.5	5.0	68.2	67.4
Philippines	2204	12.3	55.6	14.6	16.9	0.7	55.6	0.1	0.2	0.4	59.7	51.3
Portugal	1241	8.6	64.3	8.2	12.9	6.0	64.3	0.0	1.3	4.7	68.0	60.5
Romania	1398	11.9	58.3	8.1	10.2	11.6	58.3	2.6	1.6	7.4	60.4	55.9
Russian Federation	1530	4.9	72.1	4.4	13.2	5.4	72.1	0.2	1.9	3.3	70.2	73.8
Scotland	1077	5.9	67.4	9.4	14.9	2.4	67.4	0.0	0.4	2.0	69.5	65.7
Singapore	1369	1.5	93.3	1.0	3.9	0.4	93.3	0.0	0.1	0.3	93.2	93.5
Slovak Republic	1336	9.3	69.7	5.8	6.5	8.8	69.7	1.2	0.8	6.7	70.2	69.2
Slovenia	1071	9.0	73.7	5.5	6.2	5.6	73.7	0.4	0.0	5.3	74.9	72.4
South Africa	1965	12.0	34.2	19.8	27.2	6.9	34.2	0.6	1.9	4.4	33.6	35.3
Spain	1387	11.9	63.4	9.5	6.8	8.4	63.4	0.0	0.7	7.7	66.1	60.8
Sweden	1056	9.4	66.3	11.0	10.3	3.1	66.3	0.1	0.4	2.6	68.4	64.5
Switzerland	1540	8.8	70.1	6.6	8.4	6.2	70.1	0.3	0.6	5.2	72.0	68.2
Thailand	2158	7.2	69.9	10.4	11.8	0.7	69.9	0.1	0.1	0.5	70.1	69.6
United States	1449	7.4	77.2	7.6	7.4	0.4	77.2	0.0	0.1	0.3	78.5	75.9
INTERNATIONAL AVG	.	7.9	68.6	7.6	10.6	5.3	68.6	0.3	0.8	4.3	70.3	67.0

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: I01 KEY: B
 Identify meaning of symbol in word problem equation. (Algebra)
 Difficulty: 628

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	680	5.9	34.7	34.7	20.6	4.1	34.7	0.0	0.0	4.1	34.4	35.1
Austria	379	7.5	24.2	30.7	30.3	7.3	24.2	0.0	0.2	7.1	23.9	22.4
Belgium (Fl)	352	5.2	42.3	26.8	21.7	3.9	42.3	0.0	0.0	3.9	42.1	42.4
Belgium (Fr)	283	3.9	20.5	33.4	22.0	20.3	20.5	0.0	0.3	19.9	17.4	24.0
Bulgaria	255	9.6	39.0	23.6	18.0	9.8	39.0	0.0	0.6	9.3	30.5	48.0
Canada	1033	5.6	29.3	38.9	25.2	1.0	29.3	0.0	0.0	1.0	31.5	28.1
Colombia	325	9.4	17.5	34.0	33.7	5.5	17.5	0.0	1.0	4.5	22.9	12.6
Cyprus	394	9.2	24.1	34.6	24.9	7.2	24.1	0.0	0.2	7.0	20.4	27.7
Czech Republic	420	11.9	39.4	23.7	19.9	5.1	39.4	0.0	0.0	5.1	35.4	43.7
Denmark	274	6.7	16.5	29.6	26.0	21.1	16.5	0.0	0.4	20.8	13.6	21.5
England	215	5.4	37.4	31.7	22.4	3.1	37.4	0.0	0.0	3.1	33.9	39.8
France	380	4.6	29.7	33.7	23.3	8.7	29.7	0.0	0.0	8.7	27.3	32.9
Germany	364	7.9	20.7	24.0	29.5	17.8	20.7	0.5	0.0	17.3	19.3	22.1
Greece	484	5.7	19.9	35.2	32.2	7.0	19.9	0.2	0.7	6.2	21.1	18.3
Hong Kong	426	9.4	55.3	17.4	16.6	1.3	55.3	0.0	0.2	1.0	52.9	57.5
Hungary	391	6.6	34.2	25.1	23.8	10.2	34.2	0.0	0.2	10.0	31.7	36.7
Iceland	235	1.4	30.2	32.8	31.8	3.8	30.2	0.0	0.0	3.8	28.7	31.6
Iran, Islamic Rep.	475	8.3	22.9	20.4	44.9	3.4	22.9	0.1	0.3	3.0	22.0	23.8
Ireland	395	8.6	33.0	29.2	25.5	3.7	33.0	0.3	0.0	3.4	35.5	29.8
Israel	.	.	.	.	.	.	.	.	.	.	.	.
Japan	637	4.8	49.8	26.5	17.4	1.5	49.8	0.0	0.0	1.5	49.4	50.1
Korea	368	7.7	48.6	20.5	22.9	0.2	48.6	0.0	0.0	0.2	43.8	52.0
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	318	6.1	32.9	31.4	21.2	8.4	32.9	0.0	0.5	7.9	34.6	30.6
Lithuania	316	8.5	22.0	28.1	20.7	20.8	22.0	0.0	1.1	19.6	26.5	17.5
Netherlands	258	4.8	25.8	36.2	29.0	4.2	25.8	0.4	0.0	3.7	19.9	31.5
New Zealand	392	9.0	31.9	33.4	22.7	2.9	31.9	0.2	0.0	2.7	32.0	31.8
Norway	312	4.4	27.8	33.3	31.7	2.8	27.8	0.0	0.0	2.8	20.9	33.8
Philippines	730	15.1	19.9	23.2	41.6	0.3	19.9	0.0	0.0	0.3	15.5	24.7
Portugal	417	5.0	25.1	30.9	32.6	6.4	25.1	0.0	0.0	6.4	24.6	25.6
Romania	474	7.5	41.2	17.5	23.5	10.2	41.2	0.6	0.4	9.2	39.8	42.2
Russian Federation	510	11.1	36.5	24.5	21.4	6.6	36.5	0.0	0.0	6.6	33.6	39.9
Scotland	359	7.0	25.8	40.5	19.7	6.9	25.8	0.0	0.3	6.6	27.9	23.9
Singapore	473	10.5	45.6	20.6	21.6	1.7	45.6	0.0	0.0	1.7	40.9	50.7
Slovak Republic	451	8.1	32.4	26.2	25.5	7.8	32.4	1.4	0.0	6.3	34.5	30.2
Slovenia	365	5.0	32.6	31.6	24.1	6.8	32.6	0.5	0.0	6.3	33.7	31.1
South Africa	698	14.3	29.4	29.5	23.1	3.7	29.4	0.3	0.4	3.0	29.8	29.6
Spain	484	7.4	36.8	27.0	25.1	3.7	36.8	0.0	0.0	3.7	37.0	36.5
Sweden	330	6.8	21.0	44.1	24.8	3.3	21.0	0.0	0.0	3.3	19.6	22.7
Switzerland	521	5.1	28.4	25.7	35.3	5.5	28.4	0.0	0.0	5.5	28.0	28.9
Thailand	770	4.6	19.6	18.2	55.3	2.3	19.6	0.0	0.3	2.0	19.5	20.2
United States	477	5.9	26.4	38.9	26.3	2.4	26.4	0.0	0.0	2.4	25.8	27.0
INTERNATIONAL AVG	.	7.3	30.8	29.2	26.5	6.3	30.8	0.1	0.2	6.0	29.5	32.0

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: I02 KEY: C
 Solve multi-step word problem: common fractions. (Fractions and number sense)
 Difficulty: 530

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	680	9.3	8.8	59.7	15.2	5.0	2.0	59.7	0.0	0.4	1.6	58.8	60.5
Austria	379	10.1	13.2	54.5	13.6	3.1	5.5	54.5	0.0	0.2	5.3	53.7	55.5
Belgium (Fl)	352	5.9	5.5	78.7	4.2	4.5	1.1	78.7	0.0	0.0	1.1	77.5	80.1
Belgium (Fr)	283	7.8	7.6	61.0	7.0	8.6	8.0	61.0	0.0	0.3	7.6	60.2	60.7
Bulgaria	255	12.0	10.8	54.3	9.7	2.8	10.4	54.3	0.0	1.0	9.5	54.0	54.5
Canada	1033	13.4	10.1	52.6	15.7	6.9	1.2	52.6	0.0	0.0	1.2	51.7	53.7
Colombia	325	13.9	13.7	23.7	23.6	18.7	6.4	23.7	0.0	1.4	5.0	29.7	18.7
Cyprus	393	8.2	14.1	52.3	15.1	7.2	3.1	52.3	0.0	0.2	2.8	53.6	51.0
Czech Republic	420	13.7	13.4	56.5	10.4	2.5	3.6	56.5	0.1	0.0	3.5	50.1	63.5
Denmark	274	12.0	9.8	45.1	14.9	5.3	12.8	45.1	0.0	0.4	12.5	43.0	46.6
England	215	10.8	4.6	52.5	20.3	9.7	2.1	52.5	0.0	0.0	2.1	52.5	52.5
France	380	6.4	9.9	45.0	22.1	10.9	5.7	45.0	0.0	0.3	5.4	43.5	47.7
Germany	364	8.4	9.4	44.8	12.0	5.8	19.6	44.8	1.5	0.3	17.8	45.1	44.3
Greece	484	9.5	12.0	44.4	18.7	8.8	6.6	44.4	0.0	0.7	5.9	43.9	44.8
Hong Kong	426	5.4	6.2	75.7	7.3	4.4	1.0	75.7	0.2	0.2	0.5	74.9	76.5
Hungary	391	21.6	8.3	53.4	8.4	3.2	5.0	53.4	0.0	0.2	4.7	50.1	56.6
Iceland	235	9.4	9.6	49.9	23.9	4.3	3.0	49.9	0.7	0.0	2.4	44.7	55.0
Iran, Islamic Rep.	475	25.4	17.5	21.8	16.2	15.4	3.8	21.8	0.2	0.3	3.2	19.7	23.5
Ireland	395	4.2	3.7	69.5	10.6	10.5	1.5	69.5	0.5	0.0	1.0	67.4	72.1
Israel	.	.	.	.	.	.	.	.	.	.	.	.	.
Japan	637	10.1	10.0	72.9	5.7	0.5	0.9	72.9	0.0	0.0	0.9	72.0	73.7
Korea	368	11.4	10.6	71.5	3.5	2.7	0.2	71.5	0.0	0.0	0.2	71.1	71.9
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	318	20.8	14.0	44.6	9.3	3.0	8.4	44.6	0.0	0.5	7.9	39.8	49.2
Lithuania	316	9.4	10.5	31.3	18.3	4.0	26.6	31.3	0.0	1.4	25.1	37.0	25.6
Netherlands	258	9.3	8.2	69.3	9.6	3.6	0.0	69.3	0.0	0.0	0.0	63.4	74.9
New Zealand	392	8.5	10.4	52.8	18.5	8.7	1.0	52.8	0.2	0.0	0.8	53.9	51.7
Norway	313	11.9	11.6	50.6	19.8	3.8	2.3	50.6	0.0	0.1	2.1	49.5	51.5
Philippines	730	13.8	11.2	35.5	24.9	13.7	0.8	35.5	0.0	0.0	0.8	34.7	36.3
Portugal	417	24.9	14.3	37.4	14.3	4.7	4.4	37.4	0.0	0.0	4.4	38.2	36.6
Romania	474	19.9	7.8	38.8	14.0	5.6	13.8	38.8	0.8	0.4	12.6	32.6	44.7
Russian Federation	510	24.0	7.0	49.3	7.5	3.0	9.2	49.3	0.0	0.0	9.2	43.1	56.2
Scotland	359	9.8	9.4	53.5	18.3	5.3	3.8	53.5	0.0	0.3	3.5	47.5	60.0
Singapore	473	3.6	3.1	83.3	7.5	2.4	0.1	83.3	0.0	0.0	0.1	86.2	80.2
Slovak Republic	451	14.7	9.3	49.7	12.8	4.0	9.4	49.7	1.0	0.0	8.4	45.2	54.2
Slovenia	365	18.1	11.0	49.1	11.7	3.7	6.5	49.1	0.0	0.0	6.5	45.7	53.2
South Africa	698	13.5	9.3	20.2	26.9	26.5	3.6	20.2	0.7	0.5	2.3	19.8	20.6
Spain	484	18.6	9.1	40.1	21.4	5.9	5.0	40.1	0.0	0.0	5.0	40.8	39.3
Sweden	330	9.3	8.0	54.0	19.5	6.0	3.2	54.0	0.0	0.0	3.2	55.0	53.0
Switzerland	521	5.4	8.2	67.4	8.1	8.3	2.6	67.4	0.2	0.0	2.4	67.4	67.4
Thailand	770	13.6	6.2	59.9	13.6	4.6	2.1	59.9	0.0	0.3	1.7	60.1	59.7
United States	477	16.1	12.8	47.9	17.0	3.9	2.2	47.9	0.0	0.0	2.2	47.4	48.4
INTERNATIONAL AVG	.	12.4	9.8	51.9	14.3	6.5	5.2	51.9	0.2	0.2	4.8	50.6	53.2

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: I03 KEY: C
 Find number of 750 mL bottles filled by a large volume. (Measurement)
 Difficulty: 603

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	680	19.9	27.7	40.7	9.9	1.9	40.7	0.0	0.4	1.5	35.7	45.1
Austria	379	15.3	25.9	44.2	10.4	4.2	44.2	0.0	0.2	4.1	44.9	43.9
Belgium (Fl)	352	11.5	20.7	54.6	10.3	2.8	54.6	0.0	0.0	2.8	55.6	53.6
Belgium (Fr)	283	12.5	22.7	43.4	12.0	9.4	43.4	0.7	0.3	8.3	33.9	55.2
Bulgaria	255	10.1	28.1	38.6	8.3	14.8	38.6	0.5	1.0	13.4	40.0	36.1
Canada	1033	19.7	30.2	35.8	13.3	1.0	35.8	0.0	0.0	1.0	34.6	37.2
Colombia	325	21.8	27.6	30.8	12.4	7.4	30.8	0.2	1.4	5.8	37.7	24.8
Cyprus	393	27.4	34.5	25.1	10.3	2.7	25.1	0.0	0.2	2.5	20.4	29.7
Czech Republic	420	14.1	34.5	41.2	5.6	4.6	41.2	0.2	0.0	4.4	34.6	48.5
Denmark	274	15.6	26.3	39.1	8.8	10.2	39.1	0.0	0.4	9.8	30.5	45.8
England	215	19.0	28.3	36.7	14.6	1.4	36.7	0.0	0.0	1.4	28.3	42.5
France	380	15.3	27.8	37.3	12.6	7.0	37.3	0.3	0.3	6.3	33.1	43.0
Germany	364	18.2	24.1	38.7	9.1	10.0	38.7	0.2	0.3	9.4	29.0	48.4
Greece	484	24.4	35.8	25.2	7.3	7.3	25.2	0.2	0.7	6.4	21.4	29.4
Hong Kong	426	24.0	26.2	41.0	8.2	0.7	41.0	0.0	0.2	0.5	40.4	41.5
Hungary	391	20.5	18.4	35.7	18.2	7.2	35.7	0.3	0.2	6.7	35.3	36.1
Iceland	235	14.1	42.6	31.7	10.5	1.1	31.7	0.0	0.0	1.1	31.2	32.2
Iran, Islamic Rep.	475	28.8	34.9	23.3	9.5	3.4	23.3	0.0	0.3	3.1	24.9	21.6
Ireland	395	18.7	29.7	37.3	12.2	2.1	37.3	0.3	0.0	1.8	36.5	38.4
Israel	.	.	.	.	.	.	.	.	.	.	.	.
Japan	637	20.6	33.9	38.3	6.0	1.2	38.3	0.0	0.0	1.2	33.9	42.5
Korea	368	22.4	39.0	31.4	6.9	0.2	31.4	0.0	0.0	0.2	29.7	32.7
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	318	19.8	25.6	39.9	9.4	5.4	39.9	0.0	0.5	4.8	31.3	48.3
Lithuania	316	11.7	22.9	28.2	6.2	31.0	28.2	0.0	3.1	27.9	27.4	29.1
Netherlands	258	10.6	27.6	45.6	16.2	0.0	45.6	0.0	0.0	0.0	43.2	47.9
New Zealand	392	16.0	29.8	39.1	13.5	1.6	39.1	0.0	0.0	1.6	34.5	43.4
Norway	313	10.6	20.1	48.2	20.6	0.5	48.2	0.0	0.1	0.4	36.9	57.9
Philippines	.	.	.	.	.	.	.	.	.	.	.	.
Portugal	417	10.1	35.0	41.0	9.8	4.0	41.0	0.0	0.0	4.0	33.7	48.8
Romania	474	16.2	24.8	35.1	11.1	12.8	35.1	1.6	0.4	10.8	34.7	35.1
Russian Federation	510	16.4	24.0	40.3	9.3	10.0	40.3	0.2	0.0	9.8	33.1	48.3
Scotland	359	19.5	37.9	30.2	9.0	3.4	30.2	0.0	0.3	3.2	26.6	34.0
Singapore	473	14.3	18.9	58.1	7.3	1.3	58.1	0.0	0.0	1.3	60.1	55.9
Slovak Republic	451	18.3	24.2	42.5	10.0	5.0	42.5	0.6	0.0	4.4	38.6	46.6
Slovenia	365	20.8	24.0	34.2	11.8	9.1	34.2	0.2	0.0	8.9	30.1	39.3
South Africa	698	11.9	25.1	33.9	26.0	3.1	33.9	0.1	1.1	2.0	32.1	36.9
Spain	484	14.3	30.1	38.0	12.6	5.0	38.0	0.0	0.0	5.0	36.6	39.6
Sweden	330	9.9	22.7	44.1	20.3	3.0	44.1	0.0	0.0	3.0	35.0	54.5
Switzerland	521	7.2	18.4	57.8	15.8	0.8	57.8	0.2	0.0	0.6	50.9	64.4
Thailand	770	25.2	30.6	30.7	12.0	1.4	30.7	0.2	0.3	1.0	30.0	32.0
United States	477	15.5	33.1	29.7	18.1	3.6	29.7	0.0	0.0	3.6	27.8	31.6
INTERNATIONAL AVG	.	17.0	28.0	38.1	11.7	5.2	38.1	0.2	0.3	4.7	34.7	41.6

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: I04
 Determine next number which occurs in two number sequences. (Algebra)
 Difficulty: 591

COUNTRY	N	10	70	71	72	73	74	75	79	90	99	V1	NOT	OMIT	1.GIRL	2.BOY
													REACH		% Right	% Right
													ED			
Australia	680	39.4	13.5	7.4	0.6	0.9	1.7	0.1	23.7	3.3	9.4	39.4	0.4	9.1	45.7	33.7
Austria	379	48.4	3.3	4.9	0.8	1.2	2.3	0.8	23.9	2.7	11.7	48.4	0.2	11.5	56.7	40.7
Belgium (Fl)	352	56.7	0.9	5.8	1.6	1.2	2.9	2.3	22.0	0.9	5.7	56.7	0.0	5.7	57.5	55.9
Belgium (Fr)	283	42.7	0.0	0.0	0.0	0.0	0.0	0.0	28.0	0.0	29.3	42.7	0.3	28.9	41.9	42.7
Bulgaria	255	33.7	0.4	1.3	1.3	0.0	1.1	1.6	20.3	2.6	37.7	33.7	1.0	36.7	34.8	33.2
Canada	1033	46.8	10.5	3.2	1.2	1.3	2.2	0.0	27.4	1.3	6.1	46.8	0.0	6.1	48.4	45.3
Colombia	325	23.6	11.6	2.8	7.0	1.3	1.3	0.8	30.5	0.1	21.0	23.6	1.4	19.6	28.8	19.1
Cyprus	393	25.3	0.9	1.6	0.5	0.6	0.8	1.5	29.8	0.6	38.5	25.3	0.2	38.3	29.5	21.2
Czech Republic	420	45.0	4.4	5.4	2.4	1.5	1.2	1.2	22.6	3.2	13.2	45.0	0.0	13.2	46.4	43.4
Denmark	274	38.9	10.9	4.9	1.4	0.9	1.9	1.5	17.0	0.5	22.0	38.9	0.4	21.6	42.2	34.4
England	215	41.1	6.0	5.3	1.8	1.3	1.5	0.0	33.4	1.7	8.0	41.1	0.0	8.0	41.7	40.7
France	379	41.9	4.7	2.8	0.6	0.6	1.4	1.7	26.5	0.7	19.0	41.9	0.3	18.7	47.1	35.7
Germany	364	41.9	3.3	4.4	2.0	0.8	3.1	0.7	19.1	2.2	22.5	41.9	0.3	22.2	43.8	39.3
Greece	484	32.2	11.8	5.5	0.8	0.9	0.6	0.9	23.9	3.3	20.2	32.2	0.7	19.5	35.2	29.4
Hong Kong	425	37.3	0.6	6.2	1.7	0.5	1.6	0.0	44.0	0.8	7.2	37.3	0.2	7.0	40.0	34.9
Hungary	391	42.0	0.7	1.8	2.3	2.6	2.3	3.9	24.9	0.9	18.6	42.0	0.2	18.3	49.0	35.2
Iceland	235	26.6	16.8	4.0	1.3	0.6	1.0	1.1	30.2	3.8	14.5	26.6	0.0	14.5	29.6	23.8
Iran, Islamic Rep.	475	20.0	6.5	2.4	1.7	1.5	0.8	0.6	36.5	0.1	29.9	20.0	0.3	29.6	24.5	16.5
Ireland	395	51.7	4.8	4.0	0.6	1.0	2.2	0.0	27.3	2.7	5.7	51.7	0.0	5.7	53.7	49.2
Israel	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Japan	637	51.6	1.0	3.2	1.1	0.9	2.6	0.0	32.4	0.1	7.2	51.6	0.0	7.2	49.2	53.8
Korea	368	62.6	0.0	1.0	1.5	1.9	5.2	0.0	23.7	0.0	4.2	62.6	0.0	4.2	63.8	61.8
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	318	25.9	7.4	3.9	3.0	1.0	1.1	0.2	27.9	2.8	26.7	25.9	0.5	26.2	26.1	25.9
Lithuania	316	22.8	3.7	5.1	1.3	1.4	0.9	1.2	24.2	1.7	37.6	22.8	3.1	34.5	21.3	24.3
Netherlands	258	36.5	2.9	2.7	2.3	1.0	6.3	1.6	36.6	4.8	5.3	36.5	0.0	5.3	36.6	36.3
New Zealand	392	30.4	17.7	4.7	0.2	1.0	2.2	1.2	32.7	0.6	9.3	30.4	0.0	9.3	30.5	30.3
Norway	313	40.2	1.7	5.6	0.7	1.4	1.8	0.5	26.4	7.0	14.8	40.2	0.1	14.7	48.0	33.6
Philippines	730	16.8	15.1	3.0	1.9	0.5	0.0	0.0	46.0	3.3	13.3	16.8	0.0	13.3	16.6	17.2
Portugal	417	16.0	11.9	4.0	5.5	1.3	0.4	0.8	29.4	2.3	28.4	16.0	0.0	28.4	19.2	12.7
Romania	474	34.0	6.3	2.6	2.2	1.0	1.3	1.3	25.5	0.2	25.6	34.0	0.4	25.2	37.0	31.2
Russian Federation	510	40.0	4.3	1.3	1.0	2.4	2.5	0.9	21.0	0.3	26.4	40.0	0.0	26.4	41.9	37.9
Scotland	359	33.3	8.3	7.1	1.7	0.3	2.5	0.0	30.8	2.6	13.5	33.3	0.3	13.2	36.7	30.0
Singapore	473	51.2	8.7	2.4	1.2	0.1	1.8	0.0	26.6	0.2	7.7	51.2	0.0	7.7	54.2	48.1
Slovak Republic	451	36.6	6.6	3.9	1.2	0.5	2.1	2.6	22.2	4.0	20.4	36.6	0.0	20.4	39.4	33.8
Slovenia	365	38.0	3.5	1.6	2.0	2.1	1.8	0.4	31.8	2.0	16.7	38.0	0.0	16.7	39.7	35.9
South Africa	698	4.8	6.9	8.7	10.6	3.5	0.5	1.5	47.1	0.8	15.6	4.8	1.1	14.6	4.5	5.3
Spain	484	35.3	16.1	3.4	1.3	0.9	1.8	3.1	26.5	0.2	11.3	35.3	0.0	11.3	37.3	33.2
Sweden	330	37.6	9.3	4.4	2.2	1.2	1.4	0.6	28.8	5.1	9.3	37.6	0.0	9.3	41.5	33.2
Switzerland	521	50.4	1.0	3.5	0.9	0.8	5.1	1.7	24.8	2.0	9.8	50.4	0.0	9.8	53.0	47.9
Thailand	770	36.3	18.6	5.4	0.2	1.0	2.2	1.2	27.2	0.4	7.5	36.3	0.5	7.0	36.8	36.2
United States	477	38.8	12.2	3.3	1.2	1.5	1.2	0.5	33.4	0.9	7.0	38.8	0.0	7.0	44.8	33.2
INTERNATIONAL AVG	.	36.9	6.9	3.9	1.8	1.1	1.9	1.0	28.4	1.8	16.4	36.9	0.3	16.1	39.4	34.4

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: I05 KEY: B
 Solve subtraction word problem: rational numbers. (Fractions and number sense)
 Difficulty: 448

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	680	6.7	68.7	5.9	17.0	1.7	68.7	0.0	0.4	1.4	72.8	65.0
Austria	379	5.7	75.6	7.9	9.2	1.5	75.6	0.0	0.2	1.3	76.8	75.5
Belgium (Fl)	352	2.9	86.2	4.9	5.0	1.0	86.2	0.0	0.0	1.0	89.6	82.5
Belgium (Fr)	283	3.5	74.7	7.4	10.2	4.2	74.7	0.1	0.3	3.7	75.7	72.7
Bulgaria	255	4.4	73.6	10.0	5.9	6.1	73.6	0.0	1.0	5.2	75.5	71.4
Canada	1033	6.5	74.1	6.9	12.1	0.4	74.1	0.1	0.0	0.2	79.8	69.1
Colombia	325	18.1	41.9	11.8	22.6	5.6	41.9	0.6	2.3	2.7	44.1	40.3
Cyprus	393	12.8	58.8	10.6	16.0	1.8	58.8	0.6	0.2	0.9	65.5	52.2
Czech Republic	420	6.7	75.8	5.5	8.6	3.5	75.8	0.4	0.3	2.8	78.5	72.8
Denmark	274	9.4	58.0	9.5	18.8	4.4	58.0	0.0	0.4	4.0	53.4	61.2
England	215	10.7	47.2	10.6	31.1	0.5	47.2	0.0	0.0	0.5	47.6	47.0
France	379	7.1	72.6	9.2	9.7	1.4	72.6	0.0	0.6	0.8	72.7	72.5
Germany	364	6.5	70.5	7.7	11.8	3.6	70.5	0.2	0.3	3.1	72.2	68.2
Greece	484	8.6	63.3	12.3	11.8	4.0	63.3	0.6	0.7	2.7	68.9	58.2
Hong Kong	426	6.1	74.9	11.7	5.4	2.0	74.9	0.0	0.2	1.7	75.8	74.0
Hungary	391	5.7	73.5	8.4	8.8	3.6	73.5	0.2	0.2	3.2	78.5	68.5
Iceland	235	10.4	64.5	9.0	14.8	1.3	64.5	0.0	0.0	1.3	68.6	60.5
Iran, Islamic Rep.	475	10.1	48.2	15.6	21.5	4.6	48.2	0.0	0.7	3.9	48.8	48.1
Ireland	395	5.0	82.2	6.6	5.7	0.5	82.2	0.0	0.0	0.5	82.2	82.2
Israel	.	.	.	.	.	.	.	.	.	.	.	.
Japan	637	2.7	83.5	9.4	4.3	0.1	83.5	0.0	0.0	0.1	86.8	80.6
Korea	368	1.5	89.5	6.7	2.3	0.0	89.5	0.0	0.0	0.0	89.2	89.8
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	318	12.6	59.1	10.1	12.8	5.4	59.1	0.0	0.5	4.9	60.7	57.9
Lithuania	316	8.2	57.1	8.9	13.4	12.4	57.1	0.0	3.4	8.9	64.9	49.4
Netherlands	258	14.4	60.0	10.4	14.5	0.7	60.0	0.0	0.0	0.7	60.1	59.9
New Zealand	392	9.2	65.6	8.3	16.3	0.6	65.6	0.0	0.0	0.6	74.3	57.3
Norway	313	4.8	63.5	12.0	18.4	1.3	63.5	0.0	0.1	1.2	75.7	53.1
Philippines	730	7.7	64.0	13.3	14.2	0.8	64.0	0.0	0.0	0.8	65.8	61.9
Portugal	417	9.3	50.1	13.1	24.1	3.4	50.1	0.0	0.0	3.4	50.3	49.8
Romania	474	8.5	57.5	13.7	11.2	9.2	57.5	0.4	0.4	8.3	59.8	55.6
Russian Federation	510	4.5	77.3	7.0	6.4	4.8	77.3	0.0	0.0	4.8	76.2	78.6
Scotland	359	7.9	61.4	11.2	17.5	2.0	61.4	0.0	0.3	1.8	59.5	63.2
Singapore	473	1.7	89.3	8.0	0.7	0.3	89.3	0.0	0.1	0.2	93.2	85.2
Slovak Republic	451	8.9	68.5	9.0	12.4	1.3	68.5	0.2	0.0	1.0	76.0	61.0
Slovenia	365	6.1	72.3	8.8	11.2	1.6	72.3	0.0	0.0	1.6	74.0	70.2
South Africa	698	13.5	32.9	22.8	25.3	5.5	32.9	0.2	1.4	3.9	31.0	34.4
Spain	484	6.6	71.9	8.3	12.5	0.7	71.9	0.0	0.1	0.6	72.6	71.2
Sweden	330	9.9	62.7	10.3	15.1	2.0	62.7	0.0	0.0	2.0	64.6	60.3
Switzerland	521	2.8	84.9	6.7	4.7	0.9	84.9	0.0	0.0	0.8	83.4	86.4
Thailand	770	3.2	83.6	8.0	4.1	1.2	83.6	0.0	0.5	0.7	84.5	81.9
United States	477	4.4	72.8	7.5	13.8	1.5	72.8	0.0	0.0	1.5	76.1	69.7
INTERNATIONAL AVG	.	7.4	67.8	9.6	12.5	2.7	67.8	0.1	0.4	2.2	70.1	65.5

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: I06
 Write a fraction larger than a given number. (Fractions and number sense)
 Difficulty: 427

COUNTRY	N	10	11	12	13	19	70	71	72	79	90	99	V1	NOT	OMIT	1.GIRL	2.BOY
														REACH		% Right	% Right
														ED			
Australia	680	43.8	1.0	2.6	12.4	16.4	1.0	4.5	4.0	7.6	0.7	6.0	76.2	0.4	5.6	75.3	76.9
Austria	379	56.7	3.2	1.9	12.4	15.1	2.4	0.4	2.6	2.1	0.2	3.1	89.2	0.2	2.9	90.3	88.8
Belgium (Fl)	352	46.7	7.0	0.5	5.7	22.4	11.7	0.5	0.3	3.9	0.0	1.2	82.4	0.0	1.2	83.2	81.4
Belgium (Fr)	283	0.0	0.0	0.0	0.0	69.9	0.0	0.0	0.0	23.9	0.0	6.2	69.9	0.3	5.9	69.4	70.8
Bulgaria	255	40.1	7.3	5.4	3.3	9.2	6.1	0.3	1.9	7.3	0.0	19.1	65.3	1.0	18.1	67.9	63.9
Canada	1033	35.6	1.0	4.7	12.6	20.5	0.8	12.0	1.3	6.8	0.5	4.0	74.5	0.0	4.0	71.7	76.3
Colombia	325	7.5	0.6	18.2	3.1	36.4	0.3	6.2	3.9	10.3	0.3	13.1	65.9	2.3	10.8	71.4	61.0
Cyprus	393	43.2	2.0	3.4	16.4	15.1	4.3	1.8	1.9	3.1	0.0	8.9	80.1	0.2	8.7	80.4	79.7
Czech Republic	420	37.0	3.7	8.8	6.5	25.1	2.3	1.6	4.2	3.5	0.8	6.4	81.1	0.3	6.1	81.2	81.1
Denmark	274	28.2	0.3	9.4	9.4	16.6	7.4	2.3	3.7	9.2	0.6	13.0	63.9	0.4	12.6	68.6	60.4
England	215	34.0	3.1	8.2	14.6	18.7	0.4	2.8	12.4	5.0	0.0	0.9	78.6	0.0	0.9	80.8	77.1
France	379	30.7	4.7	5.2	6.3	19.4	7.3	8.0	7.0	8.2	0.0	3.2	66.3	0.6	2.7	67.5	64.9
Germany	364	41.6	3.4	5.4	12.3	16.9	4.2	0.6	3.6	4.6	0.0	7.4	79.6	0.3	7.1	77.2	82.1
Greece	484	42.2	4.4	9.9	6.8	18.3	5.0	1.0	2.3	4.5	0.8	4.8	81.6	0.7	4.1	83.5	80.6
Hong Kong	425	57.9	3.2	1.5	12.7	10.7	4.5	0.5	1.9	3.8	0.8	2.6	86.0	0.2	2.3	82.1	89.5
Hungary	391	40.3	4.7	2.2	7.2	30.5	3.7	1.0	1.6	5.7	0.0	3.1	84.9	0.4	2.7	84.2	85.6
Iceland	235	52.2	7.3	1.8	8.3	12.3	4.9	0.0	6.4	3.7	0.5	2.6	81.9	0.0	2.6	86.6	77.2
Iran, Islamic Rep.	475	26.4	0.4	11.0	0.5	0.2	2.8	17.5	1.6	27.3	0.1	12.3	38.5	0.7	11.6	39.9	37.3
Ireland	395	42.1	2.6	1.1	19.0	18.6	4.8	1.7	1.1	5.2	0.7	3.1	83.4	0.0	3.1	81.3	86.1
Israel	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Japan	637	64.5	3.5	0.9	8.0	8.3	7.8	1.1	2.3	2.2	0.0	1.2	85.3	0.0	1.2	84.2	86.3
Korea	368	65.1	1.8	1.5	3.5	4.9	7.6	1.9	1.1	8.4	0.0	4.3	76.7	0.0	4.3	68.4	82.6
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	318	34.1	7.6	3.2	7.7	7.2	9.3	1.5	1.1	12.8	1.2	14.1	59.9	0.5	13.6	61.9	57.6
Lithuania	316	17.4	5.3	11.8	5.0	21.3	5.2	1.2	4.6	8.8	0.2	19.1	60.9	3.4	15.7	63.9	57.8
Netherlands	258	41.3	3.0	0.0	25.0	16.8	4.6	2.6	1.7	3.7	0.0	1.3	86.1	0.0	1.3	84.5	87.8
New Zealand	392	38.4	1.6	3.3	14.6	23.4	2.2	3.0	4.9	5.3	0.0	3.3	81.2	0.0	3.3	84.1	78.5
Norway	313	40.6	3.8	6.8	5.3	16.3	8.3	5.3	3.0	3.1	1.8	5.6	72.8	0.1	5.4	72.8	72.9
Philippines	730	20.0	2.2	6.4	5.9	12.6	7.9	12.7	4.0	15.6	3.4	9.2	47.1	0.0	9.2	45.6	48.8
Portugal	417	13.6	3.2	15.0	5.3	24.8	3.0	3.4	5.1	15.0	0.6	11.0	61.9	0.0	11.0	66.4	57.2
Romania	474	30.8	4.2	7.8	6.7	11.5	4.4	1.1	2.6	15.5	0.0	15.3	61.1	0.4	14.8	61.3	61.2
Russian Federation	510	31.1	5.0	11.0	9.4	21.9	4.3	1.4	3.9	7.0	0.4	4.7	78.4	0.0	4.7	80.0	76.6
Scotland	359	32.1	3.1	3.4	17.2	20.0	1.6	1.3	8.3	6.1	0.6	6.2	75.8	0.3	6.0	74.1	77.5
Singapore	473	56.3	2.0	1.6	15.3	9.2	4.7	3.4	0.4	5.3	0.0	1.8	84.4	0.1	1.7	81.6	87.3
Slovak Republic	451	42.8	4.0	6.0	7.3	19.8	1.7	2.0	5.7	4.8	0.4	5.3	80.0	0.0	5.3	78.3	81.8
Slovenia	365	50.7	3.3	3.3	8.1	11.4	4.6	0.8	2.2	10.3	0.2	5.1	76.8	0.0	5.1	78.1	75.2
South Africa	698	13.9	1.1	5.1	8.4	16.4	1.6	8.3	0.8	33.2	0.9	10.2	44.8	1.4	8.9	45.8	43.0
Spain	484	14.8	3.1	15.6	5.2	32.3	3.0	4.9	3.8	13.1	0.0	4.2	71.0	0.1	4.1	65.4	77.1
Sweden	330	33.5	5.5	4.1	12.5	17.9	5.5	0.0	6.9	4.8	3.5	5.7	73.6	0.0	5.7	75.9	70.8
Switzerland	521	41.7	4.6	2.0	14.2	18.1	4.1	3.7	2.3	5.3	0.5	3.5	80.6	0.0	3.4	79.0	82.1
Thailand	770	18.4	1.5	9.4	16.3	22.1	2.1	15.3	0.7	8.5	0.3	5.5	67.6	0.5	5.0	65.5	70.2
United States	477	38.8	1.6	4.4	18.8	15.4	1.9	6.2	1.4	7.8	0.9	2.8	79.0	0.0	2.8	76.6	81.2
INTERNATIONAL AVG	.	36.2	3.3	5.6	9.7	18.6	4.2	3.6	3.2	8.6	0.5	6.5	73.4	0.4	6.1	73.4	73.4

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: I07 KEY: A
 Recognize when estimation is appropriate. (Fractions and number sense)
 Difficulty: 495

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	680	72.0	12.2	7.5	6.9	1.4	72.0	0.0	0.8	0.6	78.5	66.1
Austria	379	60.4	8.8	19.3	8.7	2.8	60.4	0.0	0.2	2.6	64.8	55.8
Belgium (Fl)	352	67.7	5.7	19.8	5.5	1.5	67.7	0.4	0.0	1.1	71.5	63.4
Belgium (Fr)	283	67.4	10.1	16.2	4.7	1.7	67.4	0.0	0.3	1.4	67.6	66.0
Bulgaria	255	55.0	6.6	15.7	18.1	4.6	55.0	0.4	1.4	2.9	55.0	54.5
Canada	1033	81.1	6.4	6.0	5.4	1.1	81.1	0.0	0.1	1.1	86.4	76.5
Colombia	325	38.1	14.3	24.4	16.0	7.3	38.1	0.3	2.3	4.7	39.8	36.3
Cyprus	393	35.0	23.7	19.9	18.6	2.8	35.0	0.0	0.4	2.5	36.4	33.6
Czech Republic	420	68.6	8.8	6.9	15.0	0.7	68.6	0.0	0.3	0.4	65.6	71.9
Denmark	274	48.1	18.1	19.0	9.4	5.3	48.1	0.7	0.8	3.8	49.4	48.0
England	215	75.0	6.7	8.6	9.3	0.4	75.0	0.0	0.0	0.4	79.8	71.7
France	380	56.1	7.3	20.5	14.1	2.1	56.1	0.2	0.8	1.0	57.9	56.8
Germany	364	64.9	9.0	15.2	6.4	4.6	64.9	0.3	0.3	4.0	61.5	68.3
Greece	484	52.6	11.7	15.4	17.5	2.9	52.6	0.2	0.7	2.0	57.2	47.9
Hong Kong	426	63.4	6.3	11.7	17.7	0.9	63.4	0.0	0.2	0.7	68.1	59.0
Hungary	391	79.8	5.2	3.6	9.4	2.0	79.8	0.0	0.4	1.6	81.2	78.3
Iceland	235	64.9	8.9	16.4	7.9	1.9	64.9	0.0	0.0	1.9	64.6	65.3
Iran, Islamic Rep.	475	31.5	25.8	9.8	28.7	4.1	31.5	0.4	0.7	3.0	29.2	33.6
Ireland	395	75.5	6.6	10.3	7.1	0.5	75.5	0.3	0.0	0.3	79.1	71.1
Israel	.	.	.	.	.	.	.	.	.	.	.	.
Japan	637	69.5	3.0	12.8	13.8	0.9	69.5	0.0	0.0	0.9	77.2	62.5
Korea	368	52.3	9.2	17.2	20.9	0.4	52.3	0.0	0.0	0.4	52.0	52.5
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	318	57.6	12.3	17.9	9.1	3.1	57.6	0.0	0.5	2.6	59.7	55.9
Lithuania	316	43.2	11.1	9.5	29.9	6.3	43.2	0.0	3.4	2.8	42.9	43.6
Netherlands	258	54.7	13.1	18.5	13.3	0.4	54.7	0.0	0.0	0.4	60.2	49.3
New Zealand	392	70.3	12.3	7.2	9.2	1.0	70.3	0.2	0.0	0.8	77.4	63.6
Norway	312	51.6	11.3	11.0	23.8	2.3	51.6	0.0	0.6	1.8	62.2	42.7
Philippines	731	51.3	19.2	10.1	18.7	0.7	51.3	0.0	0.0	0.7	56.2	45.8
Portugal	417	47.2	13.5	12.6	24.7	1.9	47.2	0.2	0.0	1.6	54.4	39.7
Romania	473	38.7	5.9	23.0	25.8	6.6	38.7	2.3	0.4	3.9	36.4	41.2
Russian Federation	510	53.0	4.3	16.5	20.8	5.5	53.0	0.2	0.0	5.2	53.1	52.9
Scotland	359	73.3	6.9	8.2	10.4	1.2	73.3	0.0	0.3	1.0	73.9	72.6
Singapore	473	75.9	9.8	5.0	8.9	0.4	75.9	0.0	0.1	0.3	78.1	73.7
Slovak Republic	451	71.6	5.2	12.0	7.6	3.7	71.6	0.7	0.0	3.1	76.6	66.5
Slovenia	365	42.3	10.8	22.1	20.3	4.5	42.3	1.7	0.0	2.8	49.4	33.7
South Africa	698	46.1	11.3	12.7	26.7	3.2	46.1	0.3	1.4	1.5	44.5	49.3
Spain	484	45.8	8.0	21.3	23.4	1.5	45.8	0.0	0.1	1.4	48.9	42.3
Sweden	330	70.5	5.6	14.7	8.7	0.5	70.5	0.2	0.0	0.3	79.3	60.5
Switzerland	521	63.2	10.5	16.9	8.7	0.7	63.2	0.0	0.0	0.7	68.4	58.2
Thailand	770	58.6	7.7	19.8	11.8	2.1	58.6	0.0	0.5	1.7	59.7	56.6
United States	477	81.5	4.5	6.1	6.9	0.8	81.5	0.0	0.0	0.8	88.5	74.9
INTERNATIONAL AVG	.	59.4	9.9	14.0	14.2	2.4	59.4	0.2	0.4	1.8	62.3	56.6

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: I08 KEY: C
 Identify point on a line defined by two other points. (Geometry)
 Difficulty: 597

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	680	18.3	19.0	47.1	4.6	5.6	5.3	47.1	0.0	0.8	4.5	41.6	52.1
Austria	379	10.6	25.3	46.3	3.4	2.0	12.4	46.3	0.0	0.2	12.2	43.8	48.6
Belgium (Fl)	352	10.8	33.1	38.7	7.0	3.2	7.2	38.7	0.6	0.4	6.2	33.1	44.9
Belgium (Fr)	283	11.7	31.6	23.9	2.6	5.9	24.2	23.9	3.2	0.3	20.7	21.0	26.8
Bulgaria	255	13.9	25.3	38.2	6.0	1.4	15.3	38.2	0.3	1.4	13.6	38.0	37.2
Canada	1033	14.9	27.9	42.7	5.3	6.6	2.6	42.7	0.7	0.1	1.9	38.0	47.4
Colombia	325	14.3	42.0	24.1	5.6	4.4	9.5	24.1	1.0	2.8	5.6	28.5	19.8
Cyprus	393	11.9	24.4	29.0	7.9	7.4	19.4	29.0	11.4	0.4	7.7	24.6	33.3
Czech Republic	420	13.8	31.7	30.3	6.4	8.7	9.3	30.3	1.8	0.3	7.2	25.7	35.3
Denmark	274	7.7	21.5	44.9	3.6	4.5	17.9	44.9	2.8	1.4	13.8	44.5	47.8
England	215	8.7	20.2	57.6	4.0	4.2	5.3	57.6	0.0	0.0	5.3	50.8	62.3
France	380	11.9	27.9	24.2	7.4	7.3	21.4	24.2	8.9	0.8	11.6	22.8	26.2
Germany	364	14.7	22.9	31.9	3.5	5.2	21.9	31.9	3.9	0.5	17.5	34.6	29.1
Greece	484	15.4	35.1	31.9	5.1	4.5	7.9	31.9	0.8	0.7	6.4	31.5	32.7
Hong Kong	426	11.1	18.4	50.9	6.7	11.4	1.4	50.9	0.0	0.2	1.2	50.1	51.7
Hungary	391	13.3	17.8	47.0	4.1	6.6	11.0	47.0	0.0	0.4	10.6	46.4	47.7
Iceland	235	10.7	40.4	38.8	4.4	3.1	2.7	38.8	0.0	0.0	2.7	32.7	44.7
Iran, Islamic Rep.	475	19.5	33.4	22.0	9.2	11.3	4.6	22.0	0.0	0.7	3.9	19.1	24.1
Ireland	395	12.0	25.7	45.1	5.6	7.2	4.5	45.1	2.3	0.0	2.2	42.6	48.2
Israel	.	.	.	.	.	.	.	.	.	.	.	.	.
Japan	637	21.3	15.0	38.5	12.4	10.4	2.4	38.5	0.5	0.0	1.9	38.3	38.7
Korea	368	20.6	21.0	42.5	6.3	9.0	0.6	42.5	0.0	0.0	0.6	39.9	44.3
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	317	12.8	31.0	34.1	2.8	3.8	15.5	34.1	0.0	0.5	15.0	28.5	40.2
Lithuania	316	13.7	29.8	21.2	3.5	3.7	28.1	21.2	1.7	3.4	23.0	20.5	21.9
Netherlands	258	10.5	17.5	61.8	6.7	2.8	0.7	61.8	0.4	0.0	0.4	56.9	66.6
New Zealand	392	13.2	23.6	45.5	5.3	8.6	3.8	45.5	2.0	0.4	1.5	44.2	46.7
Norway	313	15.2	33.1	28.9	6.6	6.7	9.5	28.9	0.0	0.8	8.7	31.3	26.9
Philippines	731	17.1	29.3	37.3	6.7	8.6	1.0	37.3	0.0	0.0	1.0	40.4	33.9
Portugal	417	11.0	36.2	35.3	5.1	5.1	7.2	35.3	0.0	0.0	7.2	32.7	38.1
Romania	472	18.7	29.5	18.3	4.4	5.4	23.6	18.3	5.3	0.4	17.8	19.0	17.0
Russian Federation	510	14.3	28.1	35.5	2.9	8.2	11.0	35.5	0.5	0.0	10.6	37.2	33.5
Scotland	359	12.8	18.6	53.9	4.9	4.0	5.8	53.9	2.1	0.3	3.4	46.5	61.8
Singapore	473	11.0	23.3	47.5	8.7	7.2	2.3	47.5	0.0	0.1	2.2	45.6	49.5
Slovak Republic	451	20.1	26.8	32.6	2.5	5.7	12.4	32.6	3.7	0.0	8.7	23.4	41.9
Slovenia	364	14.9	32.7	36.5	2.9	4.4	8.5	36.5	0.6	0.0	7.9	37.8	34.9
South Africa	698	19.6	25.7	27.5	8.7	14.4	4.0	27.5	0.6	1.6	1.9	28.2	27.2
Spain	484	17.0	30.2	37.2	3.6	3.8	8.1	37.2	0.0	0.1	8.0	31.5	43.3
Sweden	330	14.4	30.7	38.0	7.8	5.6	3.5	38.0	0.6	0.0	2.8	36.1	40.0
Switzerland	521	9.2	26.2	46.0	3.6	4.6	10.3	46.0	2.7	0.0	7.6	38.6	53.0
Thailand	770	16.0	23.8	47.3	4.7	6.5	1.7	47.3	0.0	0.7	1.1	50.9	42.7
United States	477	18.8	24.8	37.3	5.2	12.0	1.8	37.3	0.0	0.0	1.8	37.5	37.2
INTERNATIONAL AVG	.	14.2	27.0	37.9	5.4	6.3	9.1	37.9	1.5	0.5	7.2	35.9	40.0

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: I09 KEY: A
 Predict most likely color of random card based on fraction of colors. (Data Rep., Analysis & Prob.)
 Difficulty: 490

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	680	67.5	5.4	4.7	20.5	1.9	67.5	0.0	0.8	1.1	69.7	65.4
Austria	379	78.2	4.2	4.8	11.8	1.1	78.2	0.0	0.5	0.5	79.0	77.5
Belgium (Fl)	352	83.1	3.3	2.4	10.3	1.0	83.1	0.0	0.4	0.6	87.1	78.6
Belgium (Fr)	283	59.1	6.0	7.2	25.4	2.2	59.1	0.3	0.3	1.6	56.4	61.8
Bulgaria	255	48.0	6.5	10.1	32.5	3.0	48.0	0.3	1.4	1.3	50.4	44.6
Canada	1033	68.7	3.4	3.1	23.7	1.1	68.7	0.2	0.1	0.9	64.3	73.5
Colombia	325	22.3	9.5	11.3	51.7	5.3	22.3	0.3	2.8	2.1	25.3	19.9
Cyprus	393	68.1	9.1	11.5	9.5	1.8	68.1	0.2	0.4	1.3	70.5	65.6
Czech Republic	420	60.7	3.6	7.4	26.1	2.2	60.7	0.8	0.5	0.9	57.0	64.7
Denmark	274	52.9	3.1	4.9	36.1	3.1	52.9	0.0	1.4	1.7	50.8	52.8
England	215	61.7	2.8	4.2	31.3	0.0	61.7	0.0	0.0	0.0	61.6	61.7
France	380	60.9	3.6	6.4	27.3	1.8	60.9	0.5	0.8	0.5	61.6	61.4
Germany	364	57.7	5.2	4.1	27.5	5.5	57.7	0.4	0.5	4.5	50.7	64.8
Greece	484	51.1	4.7	11.7	31.0	1.6	51.1	0.0	0.7	0.9	49.8	52.9
Hong Kong	426	86.1	4.9	3.4	5.4	0.2	86.1	0.0	0.2	0.0	85.2	86.9
Hungary	391	69.8	2.1	3.8	21.5	2.8	69.8	0.0	0.4	2.4	69.4	70.2
Iceland	235	74.3	6.8	5.7	12.5	0.7	74.3	0.0	0.0	0.7	76.8	71.9
Iran, Islamic Rep.	475	23.1	7.3	21.4	46.7	1.5	23.1	0.0	0.7	0.9	17.1	27.3
Ireland	395	80.7	4.6	2.4	11.9	0.3	80.7	0.3	0.0	0.0	76.8	85.7
Israel	.	.	.	.	.	.	.	.	.	.	.	.
Japan	637	79.9	4.1	3.8	11.9	0.2	79.9	0.0	0.0	0.2	79.3	80.4
Korea	368	65.0	1.4	6.4	26.9	0.4	65.0	0.0	0.0	0.4	60.9	67.8
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	318	59.7	6.4	7.9	23.1	2.9	59.7	0.0	0.8	2.1	64.1	55.5
Lithuania	316	40.3	6.2	10.2	33.3	10.1	40.3	0.0	4.3	5.8	39.4	41.3
Netherlands	258	83.0	2.9	2.2	11.6	0.3	83.0	0.0	0.0	0.3	82.6	83.4
New Zealand	392	72.7	3.6	3.7	19.1	0.9	72.7	0.0	0.4	0.6	70.3	74.9
Norway	313	54.0	4.7	8.1	32.1	1.1	54.0	0.0	0.8	0.2	50.6	57.0
Philippines	731	41.9	10.9	18.7	28.0	0.4	41.9	0.0	0.0	0.4	43.0	40.6
Portugal	417	36.5	5.1	9.2	48.0	1.2	36.5	0.0	0.0	1.2	34.5	38.6
Romania	474	46.9	12.2	8.0	24.2	8.7	46.9	1.5	0.4	6.8	46.4	47.7
Russian Federation	510	55.7	6.7	6.6	27.8	3.2	55.7	0.0	0.0	3.2	54.0	57.6
Scotland	359	66.0	3.5	4.2	25.4	1.0	66.0	0.0	0.3	0.7	64.5	67.8
Singapore	473	84.2	5.3	2.6	7.1	0.8	84.2	0.0	0.2	0.6	83.4	85.0
Slovak Republic	451	56.2	4.1	5.6	31.1	3.1	56.2	0.2	0.0	2.9	54.0	58.4
Slovenia	365	66.9	4.1	5.2	21.6	2.1	66.9	0.2	0.0	1.9	62.4	72.4
South Africa	698	40.6	17.6	19.2	19.4	3.1	40.6	0.3	2.1	0.8	36.2	46.7
Spain	484	31.7	4.0	6.4	56.7	1.1	31.7	0.0	0.1	1.0	29.0	34.7
Sweden	330	66.9	4.3	3.9	24.1	0.9	66.9	0.3	0.3	0.2	66.4	67.1
Switzerland	521	72.0	3.9	4.6	18.6	0.8	72.0	0.0	0.0	0.8	71.3	72.7
Thailand	770	62.0	4.9	5.1	26.5	1.6	62.0	0.0	0.7	0.9	60.8	63.6
United States	477	65.9	6.3	5.8	21.3	0.7	65.9	0.0	0.0	0.7	65.8	66.0
INTERNATIONAL AVG	.	60.5	5.5	6.9	25.0	2.0	60.5	0.1	0.6	1.3	59.5	61.7

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: J10 KEY: C
 Determine area of sheet not covered by rectangular picture. (Measurement)
 Difficulty: 596

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	700	23.2	16.3	39.9	18.8	1.8	39.9	0.0	0.4	1.4	38.9	41.2
Austria	379	17.4	11.8	58.4	11.7	0.8	58.4	0.0	0.4	0.4	58.6	57.7
Belgium (Fl)	348	16.3	10.5	55.2	16.7	1.3	55.2	0.0	0.0	1.3	50.5	59.7
Belgium (Fr)	279	16.4	11.2	42.4	24.9	5.1	42.4	0.0	1.3	3.9	38.9	46.5
Bulgaria	205	16.1	8.8	55.0	8.8	11.2	55.0	0.5	2.3	8.4	64.3	43.9
Canada	1033	31.6	14.3	34.8	18.4	0.8	34.8	0.0	0.0	0.8	34.2	35.6
Colombia	329	62.7	11.5	9.4	9.9	6.5	9.4	1.0	1.2	4.3	8.0	10.5
Cyprus	368	33.6	21.5	30.9	11.2	2.8	30.9	0.0	0.0	2.8	32.4	30.0
Czech Republic	431	23.5	10.7	47.8	13.7	4.3	47.8	1.0	0.0	3.3	51.8	43.8
Denmark	274	27.1	23.3	29.3	10.6	9.7	29.3	0.0	0.5	9.2	30.7	27.2
England	231	40.9	22.5	26.1	9.6	0.8	26.1	0.0	0.0	0.8	18.1	33.4
France	362	23.2	15.3	37.8	20.7	3.0	37.8	0.0	0.6	2.4	36.1	38.2
Germany	342	27.1	21.9	31.8	8.9	10.3	31.8	0.0	1.1	9.2	28.0	35.0
Greece	475	32.7	17.2	31.8	13.5	4.9	31.8	0.0	0.0	4.9	34.3	29.5
Hong Kong	423	9.9	12.4	73.0	4.7	0.0	73.0	0.0	0.0	0.0	73.9	72.8
Hungary	386	37.4	17.5	36.0	4.7	4.4	36.0	0.0	0.0	4.4	30.1	41.3
Iceland	242	40.7	16.5	20.8	19.8	2.2	20.8	0.6	0.0	1.6	21.9	19.6
Iran, Islamic Rep.	470	28.8	12.7	25.5	31.7	1.2	25.5	0.0	0.0	1.2	21.4	28.8
Ireland	382	25.7	15.9	34.8	21.7	1.8	34.8	0.0	0.0	1.8	29.8	40.6
Israel	.	.	.	.	.	.	.	.	.	.	.	.
Japan	634	4.6	5.1	79.8	10.1	0.5	79.8	0.2	0.0	0.3	83.0	76.7
Korea	366	9.7	6.0	74.0	10.2	0.0	74.0	0.0	0.0	0.0	69.8	77.1
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	338	47.9	15.2	19.7	10.3	6.9	19.7	0.0	0.4	6.6	15.2	24.6
Lithuania	319	37.4	13.9	16.7	15.8	16.3	16.7	0.0	3.1	13.2	15.2	18.0
Netherlands	261	25.7	21.5	37.1	14.5	1.1	37.1	0.0	0.0	1.1	39.1	35.2
New Zealand	410	40.2	21.0	25.1	13.1	0.6	25.1	0.2	0.0	0.4	18.5	30.5
Norway	312	24.3	14.9	31.8	27.4	1.6	31.8	0.0	0.3	1.3	30.6	33.3
Philippines	729	51.0	8.4	18.0	22.1	0.5	18.0	0.0	0.3	0.3	18.8	17.0
Portugal	424	54.6	17.8	14.0	12.0	1.6	14.0	0.0	0.0	1.6	11.9	16.3
Romania	462	34.8	11.1	29.1	12.9	12.1	29.1	0.5	0.8	10.8	28.2	30.0
Russian Federation	527	26.7	9.6	40.4	18.0	5.3	40.4	0.1	0.4	4.8	40.6	40.2
Scotland	364	46.2	23.1	18.5	10.8	1.4	18.5	0.0	0.2	1.2	17.1	19.9
Singapore	462	2.4	5.2	85.2	7.1	0.1	85.2	0.0	0.0	0.1	86.8	83.4
Slovak Republic	470	29.2	9.8	46.4	11.0	3.5	46.4	0.6	0.0	2.9	47.2	45.6
Slovenia	371	30.9	13.6	39.2	12.7	3.6	39.2	0.0	0.0	3.6	36.8	42.0
South Africa	693	46.6	21.4	13.8	15.6	2.6	13.8	0.1	1.0	1.5	12.2	15.8
Spain	466	29.2	16.7	31.5	20.2	2.4	31.5	0.0	0.0	2.4	31.0	32.1
Sweden	355	32.5	16.9	31.7	18.6	0.4	31.7	0.0	0.0	0.4	31.4	32.2
Switzerland	506	22.3	16.1	41.2	17.3	3.1	41.2	0.2	0.0	2.8	38.7	43.8
Thailand	748	24.5	14.6	45.8	14.1	1.1	45.8	0.0	0.2	0.9	46.7	44.7
United States	472	37.2	17.6	29.9	13.3	2.0	29.9	0.3	0.5	1.2	26.2	33.7
INTERNATIONAL AVG	.	29.8	14.8	37.2	14.7	3.5	37.2	0.1	0.4	3.0	36.2	38.2

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: J11 KEY: E
 Identify properties of a parallelogram. (Geometry)
 Difficulty: 573

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	700	6.7	24.4	11.8	9.7	43.6	3.8	43.6	0.0	0.4	3.3	46.9	39.4
Austria	379	2.8	19.5	10.2	13.8	49.5	4.3	49.5	0.0	0.4	3.9	56.2	45.2
Belgium (Fl)	348	3.1	13.7	2.3	1.8	77.8	1.2	77.8	0.0	0.0	1.2	78.8	76.9
Belgium (Fr)	279	5.2	29.2	2.4	3.5	49.6	10.0	49.6	0.8	1.3	8.0	47.7	50.8
Bulgaria	205	5.5	10.8	3.2	3.8	72.3	4.4	72.3	0.0	2.9	1.5	77.2	66.4
Canada	1033	6.2	25.8	9.6	9.3	48.0	1.1	48.0	0.2	0.1	0.8	53.6	43.5
Colombia	329	10.8	29.7	10.6	12.6	32.0	4.4	32.0	0.5	1.5	2.4	35.1	29.3
Cyprus	368	8.3	29.6	11.7	10.3	36.7	3.4	36.7	0.8	0.0	2.5	32.5	41.2
Czech Republic	431	5.3	35.0	6.0	5.0	46.6	2.1	46.6	0.5	0.1	1.4	47.9	45.2
Denmark	274	5.4	32.8	3.3	8.1	41.4	9.0	41.4	0.5	0.5	7.9	40.4	42.0
England	231	3.0	31.3	11.2	12.1	38.9	3.5	38.9	0.0	0.0	3.5	43.4	34.8
France	362	4.3	28.1	6.2	4.6	48.0	8.8	48.0	5.1	0.6	3.2	50.8	46.0
Germany	342	5.3	22.6	6.6	9.7	42.5	13.3	42.5	4.8	1.1	7.4	45.5	39.4
Greece	475	10.4	22.5	7.8	8.0	48.1	3.1	48.1	0.0	0.0	3.1	54.3	42.5
Hong Kong	423	7.5	19.7	8.1	7.0	57.7	0.0	57.7	0.0	0.0	0.0	55.4	60.1
Hungary	386	9.3	15.2	9.7	12.5	42.1	11.2	42.1	0.0	0.0	11.2	48.5	36.3
Iceland	242	10.7	21.1	8.7	17.5	40.8	1.2	40.8	0.0	0.0	1.2	41.1	40.6
Iran, Islamic Rep.	470	27.0	14.6	9.5	17.3	29.9	1.8	29.9	0.8	0.0	1.0	31.3	28.6
Ireland	382	5.9	26.4	11.4	10.7	43.8	1.9	43.8	0.0	0.0	1.9	43.8	43.9
Israel	.	.	.	.	.	.	.	.	.	.	.	.	.
Japan	.	.	.	.	.	.	.	.	.	.	.	.	.
Korea	366	9.9	14.6	7.2	9.0	59.3	0.0	59.3	0.0	0.0	0.0	61.4	57.8
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	338	22.3	12.4	10.3	12.2	27.2	15.6	27.2	0.0	0.6	15.0	32.4	21.3
Lithuania	319	9.8	16.5	3.9	20.2	29.7	19.9	29.7	0.6	3.1	16.2	31.4	28.3
Netherlands	261	11.0	17.6	23.6	16.5	27.2	4.2	27.2	0.0	0.0	4.2	23.5	31.7
New Zealand	410	8.3	24.0	13.5	9.7	42.1	2.5	42.1	1.0	0.0	1.5	47.6	37.6
Norway	312	8.7	30.9	6.7	13.4	36.6	3.7	36.6	0.0	0.3	3.5	35.7	37.7
Philippines	729	15.8	20.7	18.0	11.8	33.1	0.7	33.1	0.0	0.3	0.4	36.4	29.2
Portugal	424	10.7	31.5	9.3	11.4	33.3	3.8	33.3	0.0	0.0	3.8	33.0	33.7
Romania	462	3.9	24.9	1.5	1.6	60.4	7.6	60.4	3.3	1.0	3.3	63.2	57.8
Russian Federation	527	5.9	20.6	5.6	6.5	42.3	19.1	42.3	0.1	0.4	18.5	45.4	39.0
Scotland	364	6.6	27.6	13.9	10.4	39.6	1.9	39.6	0.0	0.2	1.6	40.7	38.9
Singapore	462	4.0	18.0	9.0	10.4	57.9	0.7	57.9	0.0	0.0	0.7	58.0	57.7
Slovak Republic	470	7.7	34.9	3.8	5.8	43.1	4.7	43.1	2.9	0.0	1.8	49.2	36.3
Slovenia	370	11.7	20.7	11.8	17.1	34.5	4.2	34.5	1.5	0.0	2.7	34.5	34.5
South Africa	693	12.7	29.0	12.9	14.5	27.0	3.9	27.0	0.1	1.1	2.7	25.2	28.5
Spain	466	8.1	30.2	7.4	12.4	38.7	3.3	38.7	0.0	0.0	3.3	36.6	41.2
Sweden	354	12.0	28.1	8.4	10.1	40.2	1.2	40.2	0.0	0.0	1.2	41.5	39.0
Switzerland	506	10.8	19.2	11.7	13.2	39.3	5.8	39.3	2.0	0.0	3.7	41.5	37.3
Thailand	748	5.3	13.6	9.4	8.5	62.3	0.9	62.3	0.2	0.2	0.5	65.0	58.3
United States	472	4.6	33.5	11.9	7.8	39.4	2.9	39.4	0.0	0.5	2.4	42.0	36.6
INTERNATIONAL AVG	.	8.5	23.6	9.0	10.2	43.7	5.0	43.7	0.7	0.4	3.9	45.5	41.9

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: J12
 Divide fractions. (Fractions and number sense)
 Difficulty: 593

COUNTRY	N	10	19	70	71	72	79	90	99	V1	NOT	1.GIRL	2.BOY	
											REACH			OMIT	% Right	% Right
Australia	700	16.9	2.5	20.7	1.9	0.0	31.9	4.4	21.7	19.4	0.4	21.3	20.0	18.6
Austria	379	42.6	10.0	11.2	1.0	2.6	21.6	3.3	7.7	52.6	0.4	7.3	56.9	48.4
Belgium (Fl)	348	49.9	4.5	10.9	3.3	1.1	20.1	2.1	8.2	54.4	0.0	8.2	59.4	49.6
Belgium (Fr)	280	0.0	15.5	0.0	0.0	0.0	38.8	0.0	45.7	15.5	1.3	44.4	17.9	13.2
Bulgaria	205	55.7	3.6	2.6	0.0	0.0	15.6	1.9	20.6	59.3	2.9	17.7	64.6	52.8
Canada	1033	17.6	6.4	17.3	1.1	1.1	35.8	6.5	14.1	24.0	0.1	14.0	24.4	24.0
Colombia	329	4.7	12.5	14.9	0.3	2.0	38.8	3.4	23.5	17.1	1.5	22.0	22.4	12.6
Cyprus	368	42.1	19.5	0.0	0.0	0.0	19.9	0.4	18.2	61.6	0.0	18.2	65.7	58.2
Czech Republic	431	49.7	8.0	4.6	1.3	1.0	22.3	4.3	8.7	57.7	0.1	8.6	60.6	54.8
Denmark	274	1.0	0.8	12.1	3.6	1.1	25.9	5.3	50.2	1.8	0.9	49.3	1.4	2.3
England	231	5.5	0.4	25.6	1.7	0.9	40.9	10.0	15.0	5.9	0.0	15.0	5.2	6.5
France	362	6.2	8.9	16.2	1.0	0.5	26.9	3.3	36.9	15.1	0.6	36.3	14.5	16.4
Germany	342	41.7	4.1	5.9	1.1	1.0	23.9	3.0	19.2	45.8	1.1	18.1	53.0	38.4
Greece	475	10.0	31.5	7.1	0.4	0.8	23.9	4.4	21.9	41.4	0.0	21.9	45.8	37.5
Hong Kong	399	68.9	0.7	4.0	1.0	0.5	17.0	0.5	7.3	69.7	0.0	7.3	69.6	69.5
Hungary	386	40.2	22.7	0.0	0.0	0.5	28.9	1.1	6.5	62.9	0.0	6.5	67.2	59.2
Iceland	242	0.4	0.0	10.1	0.0	0.0	42.6	13.8	33.1	0.4	0.0	33.1	.	0.8
Iran, Islamic Rep.	470	22.8	12.2	19.6	1.2	0.0	26.0	1.2	17.0	35.0	0.0	17.0	37.0	33.3
Ireland	382	48.1	1.2	5.7	1.3	4.6	28.6	3.5	7.1	49.3	0.0	7.1	52.6	45.5
Israel	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Japan	634	78.2	0.7	4.9	0.5	0.4	11.1	1.3	2.9	78.9	0.0	2.9	78.6	79.2
Korea	366	80.7	0.5	2.2	0.4	0.5	13.5	0.0	2.2	81.2	0.0	2.2	85.6	78.0
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	338	39.0	3.7	5.6	0.3	1.0	29.4	3.2	17.7	42.7	0.6	17.1	45.1	39.9
Lithuania	319	36.5	3.5	5.8	0.2	3.1	18.9	2.6	29.4	40.0	3.1	26.3	48.4	32.6
Netherlands	261	11.9	1.2	15.5	0.9	2.5	38.0	16.5	13.4	13.1	0.0	13.4	13.2	13.2
New Zealand	409	2.9	1.4	33.9	0.6	0.2	39.1	2.9	19.1	4.3	0.0	19.1	5.3	3.6
Norway	312	0.5	1.9	18.1	1.3	0.0	32.5	21.1	24.6	2.4	0.3	24.4	1.5	3.5
Philippines	715	15.5	4.3	32.3	1.1	2.9	32.3	2.1	9.4	19.9	0.3	9.1	20.7	18.8
Portugal	424	2.8	14.8	15.3	0.5	1.0	36.8	3.0	25.7	17.6	0.0	25.7	17.5	17.8
Romania	462	47.6	5.8	3.6	0.6	0.8	23.3	0.6	17.8	53.4	1.3	16.5	52.7	54.2
Russian Federation	527	57.0	3.6	4.7	0.4	4.3	24.4	0.3	5.3	60.6	0.7	4.7	65.9	55.0
Scotland	364	0.6	0.3	18.2	0.3	0.0	46.2	4.1	30.4	0.9	0.2	30.1	.	1.7
Singapore	462	82.4	1.4	0.6	0.0	1.7	12.9	0.2	0.9	83.8	0.0	0.9	85.8	81.6
Slovak Republic	470	50.5	11.2	5.2	1.7	1.4	18.3	4.3	7.4	61.7	0.0	7.4	63.8	59.3
Slovenia	371	53.5	8.9	3.4	0.8	0.0	24.5	2.4	6.5	62.4	0.0	6.5	62.8	61.9
South Africa	693	7.7	2.2	19.3	0.4	0.5	55.3	1.2	13.5	9.9	1.1	12.3	7.9	12.3
Spain	466	2.6	23.3	14.4	0.8	4.3	33.5	1.0	20.0	25.9	0.0	20.0	30.1	20.8
Sweden	355	0.3	0.0	2.5	0.0	0.0	40.2	25.3	31.7	0.3	0.0	31.7	.	0.6
Switzerland	506	7.7	2.5	14.1	6.6	0.5	33.0	12.9	22.8	10.3	0.0	22.7	7.5	12.6
Thailand	748	51.3	5.6	8.5	0.0	0.9	24.3	1.2	8.3	56.9	0.2	8.1	58.9	54.2
United States	472	30.8	2.2	13.9	2.7	1.5	35.0	2.5	11.4	33.0	0.7	10.8	31.8	34.3
INTERNATIONAL AVG	.	29.6	6.6	10.8	1.0	1.1	28.8	4.5	17.6	36.2	0.4	17.1	41.1	34.4

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: J13
 Draw pictograph to represent number given in table. (Data Rep., Analysis & Prob.)
 Difficulty: 394

COUNTRY	N	NOT REACH ED										OMIT	1. GIRL % Right	2. BOY % Right	
		10	11	19	70	71	72	79	90	99	V1				
Australia	700	89.6	1.6	0.3	3.2	0.8	1.0	0.8	0.3	2.5	91.5	0.4	2.1	91.4	91.6
Austria	379	79.7	4.4	0.2	3.8	1.3	2.4	5.5	0.1	2.4	84.3	0.4	2.0	91.5	78.5
Belgium (Fl)	348	89.5	3.5	0.0	1.2	1.5	0.5	2.1	0.2	1.4	93.1	0.0	1.4	93.1	93.1
Belgium (Fr)	280	0.0	0.0	83.7	0.0	0.0	0.0	13.2	0.0	3.1	83.7	1.3	1.9	86.7	81.4
Bulgaria	205	31.5	40.6	1.5	1.7	3.9	2.5	2.1	0.0	16.1	73.7	4.7	11.4	78.7	67.6
Canada	1033	88.9	1.6	0.2	3.6	1.2	0.9	2.2	0.0	1.5	90.7	0.1	1.4	89.7	91.6
Colombia	329	38.9	11.5	2.5	2.3	9.1	3.8	12.1	0.0	19.9	52.9	2.3	17.6	48.2	57.0
Cyprus	368	73.9	1.2	0.0	0.7	3.5	1.0	6.4	0.2	13.0	75.2	0.6	12.4	79.7	71.5
Czech Republic	431	59.9	15.4	0.4	2.9	5.3	5.0	5.1	0.8	5.1	75.8	0.2	4.9	75.4	76.1
Denmark	274	83.5	0.6	0.4	1.2	3.0	3.0	2.6	0.7	5.1	84.4	0.9	4.2	83.3	85.6
England	231	82.9	4.3	0.0	2.3	4.2	2.6	1.8	0.0	1.9	87.2	0.0	1.9	85.0	89.1
France	362	81.0	3.6	0.5	2.3	2.6	2.1	3.8	0.3	3.9	85.1	0.6	3.3	87.8	83.6
Germany	342	78.3	4.0	0.3	2.4	4.2	2.0	2.1	0.0	6.8	82.6	1.1	5.7	85.7	79.4
Greece	475	59.8	2.7	0.5	1.1	8.9	4.0	7.5	0.4	15.0	63.1	0.0	15.0	64.0	62.2
Hong Kong	399	84.9	1.0	0.2	5.8	1.5	3.3	0.7	0.5	2.1	86.2	0.0	2.1	87.3	85.2
Hungary	386	71.0	12.1	0.0	1.5	3.5	0.6	7.1	0.0	4.2	83.1	0.2	4.0	84.4	81.9
Iceland	242	82.9	4.5	0.0	1.7	1.3	1.9	6.0	0.0	1.7	87.3	0.0	1.7	90.3	84.3
Iran, Islamic Rep.	470	51.9	0.1	0.0	2.2	8.9	7.4	18.2	0.4	10.9	52.0	0.0	10.9	45.8	56.9
Ireland	382	82.3	1.4	0.6	3.8	3.8	2.5	4.1	0.5	1.0	84.3	0.0	1.0	87.6	80.7
Israel	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Japan	634	88.1	2.5	2.6	4.2	0.5	0.4	0.6	0.0	1.0	93.2	0.0	1.0	95.3	91.2
Korea	366	37.5	53.7	0.4	0.8	2.4	2.0	1.8	0.0	1.5	91.6	0.0	1.5	88.9	93.5
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	338	64.2	7.3	0.6	4.8	6.7	3.5	5.0	0.4	7.5	72.1	0.6	6.9	73.0	71.1
Lithuania	319	49.2	7.7	2.0	2.4	7.8	1.8	5.5	0.2	23.3	58.9	3.1	20.2	66.5	52.2
Netherlands	261	89.1	0.0	0.0	3.1	3.0	0.4	0.9	0.4	3.1	89.1	0.0	3.1	87.5	90.9
New Zealand	410	84.7	2.5	0.3	2.6	3.3	1.0	2.3	0.4	3.0	87.4	0.0	3.0	90.0	85.3
Norway	312	80.8	3.9	0.0	2.6	2.6	5.4	1.5	1.0	2.2	84.7	0.3	1.9	87.0	81.8
Philippines	715	42.1	2.7	1.4	1.8	19.0	6.7	14.0	1.5	10.8	46.2	0.3	10.5	47.4	44.7
Portugal	424	74.1	2.0	1.5	3.4	3.2	4.3	6.7	0.8	3.9	77.6	0.0	3.9	73.4	82.1
Romania	462	52.4	11.7	0.0	2.4	6.0	5.2	8.3	0.2	13.7	64.1	1.5	12.2	62.1	66.1
Russian Federation	527	62.2	13.5	1.8	1.4	5.1	3.9	4.5	1.6	6.0	77.5	0.7	5.3	77.8	77.1
Scotland	364	78.7	4.0	0.0	1.8	4.9	4.1	5.3	0.0	1.2	82.7	0.2	1.0	82.3	83.0
Singapore	462	87.9	4.4	0.2	2.2	1.3	2.3	0.5	0.0	1.3	92.5	0.0	1.3	92.9	92.1
Slovak Republic	470	60.8	14.9	3.3	1.8	6.4	2.9	3.2	1.3	5.4	79.0	0.0	5.4	79.0	79.0
Slovenia	371	75.7	5.7	0.6	1.3	1.9	3.2	8.4	0.7	2.7	81.9	0.0	2.7	82.1	81.6
South Africa	693	14.8	1.6	0.6	0.7	6.9	6.7	36.4	1.3	31.0	17.0	1.6	29.4	14.9	19.4
Spain	466	70.8	5.5	0.7	3.9	6.4	4.0	4.2	0.2	4.2	77.1	0.0	4.2	74.3	80.3
Sweden	355	82.8	2.3	1.3	2.0	3.2	3.8	3.2	0.7	0.7	86.3	0.0	0.7	87.4	85.1
Switzerland	506	80.6	5.0	0.4	3.3	3.5	1.2	3.1	0.7	2.2	86.0	0.0	2.1	85.2	86.7
Thailand	748	89.9	2.8	0.1	1.8	0.9	0.5	1.3	0.1	2.6	92.8	0.3	2.3	94.0	91.2
United States	472	85.9	0.9	0.2	2.8	2.3	1.2	3.1	0.0	3.5	87.0	0.7	2.8	85.9	88.2
INTERNATIONAL AVG	.	69.1	6.7	2.7	2.4	4.1	2.8	5.6	0.4	6.2	78.5	0.5	5.7	79.1	78.0

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: J14 KEY: E
 Divide rational numbers, fractional divisor. (Fractions and number sense)
 Difficulty: 585

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	700	28.0	27.9	10.8	9.6	20.1	3.7	20.1	0.0	0.4	3.2	17.1	24.0
Austria	379	11.3	7.7	3.5	7.5	67.4	2.7	67.4	0.0	0.4	2.3	66.7	67.5
Belgium (Fl)	348	12.3	21.1	5.7	9.0	50.3	1.8	50.3	0.0	0.0	1.8	52.0	48.5
Belgium (Fr)	280	16.3	16.3	4.9	16.7	40.8	5.0	40.8	0.0	1.3	3.7	42.2	39.9
Bulgaria	205	30.4	6.6	8.8	1.5	37.4	15.3	37.4	0.0	4.7	10.6	39.2	35.3
Canada	1033	19.4	20.1	8.6	11.7	38.8	1.4	38.8	0.1	0.1	1.3	40.6	37.5
Colombia	329	32.9	14.5	8.9	10.8	17.9	14.9	17.9	1.0	2.6	11.3	15.7	19.9
Cyprus	368	24.2	12.3	18.8	11.6	27.7	5.4	27.7	0.0	0.6	4.8	27.1	28.2
Czech Republic	431	6.0	9.7	3.9	10.7	64.8	5.0	64.8	1.9	0.5	2.6	68.4	61.2
Denmark	274	27.1	24.1	9.5	5.8	8.4	25.1	8.4	0.0	0.9	24.2	6.0	11.0
England	231	33.3	27.5	15.1	6.5	16.3	1.3	16.3	0.0	0.0	1.3	17.3	15.5
France	362	12.6	9.8	7.3	11.4	50.8	8.3	50.8	0.0	0.6	7.7	48.4	54.5
Germany	342	14.9	15.6	9.9	7.8	37.7	14.0	37.7	0.2	1.1	12.7	44.4	30.8
Greece	475	16.2	11.9	9.0	15.4	38.2	9.3	38.2	0.2	0.0	9.1	46.1	30.9
Hong Kong	423	7.7	13.2	9.3	13.1	56.2	0.6	56.2	0.0	0.0	0.6	55.1	57.5
Hungary	386	8.2	9.0	5.7	8.0	56.6	12.5	56.6	0.0	0.2	12.3	63.4	50.5
Iceland	242	36.7	27.4	17.4	6.9	8.5	3.2	8.5	0.6	0.0	2.6	2.9	14.3
Iran, Islamic Rep.	470	20.9	23.1	21.9	10.3	20.4	3.3	20.4	0.2	0.0	3.1	19.6	21.2
Ireland	382	13.9	23.5	6.1	13.2	41.1	2.1	41.1	1.0	0.0	1.1	39.9	42.5
Israel	.	.	.	.	.	.	.	.	.	.	.	.	.
Japan	634	5.0	11.7	5.2	15.1	62.4	0.6	62.4	0.1	0.0	0.5	64.3	60.5
Korea	366	8.7	13.4	11.1	11.1	55.7	0.0	55.7	0.0	0.0	0.0	55.6	55.8
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	338	17.1	17.0	7.6	10.2	40.1	8.0	40.1	0.0	1.0	7.0	45.6	34.0
Lithuania	319	12.9	10.6	3.5	8.6	49.9	14.5	49.9	0.0	3.7	10.8	59.5	41.4
Netherlands	261	21.7	15.7	18.0	12.5	30.3	1.9	30.3	0.0	0.0	1.9	22.8	39.3
New Zealand	408	29.8	27.4	10.5	11.4	17.7	3.2	17.7	1.0	0.0	2.2	15.2	19.7
Norway	312	21.1	32.8	13.1	7.6	18.0	7.4	18.0	0.0	0.3	7.1	16.7	19.6
Philippines	729	22.2	29.9	7.8	12.8	25.8	1.5	25.8	0.0	0.3	1.2	26.1	25.4
Portugal	424	32.8	18.1	19.1	6.1	20.9	3.0	20.9	0.0	0.0	3.0	20.3	21.5
Romania	462	20.5	13.0	5.2	9.0	38.9	13.4	38.9	0.2	1.7	11.5	38.3	39.5
Russian Federation	527	7.5	8.0	3.1	7.6	68.2	5.7	68.2	0.7	0.8	4.2	72.9	63.1
Scotland	364	27.2	37.6	11.7	7.3	12.3	3.9	12.3	0.0	0.2	3.6	10.5	14.1
Singapore	462	6.9	7.9	6.2	8.2	70.1	0.7	70.1	0.0	0.0	0.7	71.3	68.8
Slovak Republic	470	6.2	12.0	3.7	11.9	62.5	3.7	62.5	0.5	0.0	3.1	65.3	59.4
Slovenia	371	11.9	12.3	4.8	7.9	57.8	5.3	57.8	0.0	0.0	5.3	55.0	61.2
South Africa	693	25.3	18.0	12.9	10.5	27.1	6.1	27.1	0.1	1.9	4.2	22.9	31.9
Spain	466	25.0	14.6	10.3	8.4	35.6	6.0	35.6	0.0	0.0	6.0	36.5	34.5
Sweden	353	25.8	32.7	10.5	10.5	17.9	2.7	17.9	0.2	0.0	2.5	16.7	19.2
Switzerland	506	19.1	27.6	5.7	14.1	28.6	4.8	28.6	0.3	0.0	4.5	28.4	28.5
Thailand	748	22.7	25.4	8.9	12.4	28.5	2.1	28.5	0.0	0.3	1.8	29.6	27.2
United States	472	11.8	24.1	10.0	14.0	37.4	2.6	37.4	0.0	0.7	2.0	41.7	32.9
INTERNATIONAL AVG	.	18.8	18.3	9.3	10.1	37.6	5.8	37.6	0.2	0.6	5.0	38.2	37.2

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: J15 KEY: A
 Identify similar triangles of different size. (Geometry)
 Difficulty: 493

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	700	65.6	18.5	6.7	7.4	0.5	1.3	65.6	0.0	0.4	0.9	68.8	61.5
Austria	379	69.0	19.6	4.1	5.1	0.5	1.7	69.0	0.0	0.4	1.3	72.5	65.6
Belgium (Fl)	348	57.5	29.5	6.6	3.4	1.5	1.5	57.5	0.0	0.0	1.5	60.3	54.8
Belgium (Fr)	280	31.1	37.2	14.5	6.1	3.7	7.5	31.1	0.0	1.3	6.2	25.4	37.4
Bulgaria	205	70.1	15.2	3.1	2.3	1.9	7.4	70.1	0.6	5.3	1.5	71.7	68.2
Canada	1033	65.5	22.7	6.7	4.5	0.1	0.5	65.5	0.1	0.1	0.3	67.3	63.7
Colombia	329	34.1	32.0	11.5	9.0	4.5	8.9	34.1	1.3	3.4	4.3	30.2	37.6
Cyprus	368	44.6	28.2	12.9	8.9	2.6	2.8	44.6	0.6	1.0	1.2	45.2	44.2
Czech Republic	431	60.5	27.9	5.3	4.4	0.1	1.8	60.5	1.1	0.5	0.2	62.2	58.9
Denmark	274	72.7	15.1	4.9	4.7	0.0	2.5	72.7	0.4	1.2	1.0	70.6	74.8
England	231	61.9	20.7	9.2	5.6	1.4	1.3	61.9	0.0	0.0	1.3	55.8	67.4
France	362	74.7	6.9	3.6	11.2	1.0	2.6	74.7	1.4	1.0	0.2	70.5	78.7
Germany	342	59.2	27.4	5.4	2.4	0.0	5.6	59.2	2.7	1.1	1.8	62.0	56.5
Greece	475	38.8	42.9	9.7	3.9	2.1	2.5	38.8	0.7	0.0	1.9	39.8	37.9
Hong Kong	423	75.7	12.3	7.3	2.6	1.9	0.2	75.7	0.0	0.0	0.2	75.2	75.8
Hungary	385	60.9	25.2	4.3	5.9	1.2	2.5	60.9	0.0	0.8	1.7	61.0	60.8
Iceland	242	61.0	25.8	7.9	4.7	0.6	0.0	61.0	0.0	0.0	0.0	67.4	54.3
Iran, Islamic Rep.	470	47.3	35.7	7.0	7.3	1.5	1.2	47.3	0.2	0.0	1.0	44.1	49.6
Ireland	382	55.4	27.6	7.9	7.9	0.6	0.6	55.4	0.4	0.0	0.2	52.2	58.9
Israel	.	.	.	.	.	.	.	.	.	.	.	.	.
Japan	634	85.2	7.8	2.0	3.3	1.2	0.6	85.2	0.1	0.0	0.4	85.3	85.1
Korea	366	81.5	11.0	3.0	3.8	0.7	0.0	81.5	0.0	0.0	0.0	83.3	80.2
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	338	57.8	23.1	5.1	7.3	1.7	4.9	57.8	0.0	1.6	3.4	58.4	57.5
Lithuania	319	44.8	33.2	5.0	6.8	0.9	9.3	44.8	1.9	4.0	3.4	47.0	42.8
Netherlands	261	62.4	26.6	5.0	4.6	0.9	0.5	62.4	0.0	0.0	0.5	61.9	63.6
New Zealand	408	59.1	21.1	10.0	7.1	1.6	1.0	59.1	0.0	0.0	1.0	62.4	56.5
Norway	312	58.8	23.6	7.9	7.1	1.4	1.2	58.8	0.0	0.3	1.0	65.2	50.6
Philippines	729	48.1	22.4	20.2	5.5	3.3	0.5	48.1	0.0	0.3	0.3	49.0	47.2
Portugal	424	58.8	22.2	10.5	6.2	1.3	1.0	58.8	0.0	0.0	1.0	57.7	59.9
Romania	462	67.4	15.2	6.0	5.3	0.9	5.1	67.4	1.5	1.7	1.9	68.3	66.6
Russian Federation	527	54.3	27.2	6.7	3.9	0.3	7.6	54.3	0.0	0.8	6.7	52.7	56.0
Scotland	364	56.8	28.3	7.5	5.9	0.3	1.2	56.8	0.2	0.2	0.8	55.5	57.9
Singapore	462	74.1	17.1	4.5	2.6	1.6	0.1	74.1	0.0	0.0	0.1	73.5	74.7
Slovak Republic	469	55.1	34.2	2.9	5.2	0.7	1.9	55.1	0.8	0.0	1.1	55.8	54.3
Slovenia	371	58.1	27.7	6.3	5.8	0.0	2.1	58.1	0.8	0.0	1.4	62.3	52.9
South Africa	693	22.1	24.8	30.2	9.9	5.9	7.1	22.1	3.7	2.5	1.0	20.0	24.8
Spain	466	57.5	27.7	6.1	5.0	1.6	2.1	57.5	0.0	0.2	1.9	53.6	62.3
Sweden	355	61.6	23.8	6.7	5.3	2.2	0.4	61.6	0.0	0.0	0.4	60.4	63.4
Switzerland	506	64.0	17.0	7.6	6.2	1.9	3.3	64.0	2.1	0.3	0.9	64.5	63.4
Thailand	748	83.6	11.0	1.9	2.9	0.3	0.4	83.6	0.0	0.3	0.1	83.9	83.3
United States	472	65.0	19.1	8.5	5.7	0.1	1.6	65.0	0.0	0.7	0.9	66.1	63.7
INTERNATIONAL AVG	.	59.5	23.4	7.6	5.6	1.4	2.6	59.5	0.5	0.7	1.4	59.7	59.3

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: J16 KEY: A
 Identify coordinates for point on a grid. (Geometry)
 Difficulty: 548

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	700	56.8	6.9	32.5	2.9	1.0	56.8	0.0	0.4	0.5	61.6	50.8
Austria	379	65.4	5.9	22.2	3.0	3.4	65.4	0.0	0.4	3.1	73.2	58.4
Belgium (Fl)	348	45.9	4.7	38.1	9.0	2.2	45.9	0.0	0.0	2.2	50.8	41.2
Belgium (Fr)	280	42.1	5.9	37.9	6.7	7.4	42.1	0.7	1.3	5.5	44.9	38.5
Bulgaria	205	50.6	6.8	29.6	3.2	9.8	50.6	0.0	5.3	4.5	56.2	43.9
Canada	1033	38.3	12.7	44.3	3.5	1.1	38.3	0.0	0.1	1.0	41.2	35.3
Colombia	329	21.6	27.7	26.3	10.9	13.6	21.6	1.4	3.5	8.6	21.3	21.8
Cyprus	368	15.9	18.1	53.5	8.6	4.0	15.9	0.7	1.0	2.4	18.5	13.7
Czech Republic	431	56.6	5.5	34.1	1.9	1.8	56.6	0.1	0.5	1.3	58.8	54.3
Denmark	274	58.0	7.4	22.9	3.7	8.0	58.0	0.8	1.2	6.0	55.3	60.7
England	231	66.5	9.7	19.1	3.6	1.1	66.5	0.0	0.0	1.1	61.5	71.2
France	362	47.1	4.4	40.3	4.4	3.9	47.1	1.3	1.0	1.6	49.6	45.8
Germany	342	52.1	7.3	29.2	2.1	9.4	52.1	0.0	1.3	8.1	58.1	45.8
Greece	475	27.1	15.1	41.3	9.0	7.5	27.1	0.4	0.0	7.1	29.9	24.4
Hong Kong	423	73.7	4.5	16.8	4.0	1.0	73.7	0.0	0.0	1.0	71.5	75.2
Hungary	386	65.3	8.4	20.6	3.7	1.9	65.3	0.0	0.8	1.1	67.5	63.3
Iceland	242	51.7	12.7	28.1	5.4	2.2	51.7	0.6	0.0	1.5	57.7	45.4
Iran, Islamic Rep.	470	26.9	18.1	42.7	10.4	1.9	26.9	0.0	0.4	1.4	34.2	21.3
Ireland	382	27.4	15.4	47.6	8.1	1.5	27.4	0.6	0.0	1.0	25.3	29.7
Israel	.	.	.	.	.	.	.	.	.	.	.	.
Japan	634	80.3	4.0	12.5	2.8	0.3	80.3	0.0	0.0	0.3	84.4	76.3
Korea	366	79.4	3.9	13.7	3.0	0.0	79.4	0.0	0.0	0.0	82.7	77.0
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	338	45.2	14.5	28.3	3.7	8.3	45.2	0.0	1.6	6.8	47.7	42.1
Lithuania	319	34.7	14.7	25.5	7.6	17.5	34.7	0.8	4.6	12.1	39.4	30.6
Netherlands	261	71.3	9.1	17.4	2.2	0.0	71.3	0.0	0.0	0.0	69.8	73.8
New Zealand	409	42.1	11.0	39.1	6.8	1.0	42.1	0.2	0.0	0.8	42.7	41.6
Norway	312	34.4	13.8	42.6	4.8	4.4	34.4	0.0	0.3	4.2	34.2	34.6
Philippines	729	22.6	20.2	43.2	12.3	1.6	22.6	0.0	0.3	1.4	23.6	21.5
Portugal	424	19.4	20.3	48.1	9.7	2.4	19.4	0.0	0.0	2.4	20.0	18.8
Romania	462	32.3	17.8	32.2	7.1	10.5	32.3	0.4	1.7	8.4	29.0	35.5
Russian Federation	527	55.8	7.8	29.1	4.0	3.4	55.8	0.0	1.0	2.4	60.0	51.3
Scotland	364	63.1	12.9	17.3	5.3	1.5	63.1	0.6	0.5	0.3	68.1	58.7
Singapore	462	75.9	5.1	15.4	3.3	0.4	75.9	0.0	0.0	0.4	76.2	75.5
Slovak Republic	470	52.2	7.7	32.7	4.5	2.8	52.2	0.7	0.0	2.1	53.4	50.8
Slovenia	371	58.5	8.9	27.2	2.2	3.3	58.5	0.3	0.0	3.0	59.2	57.6
South Africa	693	12.4	32.0	29.6	20.0	6.0	12.4	0.1	2.6	3.3	10.8	14.2
Spain	466	27.8	18.2	39.6	9.5	4.9	27.8	0.0	0.2	4.7	29.7	25.6
Sweden	351	23.9	14.8	49.8	7.7	3.7	23.9	0.3	0.0	3.4	25.2	22.4
Switzerland	506	27.5	12.8	47.1	6.3	6.3	27.5	1.2	0.5	4.6	25.3	29.9
Thailand	748	64.8	5.2	22.8	6.2	1.0	64.8	0.0	0.3	0.6	64.6	64.8
United States	472	48.9	8.5	34.2	7.1	1.4	48.9	0.0	0.7	0.7	50.4	47.3
INTERNATIONAL AVG	.	46.5	11.5	31.9	6.0	4.1	46.5	0.3	0.8	3.0	48.3	44.8

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: J17 KEY: C
 Use map and scale to find distance between two cities. (Fractions and number sense)
 Difficulty: 484

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	700	9.0	16.5	67.5	6.1	0.9	67.5	0.0	0.4	0.5	63.0	73.3
Austria	379	6.6	10.8	76.3	4.7	1.6	76.3	0.0	0.6	1.0	77.7	75.1
Belgium (Fl)	348	4.9	6.8	83.9	3.8	0.6	83.9	0.0	0.0	0.6	83.5	84.4
Belgium (Fr)	280	5.0	9.9	75.9	4.2	5.0	75.9	0.6	1.6	2.8	75.3	76.9
Bulgaria	205	2.6	17.5	65.9	3.6	10.4	65.9	0.0	6.3	4.1	69.2	61.9
Canada	1033	11.1	20.6	61.8	6.1	0.4	61.8	0.0	0.1	0.3	64.2	60.4
Colombia	329	16.0	33.4	33.7	5.2	11.6	33.7	2.3	3.8	5.6	27.7	38.9
Cyprus	368	16.0	26.2	48.5	6.2	3.1	48.5	0.3	1.0	1.9	48.7	48.6
Czech Republic	431	5.2	11.5	76.0	5.7	1.6	76.0	0.6	0.5	0.5	75.5	76.6
Denmark	274	6.9	8.6	72.9	6.4	5.2	72.9	0.4	2.8	2.0	69.4	77.3
England	231	13.0	22.3	60.9	3.9	0.0	60.9	0.0	0.0	0.0	60.9	60.8
France	362	10.8	12.4	71.7	3.1	2.1	71.7	0.9	1.0	0.2	67.7	75.8
Germany	342	9.1	14.6	68.1	3.2	5.0	68.1	0.2	1.3	3.5	69.8	66.6
Greece	475	13.1	30.3	41.6	12.0	3.1	41.6	0.0	0.7	2.3	40.1	42.9
Hong Kong	423	6.2	33.1	58.9	1.1	0.7	58.9	0.0	0.0	0.7	60.7	57.9
Hungary	386	10.8	7.4	73.0	6.3	2.5	73.0	0.0	0.8	1.7	74.6	71.6
Iceland	242	8.4	18.6	68.5	4.3	0.2	68.5	0.0	0.2	0.0	72.7	64.1
Iran, Islamic Rep.	470	20.1	37.9	29.8	8.5	3.7	29.8	0.5	0.4	2.7	20.5	37.1
Ireland	382	13.9	20.6	57.6	7.0	1.0	57.6	0.8	0.0	0.3	50.1	65.9
Israel	.	.	.	.	.	.	.	.	.	.	.	.
Japan	634	4.7	17.7	75.6	1.8	0.3	75.6	0.0	0.0	0.3	73.1	78.0
Korea	366	6.3	23.7	65.1	4.9	0.0	65.1	0.0	0.0	0.0	65.1	65.1
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	338	10.4	17.3	61.4	7.8	3.2	61.4	0.0	1.8	1.4	55.9	66.8
Lithuania	319	9.1	16.8	50.1	11.2	12.9	50.1	0.0	6.8	6.1	51.8	48.5
Netherlands	261	7.4	14.6	70.9	7.0	0.0	70.9	0.0	0.0	0.0	66.8	75.4
New Zealand	409	12.6	17.8	64.2	4.9	0.5	64.2	0.0	0.0	0.5	60.9	66.9
Norway	312	9.9	15.6	68.5	4.2	1.8	68.5	0.0	0.5	1.3	70.1	66.4
Philippines	729	21.1	50.5	21.7	6.3	0.4	21.7	0.0	0.4	0.0	21.8	21.5
Portugal	424	14.0	25.5	48.2	10.2	2.2	48.2	0.0	0.0	2.2	39.0	57.9
Romania	462	11.1	23.3	49.6	7.4	8.5	49.6	0.0	2.6	5.9	44.4	54.7
Russian Federation	527	11.3	15.0	65.9	5.3	2.5	65.9	0.0	1.0	1.6	63.7	68.3
Scotland	364	14.6	21.0	55.1	7.7	1.7	55.1	0.0	0.5	1.1	51.9	58.0
Singapore	462	4.9	10.5	79.1	5.0	0.6	79.1	0.0	0.0	0.6	79.7	78.5
Slovak Republic	470	4.9	18.1	69.9	4.4	2.6	69.9	1.2	0.0	1.4	64.0	76.5
Slovenia	371	11.5	11.1	70.9	5.3	1.2	70.9	0.0	0.0	1.2	66.3	76.5
South Africa	693	24.6	30.9	23.2	16.6	4.7	23.2	0.3	3.1	1.3	19.8	27.3
Spain	466	12.3	26.3	52.7	6.6	2.1	52.7	0.0	0.5	1.6	48.6	57.7
Sweden	355	5.2	11.1	76.1	6.5	1.1	76.1	0.0	0.3	0.9	78.7	73.4
Switzerland	506	6.5	10.4	76.3	4.7	2.2	76.3	0.3	0.5	1.4	75.5	77.4
Thailand	748	6.7	20.6	66.4	4.9	1.3	66.4	0.0	0.3	0.9	67.6	64.4
United States	472	17.9	25.7	51.5	3.3	1.6	51.5	0.0	0.8	0.8	43.9	59.5
INTERNATIONAL AVG	.	10.4	19.6	61.4	5.9	2.8	61.4	0.2	1.0	1.5	59.5	63.4

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: J18 KEY: B
 Identify missing number in table showing xy relationship. (Algebra)
 Difficulty: 594

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	700	9.1	50.2	23.1	10.8	4.6	2.3	50.2	0.0	0.8	1.6	49.2	51.5
Austria	379	11.7	33.6	24.0	22.2	5.0	3.5	33.6	0.0	0.6	3.0	28.9	37.8
Belgium (Fl)	348	7.8	44.7	29.7	13.0	3.5	1.2	44.7	0.0	0.0	1.2	44.1	45.4
Belgium (Fr)	280	15.5	27.7	19.7	17.6	6.1	13.5	27.7	0.3	1.6	11.5	24.3	30.5
Bulgaria	205	8.9	35.3	17.8	21.8	5.9	10.4	35.3	0.0	6.3	4.2	35.3	35.2
Canada	1033	12.2	39.6	27.6	14.3	5.2	1.1	39.6	0.2	0.1	0.8	40.2	39.1
Colombia	329	13.4	33.3	8.7	16.4	12.7	15.4	33.3	2.8	4.3	8.3	34.6	32.2
Cyprus	368	16.3	27.3	24.1	16.2	10.4	5.8	27.3	1.8	1.4	2.5	30.5	24.3
Czech Republic	431	10.8	36.0	21.7	19.4	6.3	5.8	36.0	1.7	0.5	3.7	38.3	33.7
Denmark	274	10.1	34.6	18.9	18.2	4.9	13.4	34.6	2.2	3.3	7.9	28.4	41.1
England	231	8.6	50.8	20.9	11.8	5.6	2.2	50.8	0.0	0.0	2.2	50.3	51.3
France	362	11.2	34.3	22.8	19.8	6.4	5.4	34.3	0.0	1.0	4.4	30.7	37.3
Germany	342	9.5	33.2	18.3	15.4	7.8	15.8	33.2	0.9	1.7	13.2	30.3	35.8
Greece	475	13.1	29.7	22.9	19.0	8.2	7.1	29.7	0.9	0.7	5.4	27.1	32.1
Hong Kong	423	11.6	47.6	26.0	9.6	4.0	1.2	47.6	0.5	0.0	0.7	48.0	47.6
Hungary	386	13.6	43.9	19.0	13.3	3.6	6.5	43.9	0.0	0.8	5.7	48.3	40.0
Iceland	242	11.9	41.2	21.1	16.6	6.9	2.3	41.2	0.8	0.2	1.3	40.5	42.0
Iran, Islamic Rep.	470	15.8	25.3	21.4	22.1	12.0	3.3	25.3	0.2	0.5	2.6	25.8	25.0
Ireland	382	14.4	36.8	24.3	15.1	7.3	2.1	36.8	1.1	0.0	1.0	35.3	38.6
Israel	.	.	.	.	.	.	.	.	.	.	.	.	.
Japan	634	7.3	48.2	25.6	13.3	4.4	1.1	48.2	0.0	0.0	1.1	43.7	52.5
Korea	366	5.2	58.8	18.0	13.4	4.4	0.3	58.8	0.0	0.0	0.3	55.7	61.0
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	333	15.3	27.4	20.2	20.9	6.0	10.2	27.4	0.0	1.8	8.4	26.5	28.6
Lithuania	319	14.2	20.6	17.6	17.2	6.3	24.1	20.6	1.1	8.8	14.2	20.7	20.4
Netherlands	261	4.8	45.9	30.7	12.1	4.5	2.0	45.9	0.0	0.0	2.0	47.5	44.5
New Zealand	409	8.0	42.3	24.6	16.2	7.1	1.7	42.3	0.3	0.0	1.4	39.7	44.4
Norway	312	7.7	33.9	18.8	17.0	13.9	8.7	33.9	0.0	0.5	8.2	30.2	38.6
Philippines	729	24.0	23.2	25.8	16.2	10.2	0.7	23.2	0.0	0.4	0.3	24.1	22.1
Portugal	424	12.7	32.1	23.3	20.9	6.9	4.0	32.1	0.2	0.0	3.8	26.7	37.8
Romania	452	17.1	29.1	13.2	15.0	5.4	20.1	29.1	9.8	3.0	7.3	27.7	30.5
Russian Federation	527	10.8	27.1	22.9	18.6	7.0	13.6	27.1	0.3	1.8	11.5	24.5	29.8
Scotland	364	9.0	44.7	21.8	12.5	9.0	3.0	44.7	0.3	0.5	2.1	50.9	39.4
Singapore	462	11.7	40.0	28.5	14.0	5.7	0.2	40.0	0.0	0.0	0.2	40.3	39.7
Slovak Republic	468	10.5	36.4	18.7	22.3	6.1	6.0	36.4	1.7	0.0	4.4	32.0	41.2
Slovenia	369	11.6	37.3	22.2	15.2	7.3	6.3	37.3	0.7	0.3	5.4	33.3	42.1
South Africa	693	28.5	25.5	16.2	11.3	10.4	8.0	25.5	2.9	3.4	1.8	24.7	26.9
Spain	466	11.9	33.0	22.8	20.3	7.3	4.7	33.0	0.0	1.0	3.7	31.0	35.4
Sweden	355	9.1	35.3	24.1	16.5	9.8	5.2	35.3	1.0	0.3	3.9	32.8	38.0
Switzerland	506	9.7	37.1	22.9	15.4	8.3	6.8	37.1	1.2	0.5	5.0	37.5	36.8
Thailand	748	11.4	31.6	22.3	23.2	9.4	2.3	31.6	0.3	0.4	1.6	32.5	29.9
United States	472	11.9	36.1	27.6	15.0	7.2	2.1	36.1	0.8	0.8	0.5	31.4	41.0
INTERNATIONAL AVG	.	11.9	36.3	22.0	16.5	7.1	6.2	36.3	0.8	1.2	4.2	35.1	37.5

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: K01 KEY: D
 Identify circle with same fraction shaded as rectangular figure. (Fractions and number sense)
 Difficulty: 464

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	694	11.2	4.8	6.7	65.7	10.4	1.2	65.7	0.0	0.0	1.2	64.4	66.9
Austria	377	11.2	3.0	5.4	71.2	8.8	0.4	71.2	0.0	0.0	0.4	67.4	75.2
Belgium (Fl)	358	7.5	2.8	2.2	83.5	3.8	0.2	83.5	0.0	0.0	0.2	82.6	84.3
Belgium (Fr)	288	9.6	3.2	8.7	64.1	10.3	4.2	64.1	0.5	0.0	3.7	63.1	67.0
Bulgaria	288	7.2	2.1	8.6	67.6	7.4	7.2	67.6	0.6	0.6	6.0	67.8	66.3
Canada	1013	11.9	3.2	8.9	64.5	10.2	1.3	64.5	0.1	0.0	1.3	61.1	68.4
Colombia	332	8.9	4.8	13.1	47.6	18.3	7.2	47.6	2.5	0.3	4.4	38.7	57.6
Cyprus	376	13.9	5.8	7.9	59.3	9.5	3.5	59.3	1.2	0.2	2.1	58.0	60.7
Czech Republic	424	6.7	2.9	6.5	77.4	5.1	1.4	77.4	0.4	0.0	1.0	70.8	83.7
Denmark	271	9.2	5.3	6.0	62.2	10.0	7.4	62.2	0.4	0.2	6.8	57.8	65.9
England	227	7.8	3.8	4.8	75.9	7.2	0.4	75.9	0.0	0.0	0.4	80.2	71.7
France	371	14.6	4.6	5.2	62.3	12.5	0.7	62.3	0.3	0.0	0.5	61.2	64.2
Germany	369	12.9	4.4	6.0	65.4	5.7	5.6	65.4	0.9	0.7	4.0	68.9	62.8
Greece	491	12.3	6.4	7.9	58.0	11.9	3.4	58.0	0.4	0.0	3.0	57.3	58.6
Hong Kong	423	8.7	4.8	5.8	72.3	6.4	2.1	72.3	0.0	0.3	1.8	73.7	71.1
Hungary	383	9.9	3.0	6.6	71.2	7.1	2.3	71.2	0.0	0.3	2.0	72.3	69.7
Iceland	246	6.6	4.4	7.9	73.8	3.3	4.0	73.8	0.2	0.0	3.7	67.1	78.9
Iran, Islamic Rep.	465	10.6	8.5	19.4	42.4	15.5	3.6	42.4	0.2	0.2	3.2	32.3	50.3
Ireland	382	12.7	2.3	6.1	68.7	8.6	1.7	68.7	0.6	0.0	1.1	64.6	73.4
Israel	.	.	.	.	.	.	.	.	.	.	.	.	.
Japan	645	7.4	3.1	4.5	80.3	4.3	0.5	80.3	0.0	0.0	0.5	77.4	82.9
Korea	379	7.6	6.7	4.2	76.2	5.3	0.0	76.2	0.0	0.0	0.0	75.2	77.0
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	317	13.2	4.0	7.7	67.6	5.2	2.3	67.6	0.0	0.6	1.7	66.8	68.8
Lithuania	317	11.1	7.1	10.3	52.3	9.5	9.7	52.3	0.5	0.6	8.6	45.2	59.6
Netherlands	262	11.7	4.9	1.5	73.2	7.8	0.9	73.2	0.0	0.0	0.9	72.4	74.4
New Zealand	395	9.6	2.2	7.9	70.2	9.1	1.0	70.2	0.4	0.2	0.4	65.9	73.7
Norway	305	10.3	2.7	5.6	70.8	7.9	2.8	70.8	0.0	0.4	2.3	63.8	77.5
Philippines	728	15.1	14.3	18.1	34.5	17.4	0.5	34.5	0.1	0.0	0.4	33.1	36.2
Portugal	420	8.5	4.9	9.1	64.3	12.1	1.2	64.3	0.0	0.0	1.2	60.2	68.6
Romania	462	6.8	6.1	9.8	59.3	9.5	8.5	59.3	1.4	0.2	6.9	58.9	59.7
Russian Federation	530	14.3	5.0	7.6	61.9	7.2	4.0	61.9	0.0	0.0	4.0	62.4	61.3
Scotland	348	11.2	4.9	2.5	67.8	12.7	0.9	67.8	0.2	0.0	0.7	64.3	71.0
Singapore	437	9.7	4.0	5.5	72.4	8.0	0.5	72.4	0.0	0.1	0.4	69.8	74.6
Slovak Republic	463	7.1	4.0	7.1	71.6	9.1	1.1	71.6	0.0	0.0	1.1	72.4	70.7
Slovenia	356	9.3	3.6	6.0	69.2	9.8	2.0	69.2	0.3	0.0	1.7	66.1	72.6
South Africa	682	9.1	16.1	19.2	23.7	20.0	11.9	23.7	1.3	0.0	10.7	22.3	25.7
Spain	477	9.2	4.5	8.1	66.0	10.7	1.6	66.0	0.0	0.0	1.6	66.0	65.9
Sweden	363	11.0	3.4	5.0	71.1	7.9	1.6	71.1	0.6	0.3	0.7	68.4	74.1
Switzerland	500	9.9	3.5	6.5	67.7	10.4	1.9	67.7	0.5	0.0	1.4	65.7	69.4
Thailand	739	7.4	3.4	14.7	63.7	9.4	1.4	63.7	0.0	0.0	1.4	62.0	66.4
United States	479	11.2	4.7	9.1	62.6	11.2	1.1	62.6	0.3	0.1	0.7	58.7	67.2
INTERNATIONAL AVG	.	10.1	4.8	7.8	65.0	9.4	2.8	65.0	0.3	0.1	2.4	62.7	67.3

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: K02
 Find total volume of mixture using rational number addition. (Fractions and number sense)
 Difficulty: 487

COUNTRY	N	10	19	70	71	72	79	90	99	V1	NOT	1.GIRL	2.BOY	
											REACH			OMIT	% Right	% Right
Australia	694	64.5	0.0	3.9	4.1	4.8	13.6	1.7	7.4	64.5	0.0	7.4	70.7	58.3
Austria	377	69.7	0.0	6.8	2.5	0.3	11.6	1.2	7.8	69.7	0.0	7.8	74.8	63.4
Belgium (Fl)	358	79.0	0.0	4.8	5.3	0.3	6.8	0.0	3.8	79.0	0.0	3.8	86.9	72.3
Belgium (Fr)	288	0.0	69.4	0.0	0.0	0.0	25.2	0.0	5.4	69.4	0.0	5.4	70.5	67.6
Bulgaria	288	62.1	0.0	0.5	4.4	0.3	3.5	1.5	27.8	62.1	0.6	27.3	60.1	63.3
Canada	1013	70.0	0.3	1.4	3.2	5.8	11.5	0.9	7.0	70.2	0.0	7.0	72.4	68.6
Colombia	332	20.1	0.0	2.4	4.0	25.7	26.0	0.2	21.6	20.1	0.3	21.4	16.6	23.7
Cyprus	376	51.7	0.0	3.6	4.8	0.3	13.3	0.0	26.3	51.7	0.2	26.2	56.8	46.8
Czech Republic	424	58.5	0.0	3.5	6.1	1.2	15.2	0.6	15.0	58.5	0.0	15.0	54.5	62.2
Denmark	271	39.9	0.0	7.1	7.2	1.8	11.6	0.2	32.2	39.9	0.2	32.0	42.5	36.9
England	227	42.0	0.4	13.9	5.2	10.4	22.4	1.3	4.4	42.4	0.0	4.4	42.7	42.2
France	371	64.6	0.2	3.5	7.0	0.0	7.9	0.0	16.8	64.7	0.0	16.8	71.0	58.4
Germany	369	55.4	0.9	7.0	4.5	1.6	12.5	0.7	17.4	56.3	0.7	16.6	61.5	51.0
Greece	491	46.2	0.4	2.4	2.3	1.5	15.1	2.5	29.7	46.6	0.2	29.5	52.2	41.5
Hong Kong	423	66.0	0.0	1.2	4.4	0.2	19.5	2.3	6.3	66.0	0.3	6.0	75.5	58.2
Hungary	383	75.9	1.3	4.4	4.5	0.2	9.0	0.2	4.6	77.2	0.3	4.3	82.0	71.0
Iceland	246	55.0	0.0	9.8	6.5	1.5	16.8	2.5	7.9	55.0	0.0	7.9	62.9	49.2
Iran, Islamic Rep.	465	43.9	0.4	8.5	6.5	1.5	23.2	0.3	15.7	44.3	0.2	15.5	43.1	44.9
Ireland	382	70.3	1.1	3.7	3.8	2.6	13.8	1.3	3.4	71.3	0.0	3.4	72.2	70.3
Israel	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Japan	645	81.6	0.0	0.3	5.8	0.6	7.6	0.4	3.8	81.6	0.0	3.8	79.5	83.5
Korea	379	70.6	0.2	0.8	0.4	4.4	19.3	0.0	4.3	70.8	0.0	4.3	70.1	71.3
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	318	39.6	0.3	8.2	2.8	0.5	18.8	0.8	28.9	39.9	0.6	28.3	42.4	37.0
Lithuania	317	35.1	0.0	3.0	1.8	0.0	11.6	2.3	46.2	35.1	0.6	45.6	38.5	31.7
Netherlands	262	45.3	0.3	10.5	6.3	3.2	19.7	5.2	9.5	45.6	0.0	9.5	47.3	44.5
New Zealand	395	49.1	0.0	3.7	6.9	13.9	19.4	0.0	7.0	49.1	0.2	6.8	54.2	44.9
Norway	305	43.2	0.0	8.8	5.3	2.2	15.1	6.8	18.6	43.2	0.4	18.1	38.8	47.3
Philippines	728	42.4	0.0	3.4	3.4	6.3	30.1	1.1	13.2	42.4	0.0	13.2	45.6	39.1
Portugal	420	60.4	0.5	2.2	5.2	4.1	9.4	2.1	16.0	60.9	0.0	16.0	67.8	53.5
Romania	462	59.4	0.2	6.3	2.1	0.6	11.0	0.0	20.5	59.6	0.2	20.3	64.2	54.0
Russian Federation	530	65.3	0.0	2.3	3.3	0.4	12.5	0.2	16.1	65.3	0.0	16.1	68.0	62.4
Scotland	348	39.6	0.0	10.1	4.6	11.4	25.4	1.5	7.4	39.6	0.0	7.4	46.2	32.7
Singapore	437	87.2	0.0	0.2	4.0	0.0	8.0	0.0	0.6	87.2	0.1	0.5	90.9	83.8
Slovak Republic	464	66.6	0.2	4.6	4.9	1.3	11.0	0.5	10.9	66.8	0.0	10.9	72.1	60.9
Slovenia	356	66.6	0.3	3.9	1.5	0.9	12.5	0.8	13.4	66.9	0.0	13.4	68.6	65.1
South Africa	682	26.0	1.6	2.1	2.3	5.1	48.8	0.4	13.6	27.6	0.2	13.3	24.7	30.3
Spain	477	67.1	0.0	0.6	3.4	1.3	15.5	0.1	12.0	67.1	0.0	12.0	69.3	64.8
Sweden	363	49.5	0.2	10.2	3.4	3.9	18.3	4.6	9.9	49.7	0.3	9.7	54.6	45.4
Switzerland	500	59.8	0.0	7.9	4.4	4.2	11.9	3.1	8.7	59.8	0.0	8.7	63.9	56.4
Thailand	739	73.2	0.8	2.9	6.1	2.7	10.1	0.1	4.0	74.0	0.0	4.0	75.6	72.0
United States	479	60.3	0.2	2.4	5.4	4.2	20.1	1.2	6.3	60.6	0.3	6.0	61.8	59.1
INTERNATIONAL AVG	.	55.6	2.0	4.6	4.2	3.3	15.9	1.2	13.3	57.6	0.1	13.1	60.3	54.7

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: K03 KEY: A
 Identify figure from rotation of 3-dimensional object. (Geometry)
 Difficulty: 478

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	694	68.6	9.1	18.9	1.7	1.7	68.6	0.0	0.0	1.7	68.1	69.0
Austria	377	69.8	9.4	11.2	3.8	5.8	69.8	1.6	0.0	4.1	67.1	72.9
Belgium (Fl)	358	83.0	4.4	10.2	1.1	1.3	83.0	0.0	0.0	1.3	83.5	82.6
Belgium (Fr)	288	75.9	6.6	13.4	0.5	3.6	75.9	0.3	0.0	3.4	76.1	75.5
Bulgaria	288	48.1	16.2	22.9	4.3	8.4	48.1	1.1	0.6	6.8	51.1	44.4
Canada	1013	67.6	9.0	20.0	2.2	1.3	67.6	0.6	0.0	0.6	66.6	69.4
Colombia	332	45.5	24.4	20.7	5.4	4.0	45.5	0.3	0.5	3.2	43.1	48.5
Cyprus	376	48.8	14.7	25.7	4.0	6.7	48.8	0.0	0.2	6.6	48.9	48.6
Czech Republic	424	78.1	5.8	9.9	3.5	2.7	78.1	1.7	0.0	1.0	77.9	78.2
Denmark	271	68.4	8.1	11.9	4.7	6.9	68.4	2.0	0.2	4.8	66.0	70.5
England	227	71.8	10.8	10.8	1.3	5.2	71.8	0.0	0.0	5.2	68.7	74.8
France	371	70.9	9.5	11.8	3.3	4.4	70.9	2.8	0.0	1.6	75.2	66.6
Germany	369	72.3	5.8	9.0	2.6	10.2	72.3	4.1	0.7	5.4	72.5	73.3
Greece	491	54.6	16.4	22.5	3.5	3.1	54.6	1.4	0.2	1.5	53.8	55.3
Hong Kong	424	71.9	6.3	10.8	6.5	4.5	71.9	0.0	0.3	4.2	76.0	68.4
Hungary	383	61.2	11.3	16.5	6.9	4.1	61.2	0.0	0.3	3.8	58.2	65.0
Iceland	246	70.7	7.5	15.7	0.2	5.9	70.7	3.3	0.0	2.6	65.2	74.8
Iran, Islamic Rep.	465	51.6	19.7	25.5	1.9	1.3	51.6	0.0	0.2	1.1	48.1	54.7
Ireland	382	69.4	11.5	15.5	1.4	2.3	69.4	1.8	0.0	0.5	64.4	75.0
Israel	.	.	.	.	.	.	.	.	.	.	.	.
Japan	645	74.0	7.4	15.7	2.2	0.7	74.0	0.2	0.0	0.5	70.5	77.2
Korea	379	62.4	10.3	21.7	5.1	0.4	62.4	0.0	0.0	0.4	58.7	65.1
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	317	85.3	4.0	6.5	2.0	2.2	85.3	0.0	0.8	1.4	81.4	89.5
Lithuania	317	60.2	16.7	16.0	3.1	4.1	60.2	1.1	0.6	2.3	59.6	60.8
Netherlands	262	63.9	6.5	22.2	4.1	3.3	63.9	2.4	0.0	0.9	66.9	61.2
New Zealand	395	65.1	9.8	18.9	3.0	3.2	65.1	2.4	0.2	0.6	61.4	68.2
Norway	305	73.2	5.5	13.8	2.4	5.2	73.2	0.0	0.4	4.7	71.2	75.1
Philippines	728	36.1	23.8	34.5	3.6	2.1	36.1	0.1	0.0	1.9	35.7	36.4
Portugal	420	51.2	19.8	24.9	2.2	1.8	51.2	0.0	0.0	1.8	44.4	58.5
Romania	460	50.1	19.2	13.2	3.0	14.5	50.1	10.0	0.2	4.3	44.6	56.6
Russian Federation	530	69.1	12.7	8.1	6.0	4.1	69.1	2.1	0.0	2.0	67.2	71.1
Scotland	348	65.2	12.0	17.4	3.0	2.4	65.2	1.9	0.0	0.5	60.1	70.0
Singapore	437	77.1	6.5	13.7	1.7	1.0	77.1	0.0	0.1	0.8	72.6	81.2
Slovak Republic	464	70.6	13.7	11.2	1.7	2.7	70.6	1.9	0.0	0.9	66.4	75.3
Slovenia	356	71.5	11.4	14.2	0.0	2.9	71.5	1.5	0.0	1.4	68.6	74.7
South Africa	682	30.0	29.4	18.7	6.9	15.0	30.0	0.4	0.2	14.4	26.5	35.2
Spain	477	67.9	11.2	17.8	1.2	1.9	67.9	0.0	0.0	1.9	66.2	69.6
Sweden	362	49.2	16.7	15.0	17.3	1.7	49.2	0.4	0.3	1.0	42.8	55.6
Switzerland	500	78.8	4.7	12.7	1.1	2.7	78.8	1.6	0.0	1.1	78.3	79.4
Thailand	739	42.4	17.3	36.1	3.6	0.5	42.4	0.0	0.0	0.5	41.4	44.1
United States	479	62.9	11.2	20.2	3.0	2.8	62.9	0.9	0.3	1.6	64.6	60.9
INTERNATIONAL AVG	.	63.9	11.9	16.9	3.4	4.0	63.9	1.2	0.2	2.6	62.0	65.8

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: K04 KEY: C
 Identify expression equivalent to linear inequality. (Algebra)
 Difficulty: 606

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	694	42.0	10.0	33.8	3.2	7.7	3.4	33.8	0.0	0.0	3.4	33.8	33.8
Austria	377	31.2	6.9	43.1	5.1	8.1	5.7	43.1	1.3	0.0	4.4	45.7	40.2
Belgium (Fl)	358	24.6	6.0	54.1	5.0	6.3	4.0	54.1	0.0	0.0	4.0	55.1	53.2
Belgium (Fr)	288	23.9	8.3	37.6	4.2	8.1	17.9	37.6	0.0	0.0	17.9	34.9	40.2
Bulgaria	288	29.4	2.8	53.3	1.7	1.9	10.9	53.3	0.7	0.6	9.7	56.9	49.7
Canada	1013	40.8	9.6	36.8	3.6	7.2	2.1	36.8	0.1	0.0	2.0	40.3	33.2
Colombia	332	44.8	9.2	30.0	2.4	5.5	8.1	30.0	0.0	0.5	7.5	27.5	32.2
Cyprus	376	33.3	8.4	40.7	5.2	7.6	4.7	40.7	0.1	0.2	4.5	35.2	45.9
Czech Republic	424	39.6	8.5	37.2	1.1	8.8	4.8	37.2	0.0	0.0	4.8	40.0	34.5
Denmark	271	40.0	9.5	24.3	3.6	3.2	19.5	24.3	0.2	0.2	19.1	20.7	27.3
England	227	46.8	10.0	31.1	3.3	7.1	1.7	31.1	0.0	0.0	1.7	27.9	34.0
France	371	35.9	9.2	33.0	4.2	5.6	12.1	33.0	0.7	0.0	11.4	35.1	30.9
Germany	369	37.2	6.0	24.7	5.5	2.4	24.2	24.7	1.4	1.0	21.7	22.1	27.6
Greece	491	46.6	7.4	28.9	4.6	6.1	6.4	28.9	0.2	0.2	6.0	29.2	28.6
Hong Kong	424	22.3	5.9	53.5	7.0	8.2	3.0	53.5	0.2	0.3	2.5	49.6	56.7
Hungary	383	30.1	6.7	42.2	3.6	5.8	11.6	42.2	0.0	0.3	11.4	48.1	34.7
Iceland	246	34.7	18.5	27.7	8.3	6.1	4.6	27.7	0.0	0.0	4.6	27.3	28.0
Iran, Islamic Rep.	465	43.1	7.1	33.5	4.3	8.5	3.6	33.5	0.0	0.2	3.4	36.0	31.0
Ireland	382	36.3	7.4	42.8	1.7	10.1	1.7	42.8	0.3	0.0	1.4	43.8	41.6
Israel	.	.	.	.	.	.	.	.	.	.	.	.	.
Japan	645	19.9	9.1	47.2	10.0	11.7	2.1	47.2	0.3	0.0	1.9	40.5	53.4
Korea	379	28.0	3.1	55.5	5.8	7.3	0.5	55.5	0.0	0.0	0.5	51.1	58.7
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	317	45.5	6.5	33.3	2.3	5.1	7.4	33.3	0.0	0.8	6.5	28.0	38.9
Lithuania	317	33.6	4.9	15.9	6.0	2.8	36.7	15.9	0.2	0.6	35.8	14.3	17.6
Netherlands	262	32.1	8.2	39.5	1.9	9.1	9.1	39.5	0.0	0.0	9.1	47.0	32.8
New Zealand	395	42.4	15.0	27.2	5.5	8.5	1.3	27.2	0.3	0.2	0.8	19.9	33.3
Norway	305	43.9	10.1	28.5	3.4	5.7	8.4	28.5	0.1	0.4	7.9	28.6	28.3
Philippines	728	39.8	11.3	37.9	3.7	6.9	0.4	37.9	0.0	0.0	0.4	41.4	33.8
Portugal	420	55.3	7.0	23.0	4.0	7.7	3.1	23.0	0.0	0.0	3.1	22.1	24.0
Romania	463	37.5	7.7	36.2	4.0	5.9	8.6	36.2	1.0	0.2	7.3	37.0	35.4
Russian Federation	530	40.3	5.6	36.1	1.9	6.0	10.2	36.1	0.2	0.0	10.0	35.4	36.9
Scotland	348	49.2	8.6	22.0	4.3	10.6	5.3	22.0	0.3	0.0	5.0	19.6	24.2
Singapore	437	20.6	5.9	55.8	7.3	10.1	0.3	55.8	0.0	0.1	0.2	57.2	54.4
Slovak Republic	464	37.3	8.2	36.9	4.4	6.6	6.6	36.9	0.5	0.0	6.0	36.1	38.0
Slovenia	356	33.8	5.9	42.8	2.8	6.7	7.9	42.8	0.5	0.0	7.4	41.2	44.6
South Africa	682	56.4	8.5	19.9	5.5	5.9	3.8	19.9	0.7	0.6	2.4	19.6	19.1
Spain	477	48.2	4.2	33.1	2.5	7.2	4.8	33.1	0.0	0.0	4.8	35.3	30.9
Sweden	362	33.5	9.4	39.0	6.0	9.8	2.3	39.0	0.0	0.3	2.1	38.4	39.8
Switzerland	500	39.3	9.8	32.7	4.1	5.4	8.7	32.7	0.4	0.0	8.3	34.8	30.7
Thailand	.	.	.	.	.	.	.	.	.	.	.	.	.
United States	479	34.9	10.3	38.1	5.9	9.0	1.7	38.1	0.0	0.3	1.4	39.9	36.1
INTERNATIONAL AVG	.	37.3	8.1	36.1	4.3	7.0	7.2	36.1	0.3	0.2	6.7	35.8	36.3

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: K05
 Calculate area of a rectangle given its length and perimeter. (Measurement)
 Difficulty: 613

COUNTRY	N	10	70	71	72	73	74	79	90	99	V1	NOT	1. GIRL	2. BOY	
												REACH			% Right
												ED			
Australia	694	34.8	7.0	3.7	1.3	4.6	17.3	20.4	1.5	9.5	34.8	0.0	9.5	34.3	35.2
Austria	377	38.6	2.6	5.0	1.7	3.9	18.9	19.7	1.9	7.8	38.6	0.0	7.8	40.4	37.6
Belgium (Fl)	358	51.1	0.6	4.2	1.7	3.1	16.6	19.3	0.2	3.3	51.1	0.0	3.3	53.5	49.0
Belgium (Fr)	288	50.1	0.0	0.0	0.0	0.0	0.0	34.2	0.0	15.7	50.1	0.9	14.8	50.7	49.7
Bulgaria	288	49.0	1.0	2.6	0.4	0.9	0.7	11.6	1.3	32.5	49.0	0.6	31.9	45.4	51.9
Canada	1013	33.3	7.0	4.0	0.7	2.3	19.3	24.0	1.5	7.9	33.3	0.0	7.9	33.7	33.3
Colombia	332	0.8	16.7	2.8	2.4	4.9	13.2	26.8	0.5	31.8	0.8	0.5	31.3	.	1.6
Cyprus	376	27.1	4.9	5.5	0.0	3.0	19.0	16.5	0.0	24.1	27.1	0.2	23.9	26.2	28.0
Czech Republic	424	42.5	2.8	3.1	2.1	2.0	10.0	18.6	2.6	16.5	42.5	0.0	16.5	39.9	44.9
Denmark	271	27.4	4.3	3.7	2.0	1.5	17.3	17.0	0.0	26.7	27.4	0.2	26.5	27.2	27.5
England	227	33.2	14.5	4.6	0.4	1.8	13.0	25.3	1.4	5.9	33.2	0.0	5.9	32.9	33.4
France	371	35.7	2.6	4.4	1.3	3.0	14.2	19.2	0.0	19.6	35.7	0.0	19.6	42.2	30.0
Germany	369	17.2	3.9	2.8	1.3	0.9	21.6	19.3	0.6	32.4	17.2	1.5	31.0	15.8	19.1
Greece	491	15.3	6.7	5.1	0.9	1.6	14.2	22.7	1.6	32.0	15.3	0.2	31.8	16.2	14.5
Hong Kong	424	62.5	0.8	2.7	1.5	4.0	10.0	11.7	1.1	5.7	62.5	0.3	5.5	63.2	62.0
Hungary	383	32.2	3.8	3.8	1.2	2.4	10.5	25.3	1.5	19.3	32.2	0.3	19.0	32.1	32.3
Iceland	246	19.8	4.8	6.0	0.6	0.2	14.8	36.6	1.7	15.5	19.8	0.0	15.5	21.3	18.6
Iran, Islamic Rep.	465	5.4	2.3	8.1	6.7	1.4	25.2	37.4	0.6	12.8	5.4	0.2	12.6	2.6	7.6
Ireland	382	28.8	3.2	4.9	5.4	2.7	30.0	18.3	1.3	5.2	28.8	0.0	5.2	23.7	34.6
Israel	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Japan	645	59.2	0.8	4.5	1.4	4.7	14.6	11.4	0.0	3.4	59.2	0.0	3.4	59.0	59.4
Korea	379	59.8	1.5	2.1	3.2	4.9	8.6	15.3	0.0	4.5	59.8	0.0	4.5	59.4	60.1
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	318	27.4	4.9	4.0	0.9	1.2	4.1	32.4	1.6	23.7	27.4	1.1	22.6	22.3	32.0
Lithuania	317	22.3	4.1	1.6	1.0	1.8	4.4	27.7	2.6	34.6	22.3	0.9	33.7	21.0	23.6
Netherlands	262	35.9	1.1	3.6	0.3	1.1	22.2	28.3	3.9	3.4	35.9	0.0	3.4	28.7	42.2
New Zealand	395	22.3	8.4	6.4	0.0	0.8	15.8	37.3	0.0	8.9	22.3	0.2	8.7	20.8	23.5
Norway	305	25.5	4.2	6.2	1.1	1.8	15.4	26.1	5.7	13.9	25.5	0.4	13.5	22.3	28.5
Philippines	728	5.4	19.4	1.2	1.6	0.8	34.1	22.3	5.9	9.3	5.4	0.0	9.3	5.2	5.5
Portugal	420	14.5	10.5	2.8	0.6	0.6	13.9	29.9	2.3	24.8	14.5	0.0	24.8	10.2	19.1
Romania	463	39.7	2.7	3.5	1.2	1.8	3.7	24.7	0.6	22.0	39.7	0.2	21.7	40.0	39.3
Russian Federation	530	35.4	3.3	4.5	1.9	3.5	9.7	20.8	1.6	19.5	35.4	0.0	19.5	32.3	38.7
Scotland	348	21.9	10.0	5.6	2.2	2.9	13.3	30.9	2.4	10.9	21.9	0.0	10.9	21.8	21.7
Singapore	437	75.1	0.8	5.3	0.6	1.4	5.4	9.4	0.2	1.9	75.1	0.1	1.7	77.0	73.4
Slovak Republic	464	40.0	3.0	5.5	1.2	3.6	7.3	19.9	3.4	16.1	40.0	0.0	16.1	40.8	39.2
Slovenia	356	29.0	5.0	4.7	1.3	2.0	12.3	22.9	4.2	18.5	29.0	0.0	18.5	29.7	28.4
South Africa	682	4.1	22.1	1.9	0.7	0.8	15.7	39.8	1.0	14.0	4.1	0.6	13.4	2.6	6.1
Spain	477	19.8	5.4	4.5	2.7	1.3	19.6	24.4	0.6	21.8	19.8	0.0	21.8	18.4	21.1
Sweden	362	31.0	7.8	5.8	0.7	0.8	18.7	26.4	3.6	5.2	31.0	0.3	4.9	31.6	30.6
Switzerland	500	39.6	3.7	2.4	1.8	2.2	14.7	23.0	2.7	9.7	39.6	0.0	9.7	39.4	39.8
Thailand	739	23.0	6.9	6.8	2.0	1.8	27.5	26.6	0.2	5.1	23.0	0.0	5.1	24.5	21.5
United States	479	17.7	11.4	3.4	1.4	2.7	24.5	27.5	2.3	9.0	17.7	0.3	8.7	18.7	16.6
INTERNATIONAL AVG	.	31.3	5.7	4.1	1.5	2.2	14.8	23.8	1.6	15.1	31.3	0.2	14.9	31.5	32.0

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: K06 KEY: D
 Approximate amount increased by 15%. (Fractions and number sense)
 Difficulty: 604

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	694	9.9	7.6	14.6	42.0	25.1	0.8	42.0	0.0	0.0	0.8	39.8	44.1
Austria	377	10.3	6.1	11.8	50.7	18.5	2.6	50.7	0.0	0.0	2.6	50.5	50.3
Belgium (Fl)	358	11.8	5.9	10.8	52.6	16.2	2.7	52.6	0.0	0.0	2.7	51.2	53.7
Belgium (Fr)	288	12.1	6.8	11.3	45.1	18.3	6.3	45.1	0.0	0.9	5.4	42.7	46.8
Bulgaria	288	16.3	6.5	13.4	36.1	14.9	12.8	36.1	0.0	0.6	12.3	31.3	40.1
Canada	1013	14.6	7.5	15.6	33.4	27.8	1.1	33.4	0.0	0.1	1.0	33.0	33.4
Colombia	332	24.8	11.5	20.8	15.0	18.2	9.8	15.0	0.1	1.0	8.7	14.0	16.3
Cyprus	376	17.0	14.8	22.7	24.9	16.9	3.6	24.9	0.0	0.2	3.4	21.1	28.6
Czech Republic	424	16.7	7.1	11.7	45.2	14.1	5.1	45.2	0.9	0.0	4.2	37.1	52.9
Denmark	271	7.9	7.8	16.9	34.2	24.7	8.5	34.2	0.0	0.2	8.3	28.1	39.3
England	227	10.5	7.2	13.5	35.3	32.9	0.5	35.3	0.0	0.0	0.5	28.1	42.1
France	371	13.7	9.4	16.5	38.0	17.3	5.0	38.0	0.8	0.0	4.2	39.4	35.0
Germany	369	11.6	6.2	17.2	43.2	14.7	7.1	43.2	0.6	1.5	5.0	42.8	43.4
Greece	491	17.3	7.0	16.7	34.0	21.3	3.7	34.0	0.2	0.2	3.3	29.7	37.9
Hong Kong	424	12.3	6.1	17.0	48.5	15.0	1.2	48.5	0.0	0.3	0.9	43.1	53.0
Hungary	383	12.8	8.1	10.0	44.1	21.0	3.9	44.1	0.0	0.3	3.7	43.5	44.9
Iceland	246	7.9	10.9	21.4	39.1	19.8	0.9	39.1	0.2	0.0	0.7	27.4	47.7
Iran, Islamic Rep.	465	29.5	11.7	24.9	11.7	16.2	6.0	11.7	0.0	0.2	5.8	10.4	12.7
Ireland	382	15.0	7.6	10.5	44.2	21.3	1.4	44.2	0.5	0.0	1.0	41.1	47.7
Israel	.	.	.	.	.	.	.	.	.	.	.	.	.
Japan	645	14.6	8.4	12.4	49.2	15.0	0.3	49.2	0.0	0.2	0.1	43.3	54.7
Korea	379	18.2	8.5	14.0	43.8	14.4	1.0	43.8	0.0	0.0	1.0	44.6	43.2
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	317	17.2	12.1	19.8	24.9	19.6	6.3	24.9	0.0	1.1	5.2	23.2	25.9
Lithuania	317	19.0	10.6	12.9	17.0	19.0	21.5	17.0	0.4	1.2	19.9	17.0	17.1
Netherlands	262	11.4	10.3	9.4	45.7	21.4	1.9	45.7	0.7	0.0	1.2	42.1	49.0
New Zealand	395	10.6	8.9	18.8	32.5	28.9	0.4	32.5	0.0	0.2	0.2	30.0	34.5
Norway	305	15.8	13.9	10.4	38.2	20.3	1.5	38.2	0.0	0.4	1.0	37.8	38.5
Philippines	729	42.2	12.3	14.0	15.6	15.0	0.8	15.6	0.1	0.0	0.7	16.4	14.8
Portugal	420	17.0	7.3	18.5	32.3	22.0	2.9	32.3	0.0	0.0	2.9	26.4	38.5
Romania	463	22.9	7.3	18.0	19.8	20.7	11.3	19.8	0.4	0.2	10.7	20.7	18.8
Russian Federation	529	22.4	9.6	13.1	28.7	13.5	12.7	28.7	0.2	0.1	12.4	23.7	34.0
Scotland	348	10.1	8.4	15.5	31.3	34.2	0.5	31.3	0.0	0.0	0.5	28.6	34.1
Singapore	437	10.1	5.0	6.5	62.0	15.5	0.8	62.0	0.0	0.1	0.7	61.9	62.1
Slovak Republic	464	17.5	5.5	14.6	41.1	13.2	8.0	41.1	3.2	0.0	4.9	37.3	45.5
Slovenia	356	15.0	9.5	17.0	34.5	17.4	6.6	34.5	0.6	0.0	6.0	34.0	35.2
South Africa	682	31.1	10.3	18.9	11.4	24.9	3.3	11.4	0.1	0.8	2.4	10.6	12.8
Spain	477	19.8	10.8	23.4	26.8	15.8	3.5	26.8	0.0	0.0	3.5	22.0	31.7
Sweden	362	9.6	8.8	15.2	42.6	23.6	0.3	42.6	0.0	0.3	0.0	40.8	44.5
Switzerland	499	12.2	8.2	13.7	39.7	23.1	3.1	39.7	0.3	0.0	2.8	38.5	40.7
Thailand	739	21.0	12.6	19.8	26.9	16.5	3.2	26.9	0.2	0.0	3.0	29.2	23.8
United States	479	17.0	13.3	14.5	31.6	21.1	2.5	31.6	0.1	0.3	2.1	27.7	36.0
INTERNATIONAL AVG	.	16.2	8.9	15.4	35.3	19.7	4.4	35.3	0.2	0.3	3.9	32.8	37.6

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: K07 KEY: C
 Determine the number of blue pens given probability of selection. (Data Rep., Analysis & Prob.)
 Difficulty: 550

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	694	18.8	22.1	50.5	6.7	1.4	0.6	50.5	0.0	0.0	0.6	48.1	53.0
Austria	377	26.8	22.0	39.9	5.9	3.3	2.0	39.9	0.4	0.0	1.6	42.3	36.2
Belgium (Fl)	358	12.2	7.5	77.4	1.6	0.8	0.5	77.4	0.0	0.0	0.5	72.5	81.6
Belgium (Fr)	288	11.8	13.4	58.5	5.5	3.0	7.9	58.5	0.0	0.9	7.0	54.9	62.9
Bulgaria	288	11.6	17.1	38.3	7.4	6.2	19.5	38.3	1.7	0.6	17.2	36.2	40.3
Canada	1013	18.8	15.8	58.3	4.3	2.0	0.8	58.3	0.0	0.1	0.7	54.6	62.5
Colombia	332	12.0	21.0	27.4	12.6	15.0	12.0	27.4	0.0	1.5	10.4	26.0	29.0
Cyprus	376	15.1	14.6	52.7	7.5	6.0	4.2	52.7	0.0	0.2	4.0	49.7	55.5
Czech Republic	424	22.9	12.3	48.2	7.2	4.1	5.3	48.2	0.8	0.1	4.3	47.3	48.9
Denmark	271	25.2	13.0	37.3	8.6	3.6	12.3	37.3	0.6	0.2	11.5	35.8	38.6
England	227	18.8	18.4	50.0	9.4	2.4	0.9	50.0	0.0	0.0	0.9	48.2	51.8
France	371	18.4	20.0	46.4	5.6	4.2	5.4	46.4	0.0	0.0	5.4	47.6	46.4
Germany	369	29.6	18.7	30.6	3.9	3.6	13.6	30.6	0.0	1.5	12.1	31.1	30.1
Greece	491	19.8	17.6	41.3	9.4	7.3	4.8	41.3	0.2	0.2	4.4	41.4	41.1
Hong Kong	424	9.0	10.3	72.7	3.8	3.2	0.9	72.7	0.0	0.3	0.6	76.7	69.3
Hungary	383	17.1	20.6	44.8	7.0	4.2	6.4	44.8	0.0	0.3	6.1	41.9	48.5
Iceland	246	33.8	26.1	31.1	6.3	1.4	1.3	31.1	0.0	0.0	1.3	30.0	31.8
Iran, Islamic Rep.	465	23.0	16.6	36.5	8.1	11.9	4.0	36.5	0.0	0.2	3.8	33.0	39.6
Ireland	382	12.9	10.8	69.2	3.2	3.6	0.3	69.2	0.0	0.0	0.3	70.4	67.9
Israel	.	.	.	.	.	.	.	.	.	.	.	.	.
Japan	645	15.3	11.2	67.1	3.6	2.4	0.4	67.1	0.0	0.2	0.1	65.8	68.3
Korea	379	12.2	9.4	71.8	5.1	1.2	0.3	71.8	0.0	0.0	0.3	74.9	69.6
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	317	19.4	17.6	39.4	7.8	7.4	8.5	39.4	0.0	1.1	7.4	35.5	42.9
Lithuania	317	18.4	16.9	32.1	3.9	4.1	24.5	32.1	0.0	1.2	23.3	25.8	38.5
Netherlands	262	18.2	16.9	57.1	6.5	0.8	0.4	57.1	0.0	0.0	0.4	49.1	63.7
New Zealand	395	23.6	19.5	43.3	8.5	4.3	0.8	43.3	0.0	0.2	0.6	38.9	47.0
Norway	305	18.0	21.3	47.4	6.5	3.4	3.5	47.4	0.0	0.4	3.0	43.6	50.8
Philippines	729	28.9	12.5	34.4	13.0	10.8	0.3	34.4	0.0	0.0	0.3	35.7	33.1
Portugal	420	19.0	20.6	35.3	12.6	9.0	3.4	35.3	0.0	0.0	3.4	34.6	36.0
Romania	463	15.7	17.7	42.9	7.1	4.2	12.5	42.9	0.2	0.2	12.1	46.3	38.7
Russian Federation	530	15.7	14.1	46.4	4.9	6.2	12.7	46.4	0.0	0.1	12.6	42.0	50.9
Scotland	348	20.6	23.2	42.7	8.7	3.1	1.7	42.7	0.0	0.0	1.7	39.3	45.6
Singapore	437	3.8	4.7	87.6	2.4	0.9	0.5	87.6	0.0	0.1	0.4	92.0	83.7
Slovak Republic	464	17.7	22.8	35.8	10.1	5.2	8.5	35.8	0.1	0.0	8.3	32.7	39.2
Slovenia	356	18.8	17.4	45.7	8.7	2.8	6.7	45.7	0.6	0.0	6.2	40.9	50.5
South Africa	682	20.7	12.8	26.5	17.6	20.1	2.3	26.5	0.1	0.9	1.3	25.8	28.0
Spain	477	15.8	16.1	45.5	14.4	4.4	3.7	45.5	0.0	0.1	3.6	46.4	44.6
Sweden	362	25.0	23.7	40.5	7.6	2.7	0.5	40.5	0.0	0.3	0.2	38.2	42.8
Switzerland	499	17.9	17.8	55.9	3.6	1.4	3.4	55.9	0.0	0.0	3.4	56.0	55.7
Thailand	739	17.7	12.3	61.7	5.2	1.7	1.4	61.7	0.0	0.0	1.4	62.6	61.2
United States	479	24.7	16.0	46.8	7.4	3.2	1.9	46.8	0.0	0.4	1.5	44.8	49.1
INTERNATIONAL AVG	.	18.6	16.6	47.9	7.2	4.7	5.0	47.9	0.1	0.3	4.6	46.5	49.4

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: K08 KEY: B
 Determine unknown angle in rotated congruent triangles. (Geometry)
 Difficulty: 639

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	694	43.7	28.7	10.5	11.3	4.5	1.3	28.7	0.0	0.0	1.3	30.9	26.6
Austria	377	46.9	31.5	7.8	8.2	2.3	3.3	31.5	0.0	0.0	3.3	32.4	30.4
Belgium (Fl)	358	54.1	29.5	5.2	2.4	2.7	6.1	29.5	0.0	0.0	6.1	33.9	25.7
Belgium (Fr)	288	49.7	29.1	4.6	8.4	2.8	5.4	29.1	0.0	1.2	4.2	23.6	37.2
Bulgaria	288	29.6	45.1	7.7	4.7	2.5	10.4	45.1	0.4	0.8	9.2	43.0	46.8
Canada	1013	59.1	20.4	7.5	7.3	5.2	0.4	20.4	0.0	0.1	0.3	19.1	22.2
Colombia	332	46.7	7.7	5.6	19.5	8.5	11.9	7.7	0.3	1.5	10.1	7.2	8.4
Cyprus	376	42.4	32.6	11.3	6.9	2.6	4.2	32.6	0.5	0.2	3.5	31.8	33.4
Czech Republic	424	44.5	43.4	6.2	1.3	2.9	1.6	43.4	0.1	0.1	1.4	38.4	48.2
Denmark	271	42.4	18.7	15.0	6.3	5.3	12.4	18.7	0.8	0.2	11.5	16.8	19.9
England	227	50.8	24.5	9.0	7.7	5.6	2.5	24.5	0.0	0.0	2.5	23.0	25.9
France	371	44.0	37.8	4.9	7.6	3.4	2.3	37.8	0.0	0.0	2.3	41.4	34.8
Germany	369	47.8	27.7	7.5	3.6	2.6	10.9	27.7	0.0	1.5	9.4	30.7	24.0
Greece	491	48.3	18.7	10.3	13.4	6.3	3.0	18.7	0.0	0.2	2.8	16.1	21.1
Hong Kong	424	32.0	54.7	5.3	2.8	3.5	1.7	54.7	0.2	0.3	1.2	54.8	54.6
Hungary	383	49.6	28.3	9.1	5.0	3.5	4.5	28.3	0.0	0.5	4.0	25.0	32.5
Iceland	246	39.4	24.2	14.5	9.1	8.8	4.0	24.2	0.0	0.0	4.0	22.1	25.7
Iran, Islamic Rep.	465	43.9	27.6	8.6	12.1	6.3	1.5	27.6	0.0	0.2	1.3	23.1	31.4
Ireland	382	48.7	25.9	8.0	7.3	6.8	3.3	25.9	0.0	0.0	3.3	24.4	27.6
Israel	.	.	.	.	.	.	.	.	.	.	.	.	.
Japan	645	50.2	39.9	5.2	2.6	1.5	0.5	39.9	0.0	0.2	0.3	34.5	45.0
Korea	379	37.3	55.4	2.2	2.4	2.5	0.2	55.4	0.0	0.0	0.2	52.5	57.6
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	317	58.7	20.2	8.0	6.9	2.9	3.4	20.2	0.0	1.1	2.4	16.8	24.2
Lithuania	317	61.6	10.4	5.1	9.7	3.7	9.5	10.4	0.0	1.2	8.3	9.6	11.2
Netherlands	262	58.8	14.5	9.5	11.7	2.6	2.9	14.5	0.0	0.0	2.9	10.0	18.4
New Zealand	395	52.2	18.9	10.6	8.3	9.3	0.8	18.9	0.0	0.2	0.6	19.2	18.7
Norway	305	47.5	24.5	11.5	5.6	6.5	4.4	24.5	0.0	0.4	4.0	25.6	23.5
Philippines	729	42.1	12.5	7.0	31.1	7.1	0.1	12.5	0.0	0.0	0.1	12.5	12.5
Portugal	420	55.1	20.7	8.6	6.2	8.2	1.3	20.7	0.0	0.0	1.3	19.0	22.4
Romania	462	41.3	34.2	6.1	8.6	3.2	6.6	34.2	0.4	0.2	6.0	32.5	36.2
Russian Federation	530	50.4	33.0	6.6	5.1	2.1	2.8	33.0	0.0	0.1	2.7	30.5	35.5
Scotland	348	46.9	24.6	7.5	10.1	9.0	2.0	24.6	0.3	0.0	1.8	26.7	22.0
Singapore	437	35.1	55.2	5.7	2.5	1.2	0.3	55.2	0.0	0.1	0.2	60.1	50.7
Slovak Republic	464	48.1	35.3	7.4	2.9	3.0	3.1	35.3	0.4	0.0	2.7	34.2	36.6
Slovenia	356	50.1	26.4	8.2	7.9	3.1	4.3	26.4	0.3	0.0	4.1	26.1	26.9
South Africa	682	34.7	10.5	10.4	30.6	11.5	2.3	10.5	0.5	0.9	0.9	9.2	12.7
Spain	477	55.2	16.8	11.5	9.2	4.3	3.1	16.8	0.0	0.1	3.1	15.7	17.9
Sweden	362	52.0	18.1	11.4	9.5	6.4	2.6	18.1	0.0	0.3	2.3	15.8	20.4
Switzerland	500	42.6	24.6	10.2	5.5	11.9	5.2	24.6	0.0	0.0	5.2	21.1	27.7
Thailand	739	62.3	22.0	4.8	8.9	1.0	1.1	22.0	0.0	0.0	1.1	21.8	22.2
United States	479	59.1	14.5	7.6	10.1	7.8	1.0	14.5	0.0	0.4	0.5	13.4	15.7
INTERNATIONAL AVG	.	47.6	27.2	8.1	8.5	4.9	3.7	27.2	0.1	0.3	3.3	26.1	28.4

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: K09 KEY: D
 Compute sum of three fractions. (Fractions and number sense)
 Difficulty: 563

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	694	51.2	12.4	5.1	29.7	1.6	29.7	0.0	0.0	1.6	31.5	27.9
Austria	377	39.3	6.0	5.4	47.0	2.3	47.0	0.0	0.0	2.3	57.2	34.3
Belgium (Fl)	358	6.5	3.6	6.0	83.1	0.8	83.1	0.0	0.0	0.8	92.1	75.5
Belgium (Fr)	288	31.1	7.0	4.2	51.5	6.1	51.5	0.4	1.2	4.5	55.5	47.0
Bulgaria	288	12.7	5.7	2.8	65.7	13.0	65.7	1.2	0.8	11.0	64.1	66.7
Canada	1013	44.5	10.9	4.6	38.7	1.3	38.7	0.5	0.1	0.7	39.3	38.8
Colombia	332	65.1	4.6	3.0	15.5	11.9	15.5	0.2	2.1	9.6	11.5	19.6
Cyprus	376	14.4	11.9	8.3	60.7	4.6	60.7	0.0	0.2	4.4	64.7	57.0
Czech Republic	424	17.6	5.1	2.3	70.3	4.7	70.3	2.7	0.4	1.7	75.1	65.7
Denmark	271	49.8	8.9	8.4	24.9	8.0	24.9	0.0	0.2	7.8	30.7	19.4
England	227	69.1	11.6	6.6	11.0	1.8	11.0	0.0	0.0	1.8	7.8	14.0
France	371	58.0	9.6	5.3	23.0	4.0	23.0	0.0	0.0	4.0	27.7	18.0
Germany	369	33.6	7.5	4.6	45.1	9.1	45.1	0.6	1.5	7.0	50.7	38.7
Greece	491	41.9	10.7	6.0	35.4	6.1	35.4	0.6	0.4	5.1	42.4	29.0
Hong Kong	424	8.1	7.3	11.1	72.3	1.2	72.3	0.0	0.3	0.9	74.9	70.2
Hungary	383	10.0	6.8	3.1	73.5	6.6	73.5	0.0	0.5	6.2	82.5	61.8
Iceland	246	82.3	9.4	4.4	2.0	1.9	2.0	0.0	0.0	1.9	3.1	1.2
Iran, Islamic Rep.	465	45.6	10.1	10.8	31.1	2.4	31.1	0.0	0.2	2.2	37.7	25.8
Ireland	382	29.6	9.3	2.6	55.1	3.4	55.1	0.8	0.0	2.6	56.0	54.0
Israel	.	.	.	.	.	.	.	.	.	.	.	.
Japan	645	5.6	6.3	4.8	82.8	0.6	82.8	0.0	0.2	0.3	84.4	81.2
Korea	379	14.8	4.5	4.9	75.8	0.0	75.8	0.0	0.0	0.0	75.9	75.8
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	317	37.9	11.0	7.6	38.0	5.5	38.0	0.0	1.1	4.4	38.9	36.0
Lithuania	317	42.3	5.4	3.6	36.6	12.1	36.6	0.0	1.2	11.0	42.3	30.7
Netherlands	262	37.5	12.7	10.2	37.4	2.3	37.4	0.3	0.0	1.9	33.9	40.5
New Zealand	395	73.4	9.8	4.7	9.3	2.7	9.3	0.0	0.2	2.5	9.5	9.2
Norway	305	52.6	17.4	6.9	18.7	4.5	18.7	0.0	0.7	3.7	18.8	18.5
Philippines	729	58.7	7.7	3.6	29.5	0.5	29.5	0.0	0.0	0.5	34.1	24.4
Portugal	420	53.5	12.5	5.7	23.1	5.2	23.1	0.0	0.0	5.2	24.1	22.0
Romania	463	19.2	3.6	1.7	66.0	9.5	66.0	0.7	0.2	8.6	71.5	59.4
Russian Federation	530	33.5	5.8	3.3	52.7	4.6	52.7	0.3	0.1	4.2	55.0	50.4
Scotland	348	77.0	10.0	4.9	5.1	3.0	5.1	0.3	0.0	2.7	6.4	3.8
Singapore	437	4.2	5.7	3.8	85.9	0.4	85.9	0.0	0.1	0.2	86.5	85.3
Slovak Republic	464	16.8	4.9	5.1	67.7	5.5	67.7	2.5	0.0	3.0	74.5	60.0
Slovenia	356	23.1	4.2	3.1	66.6	3.0	66.6	0.8	0.0	2.2	74.2	59.0
South Africa	682	64.4	10.1	5.5	15.4	4.6	15.4	0.1	1.1	3.4	15.8	14.5
Spain	477	63.6	8.7	5.0	18.3	4.5	18.3	0.0	0.1	4.4	22.2	14.3
Sweden	362	70.1	13.6	8.8	3.2	4.2	3.2	0.0	0.3	4.0	2.5	3.8
Switzerland	500	36.2	6.7	4.3	49.1	3.7	49.1	0.1	0.0	3.6	56.0	43.0
Thailand	739	40.5	9.0	10.6	38.3	1.7	38.3	0.0	0.0	1.6	39.0	38.4
United States	479	46.8	9.8	5.6	35.6	2.1	35.6	0.0	0.4	1.7	39.6	31.1
INTERNATIONAL AVG	.	39.6	8.4	5.5	42.3	4.3	42.3	0.3	0.3	3.6	45.2	39.2

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: L08 KEY: B
 Estimate actual height from diagram of relative heights. (Fractions and number sense)
 Difficulty: 521

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	696	30.6	58.3	6.4	4.3	0.3	58.3	0.0	0.0	0.3	56.9	59.8
Austria	378	32.4	56.0	10.8	0.8	0.1	56.0	0.1	0.0	0.0	51.6	60.8
Belgium (Fl)	352	17.7	71.2	9.7	1.4	0.0	71.2	0.0	0.0	0.0	68.8	73.6
Belgium (Fr)	295	26.4	58.4	10.5	3.3	1.5	58.4	0.3	1.2	0.0	49.9	66.8
Bulgaria	159	31.4	61.8	3.6	0.7	2.5	61.8	0.0	0.0	2.5	59.6	64.1
Canada	1022	31.4	55.1	8.3	5.2	0.0	55.1	0.0	0.0	0.0	50.4	59.3
Colombia	330	23.9	36.7	14.1	22.0	3.2	36.7	0.0	1.3	2.0	30.9	41.6
Cyprus	375	44.4	38.7	10.7	6.0	0.2	38.7	0.0	0.0	0.2	31.7	44.7
Czech Republic	412	18.5	72.1	7.1	2.0	0.3	72.1	0.0	0.0	0.3	69.1	75.6
Denmark	272	22.2	58.7	15.2	3.3	0.6	58.7	0.6	0.0	0.0	58.7	56.9
England	216	28.3	50.6	15.9	5.2	0.0	50.6	0.0	0.0	0.0	47.8	52.8
France	365	27.8	56.6	11.7	2.9	1.1	56.6	0.3	0.3	0.5	49.2	64.8
Germany	361	24.0	58.3	11.4	4.5	1.8	58.3	0.0	0.2	1.6	60.9	56.6
Greece	501	31.9	49.8	10.5	7.1	0.7	49.8	0.0	0.0	0.7	47.1	52.9
Hong Kong	422	28.7	62.7	5.5	3.1	0.0	62.7	0.0	0.0	0.0	62.1	63.4
Hungary	382	29.0	60.5	8.5	0.6	1.4	60.5	0.0	0.4	1.0	61.6	59.4
Iceland	247	28.5	56.4	11.5	3.1	0.4	56.4	0.0	0.0	0.4	54.9	57.8
Iran, Islamic Rep.	455	42.9	40.7	11.9	3.7	0.8	40.7	0.0	0.1	0.7	25.5	52.2
Ireland	375	25.0	59.7	10.5	4.8	0.0	59.7	0.0	0.0	0.0	55.1	64.5
Israel	.	.	.	.	.	.	.	.	.	.	.	.
Japan	645	20.4	72.1	5.4	1.9	0.2	72.1	0.0	0.0	0.2	66.0	77.5
Korea	360	19.0	70.7	6.4	3.9	0.0	70.7	0.0	0.0	0.0	63.6	76.2
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	314	30.8	57.1	7.0	4.2	0.9	57.1	0.0	0.7	0.3	51.1	63.3
Lithuania	321	31.5	53.4	11.3	1.7	2.0	53.4	0.0	1.3	0.7	54.2	52.6
Netherlands	271	29.3	61.7	7.5	1.1	0.4	61.7	0.0	0.4	0.0	60.7	62.9
New Zealand	394	28.7	54.0	10.4	6.1	0.9	54.0	0.0	0.0	0.9	50.2	57.0
Norway	305	26.0	57.9	11.9	3.5	0.7	57.9	0.0	0.7	0.0	51.3	64.0
Philippines	727	34.7	31.2	11.6	22.1	0.4	31.2	0.0	0.0	0.4	28.9	33.8
Portugal	406	30.2	50.1	11.9	7.0	0.8	50.1	0.0	0.0	0.8	47.7	52.3
Romania	458	31.0	46.3	11.6	9.5	1.6	46.3	0.2	0.4	0.9	41.6	51.5
Russian Federation	522	33.8	51.1	9.7	3.5	2.0	51.1	0.1	0.2	1.7	57.1	45.3
Scotland	356	29.6	49.4	13.7	6.8	0.5	49.4	0.0	0.0	0.5	48.5	51.5
Singapore	482	26.3	58.0	11.2	4.3	0.2	58.0	0.0	0.2	0.0	55.5	60.5
Slovak Republic	440	23.5	63.0	9.9	3.5	0.2	63.0	0.0	0.0	0.2	57.8	68.8
Slovenia	351	23.9	67.3	7.3	1.2	0.3	67.3	0.0	0.0	0.3	62.8	72.1
South Africa	678	18.0	22.6	16.6	38.7	4.1	22.6	0.2	2.9	1.0	21.9	23.1
Spain	462	32.8	51.5	10.3	4.8	0.6	51.5	0.0	0.0	0.6	45.6	57.3
Sweden	364	27.4	64.8	5.3	1.7	0.7	64.8	0.0	0.3	0.3	58.8	70.9
Switzerland	508	21.6	65.1	10.9	1.8	0.6	65.1	0.4	0.0	0.3	62.3	67.8
Thailand	726	31.9	54.1	8.4	5.3	0.3	54.1	0.0	0.3	0.0	55.0	53.1
United States	490	30.1	43.6	12.2	14.0	0.1	43.6	0.0	0.0	0.1	40.8	46.4
INTERNATIONAL AVG	.	28.1	55.2	10.1	5.8	0.8	55.2	0.1	0.3	0.5	51.8	58.4

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: L09 KEY: B
 Identify 504.7 from its expression in words. (Fractions and number sense)
 Difficulty: 373

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	696	5.3	81.7	7.9	4.7	0.4	81.7	0.0	0.0	0.4	83.1	80.0
Austria	378	2.1	91.0	2.2	3.4	1.3	91.0	0.2	0.0	1.1	89.0	93.0
Belgium (Fl)	352	1.1	92.8	3.1	2.9	0.0	92.8	0.0	0.0	0.0	93.9	91.8
Belgium (Fr)	295	1.0	95.6	0.7	0.9	1.9	95.6	0.0	1.2	0.6	94.1	96.8
Bulgaria	159	4.2	90.6	0.7	2.1	2.4	90.6	0.0	0.9	1.5	93.8	87.3
Canada	1022	2.4	91.7	3.4	2.4	0.0	91.7	0.0	0.0	0.0	93.9	89.7
Colombia	330	7.7	69.7	5.1	14.4	3.1	69.7	0.0	1.3	1.8	67.4	71.4
Cyprus	375	26.4	48.3	11.4	13.5	0.4	48.3	0.0	0.0	0.4	45.7	50.0
Czech Republic	412	1.3	96.9	0.8	0.7	0.3	96.9	0.3	0.0	0.0	96.4	97.5
Denmark	272	5.0	62.7	21.2	8.5	2.6	62.7	0.0	0.0	2.6	62.5	61.6
England	216	6.2	74.3	11.6	7.5	0.4	74.3	0.0	0.0	0.4	76.8	72.3
France	365	6.5	83.4	6.8	1.8	1.6	83.4	0.2	0.6	0.7	85.9	80.1
Germany	361	3.1	80.8	4.4	5.5	6.2	80.8	0.2	0.2	5.8	80.5	82.0
Greece	501	4.2	90.2	1.1	3.6	0.9	90.2	0.4	0.0	0.5	92.0	88.6
Hong Kong	422	1.7	90.8	2.8	4.6	0.0	90.8	0.0	0.0	0.0	88.7	92.4
Hungary	382	2.1	94.5	1.5	1.2	0.8	94.5	0.0	0.4	0.5	96.3	92.5
Iceland	247	6.1	66.2	16.6	10.7	0.4	66.2	0.0	0.0	0.4	65.0	67.3
Iran, Islamic Rep.	455	19.4	68.0	4.8	7.5	0.2	68.0	0.0	0.1	0.1	68.6	67.7
Ireland	375	4.7	80.1	8.8	6.5	0.0	80.1	0.0	0.0	0.0	81.4	78.7
Israel	.	.	.	.	.	.	.	.	.	.	.	.
Japan	645	6.4	86.5	5.4	1.4	0.3	86.5	0.3	0.0	0.0	88.7	84.6
Korea	360	5.8	84.7	5.6	4.0	0.0	84.7	0.0	0.0	0.0	83.3	85.8
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	314	6.1	80.1	4.0	7.5	2.3	80.1	0.0	0.7	1.6	75.8	84.6
Lithuania	321	3.3	83.3	4.1	5.2	4.1	83.3	0.0	1.3	2.8	85.6	80.9
Netherlands	271	2.6	89.8	1.4	5.8	0.4	89.8	0.0	0.4	0.0	92.7	86.4
New Zealand	394	4.7	78.2	10.2	5.8	1.1	78.2	0.0	0.0	1.1	78.8	77.7
Norway	305	2.7	67.8	15.6	11.4	2.4	67.8	0.0	0.7	1.7	65.8	69.6
Philippines	727	7.3	83.5	5.0	4.0	0.3	83.5	0.0	0.0	0.3	83.6	83.4
Portugal	406	3.8	83.1	2.4	10.2	0.4	83.1	0.0	0.2	0.2	81.5	84.6
Romania	458	8.8	65.3	17.2	6.0	2.7	65.3	0.0	0.4	2.3	67.0	63.3
Russian Federation	522	0.9	92.4	1.2	4.7	0.7	92.4	0.2	0.2	0.4	93.8	91.1
Scotland	356	5.5	75.3	12.8	5.6	0.8	75.3	0.0	0.0	0.8	74.4	76.7
Singapore	482	3.2	90.2	4.0	2.2	0.3	90.2	0.0	0.2	0.1	88.4	92.0
Slovak Republic	440	1.4	97.0	1.0	0.4	0.3	97.0	0.3	0.0	0.0	98.5	95.2
Slovenia	351	3.1	91.4	3.3	1.5	0.8	91.4	0.0	0.0	0.8	94.5	88.1
South Africa	678	15.5	32.0	26.1	21.8	4.6	32.0	0.6	2.9	1.1	32.5	30.6
Spain	462	2.2	92.9	1.4	2.6	0.8	92.9	0.0	0.0	0.8	94.5	91.3
Sweden	364	2.3	90.8	2.3	3.4	1.2	90.8	0.2	0.3	0.6	91.3	90.3
Switzerland	508	1.6	89.5	5.5	2.3	1.2	89.5	0.0	0.0	1.2	91.1	87.9
Thailand	726	4.9	88.1	5.3	1.4	0.3	88.1	0.0	0.3	0.1	89.5	86.5
United States	490	4.4	92.6	1.5	1.2	0.4	92.6	0.0	0.0	0.4	94.0	91.2
INTERNATIONAL AVG	.	5.2	82.1	6.3	5.3	1.2	82.1	0.1	0.3	0.8	82.5	81.6

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: L10 KEY: B
 Use data in a chart to identify time/day with highest temperature. (Data Rep., Analysis & Prob.)
 Difficulty: 353

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	696	5.4	93.6	0.1	0.3	0.6	93.6	0.0	0.0	0.6	92.3	95.2
Austria	378	5.6	90.3	2.2	0.6	1.3	90.3	0.0	0.0	1.3	93.5	86.8
Belgium (Fl)	352	5.5	93.5	0.3	0.4	0.3	93.5	0.0	0.0	0.3	95.5	91.6
Belgium (Fr)	295	5.2	91.6	1.1	0.9	1.2	91.6	0.0	1.2	0.0	90.6	92.3
Bulgaria	159	6.9	82.0	1.2	3.4	6.5	82.0	0.0	1.6	4.8	82.6	81.5
Canada	1022	7.7	89.5	1.5	1.1	0.2	89.5	0.0	0.0	0.2	91.0	87.9
Colombia	330	17.5	66.0	7.4	4.7	4.5	66.0	1.0	1.4	2.1	71.8	61.0
Cyprus	375	17.5	71.6	5.2	4.8	1.0	71.6	0.2	0.0	0.8	75.3	68.3
Czech Republic	412	2.2	96.6	0.3	0.2	0.7	96.6	0.4	0.0	0.3	97.2	96.0
Denmark	272	5.9	93.1	0.6	0.4	0.0	93.1	0.0	0.0	0.0	93.9	93.2
England	216	10.2	88.7	0.0	0.0	1.1	88.7	0.0	0.0	1.1	83.8	92.6
France	365	7.8	89.4	0.9	0.3	1.6	89.4	0.5	0.6	0.6	87.9	90.5
Germany	361	4.7	89.2	1.6	1.4	3.1	89.2	0.7	0.2	2.2	94.0	85.4
Greece	501	11.7	77.5	6.1	2.5	2.2	77.5	0.6	0.0	1.6	78.8	76.7
Hong Kong	420	10.7	85.2	2.5	1.4	0.2	85.2	0.0	0.0	0.2	87.2	83.7
Hungary	382	5.2	91.7	0.8	1.3	1.2	91.7	0.0	0.4	0.8	93.2	90.1
Iceland	247	6.9	88.4	2.1	1.0	1.5	88.4	0.2	0.0	1.3	85.4	91.2
Iran, Islamic Rep.	455	13.0	72.5	7.1	6.3	1.2	72.5	0.1	0.1	0.9	70.2	74.0
Ireland	375	7.7	89.6	1.0	1.2	0.5	89.6	0.3	0.0	0.2	88.6	90.6
Israel	.	.	.	.	.	.	.	.	.	.	.	.
Japan	645	5.2	93.8	0.4	0.5	0.0	93.8	0.0	0.0	0.0	93.2	94.4
Korea	360	13.6	82.4	3.1	1.0	0.0	82.4	0.0	0.0	0.0	85.2	80.1
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	317	6.8	80.2	2.4	7.0	3.6	80.2	0.0	0.9	2.7	77.6	83.7
Lithuania	321	10.6	74.0	2.2	2.9	10.2	74.0	1.3	1.3	7.6	77.3	70.6
Netherlands	271	6.2	92.4	0.0	1.0	0.4	92.4	0.0	0.4	0.0	91.6	93.3
New Zealand	394	5.3	90.6	0.5	2.3	1.3	90.6	0.0	0.2	1.0	91.9	89.5
Norway	305	7.4	88.0	0.8	1.9	1.9	88.0	0.0	0.7	1.1	87.8	88.2
Philippines	727	17.6	69.6	8.7	3.9	0.3	69.6	0.0	0.0	0.3	72.7	66.2
Portugal	406	12.6	84.4	0.8	1.8	0.4	84.4	0.0	0.2	0.2	84.7	84.0
Romania	458	17.4	71.7	4.8	2.8	3.3	71.7	0.6	0.6	2.1	72.2	71.1
Russian Federation	521	9.3	84.2	2.6	2.1	1.8	84.2	0.0	0.2	1.6	85.5	83.0
Scotland	356	7.0	89.2	1.6	0.9	1.3	89.2	0.0	0.0	1.3	90.5	88.9
Singapore	482	15.0	80.2	2.3	2.0	0.5	80.2	0.0	0.2	0.2	79.9	80.5
Slovak Republic	440	6.0	89.7	1.4	1.2	1.6	89.7	1.0	0.0	0.6	90.8	88.5
Slovenia	351	5.1	92.8	1.3	0.8	0.0	92.8	0.0	0.0	0.0	94.1	91.4
South Africa	678	23.7	47.7	12.3	11.6	4.7	47.7	0.5	3.0	1.1	48.9	47.1
Spain	462	9.1	85.8	1.3	3.1	0.7	85.8	0.0	0.0	0.7	85.8	85.7
Sweden	364	4.1	92.8	0.8	1.0	1.4	92.8	0.0	0.3	1.1	91.8	93.8
Switzerland	508	3.8	94.0	0.9	0.4	0.9	94.0	0.4	0.0	0.6	94.5	93.4
Thailand	726	11.3	83.1	1.7	3.2	0.6	83.1	0.0	0.3	0.3	85.2	80.0
United States	490	8.0	89.0	1.8	0.9	0.3	89.0	0.0	0.0	0.3	92.5	85.6
INTERNATIONAL AVG	.	9.1	84.9	2.3	2.1	1.6	84.9	0.2	0.3	1.1	85.7	84.2

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: L11 KEY: C
 Solve multi-step word problem using pattern. (Algebra)
 Difficulty: 640

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	696	44.7	15.0	31.8	6.4	2.0	31.8	0.0	0.0	2.0	34.1	29.2
Austria	378	45.3	10.9	32.4	8.9	2.5	32.4	0.0	0.2	2.4	31.9	32.1
Belgium (Fl)	352	44.5	11.9	31.6	8.3	3.7	31.6	0.0	0.0	3.7	32.9	30.4
Belgium (Fr)	295	38.6	11.0	32.9	9.7	7.8	32.9	0.0	1.2	6.6	33.2	32.8
Bulgaria	159	40.3	7.7	30.2	4.7	17.1	30.2	0.0	3.8	13.4	30.9	29.6
Canada	1022	44.5	14.4	32.1	8.1	1.0	32.1	0.0	0.0	1.0	34.1	30.1
Colombia	330	32.7	15.1	29.1	14.8	8.3	29.1	0.0	1.9	6.3	29.0	29.1
Cyprus	375	32.7	24.0	25.4	12.5	5.4	25.4	0.2	0.0	5.2	21.9	27.8
Czech Republic	412	42.3	13.4	36.3	3.3	4.8	36.3	0.9	0.0	3.8	36.8	35.7
Denmark	272	41.3	13.2	33.5	7.2	4.8	33.5	0.0	0.0	4.8	30.1	36.5
England	216	48.4	14.0	28.0	8.0	1.6	28.0	0.0	0.0	1.6	22.3	32.4
France	365	38.2	15.4	30.4	9.6	6.5	30.4	0.2	0.6	5.6	32.3	26.9
Germany	361	46.0	12.1	25.7	8.1	8.1	25.7	0.9	0.2	7.0	24.5	26.6
Greece	501	38.4	20.1	26.8	8.3	6.4	26.8	0.0	0.0	6.4	31.2	22.3
Hong Kong	420	35.6	18.9	33.5	11.3	0.8	33.5	0.2	0.0	0.5	30.7	35.8
Hungary	382	44.0	13.4	26.5	10.1	6.1	26.5	0.0	0.4	5.7	30.1	22.7
Iceland	247	44.1	21.5	23.3	7.0	4.0	23.3	0.0	0.0	4.0	23.8	22.9
Iran, Islamic Rep.	455	35.3	20.7	30.4	11.1	2.5	30.4	0.0	0.1	2.3	40.7	22.6
Ireland	375	41.5	12.5	34.9	8.8	2.3	34.9	0.8	0.0	1.5	35.9	33.9
Israel	.	.	.	.	.	.	.	.	.	.	.	.
Japan	645	37.2	16.9	38.0	7.6	0.4	38.0	0.0	0.0	0.4	39.6	36.5
Korea	360	38.8	11.8	36.8	12.6	0.0	36.8	0.0	0.0	0.0	33.2	39.6
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	317	44.4	16.7	22.5	6.1	10.3	22.5	0.0	0.9	9.4	26.2	18.6
Lithuania	321	36.9	16.3	18.4	5.9	22.5	18.4	0.0	1.5	21.0	18.5	18.2
Netherlands	271	49.2	12.9	32.0	4.6	1.4	32.0	0.0	0.4	1.0	31.9	32.1
New Zealand	394	39.7	14.5	37.7	6.5	1.5	37.7	0.0	0.2	1.3	34.8	40.1
Norway	305	50.6	9.7	24.7	8.3	6.7	24.7	0.0	0.7	6.0	28.9	20.8
Philippines	727	27.6	22.6	38.7	10.5	0.7	38.7	0.0	0.0	0.7	41.6	35.5
Portugal	406	50.6	12.5	25.8	8.0	3.1	25.8	0.0	0.2	2.9	26.6	24.9
Romania	458	43.1	10.1	27.5	7.5	11.7	27.5	0.8	0.8	10.1	31.2	23.4
Russian Federation	522	42.9	12.7	22.9	6.3	15.3	22.9	0.9	0.3	14.1	20.5	25.1
Scotland	356	40.0	21.1	28.9	8.9	1.1	28.9	0.3	0.0	0.8	33.5	24.7
Singapore	482	40.8	14.5	33.9	8.4	2.3	33.9	0.0	0.2	2.1	36.0	31.7
Slovak Republic	440	41.8	12.1	33.2	7.1	5.8	33.2	1.5	0.0	4.3	35.4	30.7
Slovenia	351	40.2	13.6	38.3	4.8	3.1	38.3	0.3	0.0	2.8	41.7	34.7
South Africa	678	18.7	17.5	39.1	18.4	6.4	39.1	0.4	3.0	2.9	40.4	38.0
Spain	462	42.4	17.3	28.5	7.4	4.5	28.5	0.0	0.0	4.5	30.2	26.8
Sweden	364	49.7	16.1	27.8	4.5	1.9	27.8	0.0	0.3	1.5	28.3	27.5
Switzerland	508	39.0	12.5	34.5	10.4	3.6	34.5	0.1	0.0	3.5	32.1	36.8
Thailand	726	37.2	13.7	36.2	10.1	2.9	36.2	0.0	0.3	2.6	38.7	32.9
United States	490	40.8	17.3	28.8	12.6	0.5	28.8	0.0	0.0	0.5	32.9	24.8
INTERNATIONAL AVG	.	40.8	14.9	30.7	8.6	5.0	30.7	0.2	0.4	4.4	31.7	29.6

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: L12 KEY: D
 Find longest pace from chart showing number of paces to cross room. (Measurement)
 Difficulty: 448

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	696	33.2	3.0	0.6	62.7	0.5	62.7	0.0	0.0	0.5	59.2	66.8
Austria	378	15.4	2.2	0.5	79.6	2.2	79.6	0.0	0.2	2.0	78.4	82.1
Belgium (Fl)	352	12.4	0.3	0.5	86.3	0.5	86.3	0.0	0.0	0.5	85.4	87.1
Belgium (Fr)	295	14.5	2.0	0.5	81.5	1.5	81.5	0.0	1.2	0.3	80.0	83.0
Bulgaria	159	10.9	1.3	1.7	81.8	4.3	81.8	0.0	3.8	0.5	82.2	81.3
Canada	1022	38.3	1.3	0.4	59.7	0.2	59.7	0.1	0.0	0.1	61.0	58.5
Colombia	330	45.9	3.6	1.4	44.9	4.2	44.9	0.0	2.8	1.3	41.0	48.3
Cyprus	375	35.8	6.9	2.6	53.6	1.1	53.6	0.6	0.0	0.6	51.1	56.1
Czech Republic	412	17.3	1.1	0.0	81.4	0.2	81.4	0.1	0.1	0.0	81.7	80.9
Denmark	272	19.9	3.3	0.6	75.2	1.0	75.2	0.0	0.0	1.0	70.0	80.4
England	216	38.3	0.0	0.0	61.7	0.0	61.7	0.0	0.0	0.0	56.7	65.6
France	365	17.8	1.7	0.2	79.3	1.0	79.3	0.0	0.6	0.4	76.2	81.7
Germany	361	18.4	0.8	0.4	78.9	1.5	78.9	0.0	0.2	1.3	78.4	81.1
Greece	501	34.6	2.6	1.1	61.3	0.5	61.3	0.0	0.0	0.5	56.6	65.8
Hong Kong	421	24.5	3.2	2.2	69.6	0.5	69.6	0.0	0.0	0.5	69.8	69.8
Hungary	382	33.1	2.6	0.6	61.8	1.9	61.8	0.0	0.4	1.5	67.7	55.8
Iceland	247	25.6	2.5	0.8	70.7	0.4	70.7	0.0	0.0	0.4	67.5	73.7
Iran, Islamic Rep.	455	57.6	1.4	0.5	39.7	0.9	39.7	0.0	0.1	0.7	36.2	42.3
Ireland	375	18.2	1.0	0.2	80.6	0.0	80.6	0.0	0.0	0.0	78.8	82.6
Israel	.	.	.	.	.	.	.	.	.	.	.	.
Japan	645	16.0	2.5	0.6	80.9	0.0	80.9	0.0	0.0	0.0	78.7	82.9
Korea	360	25.2	0.8	1.1	73.0	0.0	73.0	0.0	0.0	0.0	67.7	77.1
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	317	17.1	1.5	1.5	78.3	1.5	78.3	0.0	0.9	0.6	78.1	78.3
Lithuania	321	25.2	5.6	1.8	64.4	3.0	64.4	0.0	1.5	1.4	66.6	62.1
Netherlands	271	13.0	1.2	0.2	85.3	0.4	85.3	0.0	0.4	0.0	85.6	85.0
New Zealand	394	40.0	2.0	0.2	57.2	0.6	57.2	0.2	0.2	0.2	47.0	65.4
Norway	305	24.6	0.6	0.7	72.9	1.2	72.9	0.0	0.7	0.5	76.2	69.9
Philippines	727	81.3	6.5	2.3	8.8	1.1	8.8	0.0	0.0	1.1	9.3	8.3
Portugal	406	24.0	1.4	0.5	73.3	0.7	73.3	0.0	0.2	0.5	70.5	75.9
Romania	458	30.2	1.7	0.6	64.7	2.8	64.7	0.7	1.1	1.0	63.4	66.2
Russian Federation	522	16.4	1.2	0.3	81.2	1.0	81.2	0.1	0.3	0.5	80.3	82.1
Scotland	356	39.2	1.5	0.0	58.1	1.2	58.1	0.0	0.0	1.2	58.0	59.8
Singapore	482	27.0	1.0	2.0	69.8	0.2	69.8	0.0	0.2	0.0	67.5	72.2
Slovak Republic	440	16.8	0.9	0.0	81.8	0.5	81.8	0.3	0.0	0.2	81.9	81.7
Slovenia	351	11.4	1.7	0.3	86.6	0.0	86.6	0.0	0.0	0.0	85.4	87.9
South Africa	678	64.4	5.5	6.1	18.4	5.5	18.4	1.0	3.0	1.5	18.1	19.2
Spain	462	24.3	1.1	0.2	74.5	0.0	74.5	0.0	0.0	0.0	77.2	71.7
Sweden	364	14.8	2.4	0.0	82.2	0.6	82.2	0.0	0.3	0.3	83.6	80.8
Switzerland	508	8.4	0.9	0.3	90.1	0.4	90.1	0.0	0.0	0.4	88.7	91.4
Thailand	726	25.3	1.5	0.9	71.8	0.5	71.8	0.0	0.3	0.2	74.3	68.5
United States	490	59.4	1.0	2.1	36.2	1.3	36.2	0.0	0.0	1.3	30.8	41.3
INTERNATIONAL AVG	.	27.9	2.1	0.9	68.0	1.1	68.0	0.1	0.5	0.6	66.7	69.3

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: LI3 KEY: C
 Identify matching patterns of symbols. (Algebra)
 Difficulty: 326

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	696	1.3	4.1	91.3	2.1	1.2	91.3	0.0	0.0	1.2	93.0	89.3
Austria	378	0.6	1.6	94.7	0.0	3.1	94.7	0.0	1.1	2.0	96.6	93.1
Belgium (Fl)	352	0.4	1.0	96.2	2.4	0.0	96.2	0.0	0.0	0.0	97.7	94.7
Belgium (Fr)	295	0.3	2.4	93.4	1.3	2.6	93.4	0.7	1.2	0.7	92.3	94.9
Bulgaria	159	2.3	4.9	82.8	1.0	9.0	82.8	0.0	3.8	5.3	87.1	78.4
Canada	1022	2.0	4.5	91.4	1.9	0.3	91.4	0.2	0.0	0.1	95.6	87.2
Colombia	330	15.3	11.6	44.1	16.7	12.3	44.1	1.1	2.8	8.3	43.2	44.0
Cyprus	375	6.2	12.2	73.1	5.6	3.0	73.1	0.0	0.0	3.0	75.2	71.1
Czech Republic	412	1.2	1.4	96.3	0.5	0.6	96.3	0.0	0.1	0.4	98.0	94.4
Denmark	272	1.9	3.1	91.5	1.0	2.6	91.5	0.0	0.0	2.6	94.1	88.9
England	216	0.5	2.1	93.6	3.3	0.5	93.6	0.0	0.0	0.5	94.3	93.1
France	365	1.2	2.4	92.8	1.2	2.5	92.8	0.5	0.6	1.4	94.9	91.7
Germany	361	1.4	3.5	86.2	1.2	7.7	86.2	0.6	0.2	6.9	83.2	90.7
Greece	501	5.1	9.3	77.4	4.1	4.1	77.4	0.6	0.2	3.4	78.9	75.8
Hong Kong	421	2.8	3.7	90.6	2.5	0.5	90.6	0.0	0.0	0.5	90.2	90.9
Hungary	382	0.6	3.9	92.6	0.8	2.1	92.6	0.0	0.4	1.8	93.9	91.2
Iceland	247	2.9	8.0	82.8	3.5	2.8	82.8	1.2	0.0	1.6	87.1	78.7
Iran, Islamic Rep.	455	1.3	8.1	88.2	2.0	0.3	88.2	0.0	0.1	0.1	88.6	87.9
Ireland	375	1.3	2.7	92.4	2.3	1.4	92.4	0.8	0.0	0.5	93.0	91.7
Israel	.	.	.	.	.	.	.	.	.	.	.	.
Japan	645	0.5	1.8	97.3	0.3	0.0	97.3	0.0	0.0	0.0	98.3	96.5
Korea	360	0.3	2.3	96.2	1.2	0.0	96.2	0.0	0.0	0.0	95.7	96.6
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	317	0.0	1.4	93.4	1.6	3.5	93.4	0.0	0.9	2.5	92.8	94.1
Lithuania	321	0.7	2.0	87.4	1.8	8.1	87.4	0.0	1.5	6.6	87.7	87.1
Netherlands	271	4.6	1.9	87.3	4.4	1.7	87.3	0.0	0.4	1.3	90.4	83.8
New Zealand	394	2.7	3.1	90.2	3.4	0.6	90.2	0.2	0.2	0.2	92.6	88.3
Norway	305	1.2	4.2	87.8	2.3	4.5	87.8	0.0	0.7	3.8	93.6	82.5
Philippines	727	7.7	11.4	73.9	5.9	1.1	73.9	0.0	0.0	1.1	74.3	73.4
Portugal	406	3.7	3.0	89.2	2.2	1.8	89.2	0.0	0.2	1.6	87.5	90.8
Romania	458	1.9	5.0	83.3	1.8	7.9	83.3	0.9	1.6	5.4	84.9	81.5
Russian Federation	522	0.7	2.5	91.9	1.8	3.1	91.9	0.0	0.3	2.8	93.6	90.2
Scotland	356	3.0	3.2	89.0	3.6	1.3	89.0	0.8	0.0	0.5	91.0	87.9
Singapore	482	2.1	2.2	92.6	2.9	0.2	92.6	0.0	0.2	0.0	94.4	90.7
Slovak Republic	440	2.4	1.9	90.4	3.4	1.9	90.4	0.7	0.2	1.0	92.2	88.5
Slovenia	351	2.6	3.9	86.9	5.8	0.8	86.9	0.0	0.0	0.8	87.4	86.4
South Africa	678	10.4	25.9	43.7	12.2	7.8	43.7	1.3	3.0	3.5	43.2	45.2
Spain	462	2.2	3.9	89.3	3.2	1.5	89.3	0.0	0.0	1.5	87.3	91.2
Sweden	364	2.4	4.0	89.5	2.3	1.8	89.5	0.7	0.3	0.8	90.2	89.2
Switzerland	508	0.6	1.7	95.1	1.0	1.6	95.1	0.0	0.0	1.6	94.8	95.3
Thailand	726	1.1	3.0	94.3	1.2	0.5	94.3	0.0	0.3	0.3	96.0	91.7
United States	490	2.8	2.3	90.3	2.9	1.7	90.3	0.3	0.0	1.4	93.4	87.3
INTERNATIONAL AVG	.	2.6	4.5	87.3	3.0	2.7	87.3	0.3	0.5	1.9	88.5	86.1

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: L14 KEY: E
 Identify missing numbers in table of proportional x and y values. (Proportionality)
 Difficulty: 693

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	696	8.7	22.1	29.7	14.0	18.2	7.3	18.2	0.0	0.0	7.3	13.8	23.5
Austria	378	7.9	14.5	36.3	12.8	14.7	13.7	14.7	0.0	1.1	12.6	13.4	14.7
Belgium (Fl)	352	6.5	11.6	32.5	14.0	27.4	8.0	27.4	0.0	0.0	8.0	28.7	26.1
Belgium (Fr)	295	4.1	11.5	28.1	12.1	13.7	30.5	13.7	0.5	1.2	28.8	10.6	15.6
Bulgaria	159	4.1	11.6	18.8	9.7	22.3	33.5	22.3	0.0	5.2	28.3	17.2	27.4
Canada	1022	9.1	21.4	27.2	14.7	23.8	3.9	23.8	0.0	0.0	3.9	25.2	23.0
Colombia	330	8.2	19.4	29.5	14.4	9.6	18.9	9.6	0.4	3.7	14.8	9.9	9.5
Cyprus	375	7.5	18.1	33.6	16.3	18.3	6.2	18.3	0.2	0.0	5.9	18.6	18.2
Czech Republic	412	7.8	12.6	29.8	15.9	21.5	12.4	21.5	0.1	0.1	12.1	21.6	21.3
Denmark	272	7.6	9.7	25.0	16.2	10.5	31.1	10.5	0.3	0.0	30.8	7.7	13.5
England	216	6.6	22.7	32.4	17.8	14.7	5.7	14.7	0.0	0.0	5.7	16.6	13.3
France	365	6.2	11.5	23.9	16.2	30.0	12.3	30.0	1.3	0.8	10.1	28.4	31.2
Germany	361	3.0	9.5	22.6	14.4	11.1	39.3	11.1	1.5	0.2	37.6	11.9	10.8
Greece	501	7.9	17.8	24.1	14.6	25.7	9.9	25.7	0.4	0.2	9.4	22.3	29.4
Hong Kong	423	5.1	13.8	29.2	18.0	32.0	1.9	32.0	0.0	0.0	1.9	30.9	32.6
Hungary	382	5.9	14.6	29.7	13.1	18.9	17.8	18.9	0.0	0.4	17.5	21.1	16.6
Iceland	247	10.4	25.5	31.0	14.7	9.0	9.4	9.0	0.0	0.5	8.9	6.1	11.7
Iran, Islamic Rep.	455	11.2	18.9	26.0	12.2	19.9	11.7	19.9	0.0	0.2	11.5	24.3	16.6
Ireland	375	9.4	19.1	32.8	10.6	21.4	6.7	21.4	0.6	0.0	6.1	22.0	20.8
Israel	.	.	.	.	.	.	.	.	.	.	.	.	.
Japan	645	4.0	13.6	8.3	24.9	48.4	0.9	48.4	0.0	0.0	0.9	46.5	50.1
Korea	360	4.7	10.2	32.4	18.1	33.5	1.2	33.5	0.0	0.0	1.2	34.8	32.5
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	316	8.5	15.3	25.3	17.0	11.7	22.2	11.7	0.0	0.9	21.3	12.0	11.4
Lithuania	321	6.4	6.9	20.7	8.8	5.8	51.4	5.8	0.0	2.0	49.4	5.1	6.5
Netherlands	271	4.2	16.4	22.1	18.9	32.8	5.6	32.8	0.0	0.4	5.2	36.2	29.0
New Zealand	395	9.0	21.0	36.1	15.8	13.5	4.7	13.5	0.2	0.2	4.3	12.1	14.6
Norway	305	11.5	23.0	25.8	12.0	10.7	17.1	10.7	0.0	1.2	15.9	13.0	8.5
Philippines	727	15.1	17.6	33.3	16.6	16.8	0.6	16.8	0.0	0.0	0.6	15.4	18.1
Portugal	405	6.1	17.4	32.4	17.1	19.4	7.6	19.4	0.0	0.2	7.4	20.6	18.3
Romania	457	10.6	10.2	18.6	13.2	22.3	25.1	22.3	1.5	2.1	21.5	24.5	19.8
Russian Federation	521	6.4	10.6	18.5	15.0	20.4	29.1	20.4	0.1	0.3	28.7	21.2	19.6
Scotland	356	6.6	16.0	41.0	15.8	14.5	6.1	14.5	0.3	0.0	5.9	15.4	14.0
Singapore	482	3.8	14.2	22.0	13.1	41.7	5.2	41.7	0.0	0.2	5.0	40.4	43.1
Slovak Republic	440	7.7	13.9	26.7	13.7	26.5	11.4	26.5	1.4	0.4	9.6	22.4	31.2
Slovenia	351	6.5	14.4	32.7	13.3	17.1	15.9	17.1	0.5	0.0	15.4	14.0	20.5
South Africa	678	13.4	17.5	30.4	17.8	13.0	7.9	13.0	0.5	3.0	4.4	15.9	10.2
Spain	462	7.2	16.7	30.1	14.5	16.1	15.4	16.1	0.0	0.0	15.4	14.5	17.7
Sweden	364	7.0	19.7	34.4	21.1	10.8	6.9	10.8	0.2	0.3	6.4	12.6	9.1
Switzerland	508	3.6	17.0	27.4	18.9	19.7	13.4	19.7	0.6	0.0	12.8	18.6	20.9
Thailand	726	5.9	18.1	19.9	18.2	35.6	2.3	35.6	0.0	0.3	2.1	37.6	32.7
United States	490	5.9	25.6	31.6	14.6	19.1	3.3	19.1	0.1	0.0	3.2	19.5	18.6
INTERNATIONAL AVG	.	7.3	16.0	27.8	15.3	20.3	13.3	20.3	0.3	0.6	12.4	20.1	20.6

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: L15 KEY: A
 Find fourth quadrilateral angle, given the other three. (Geometry)
 Difficulty: 623

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	696	36.5	20.7	2.7	3.3	35.2	1.6	36.5	0.0	0.1	1.5	37.2	35.7
Austria	378	34.6	14.2	4.1	1.3	43.5	2.3	34.6	0.0	1.3	1.0	31.9	37.7
Belgium (Fl)	352	48.4	18.3	2.7	0.8	28.5	1.3	48.4	0.0	0.0	1.3	50.3	46.6
Belgium (Fr)	295	47.3	14.5	3.4	0.2	32.2	2.4	47.3	0.6	1.2	0.5	39.5	54.2
Bulgaria	159	43.6	11.7	1.9	2.5	30.3	10.1	43.6	0.0	7.6	2.5	46.9	40.3
Canada	1022	29.5	23.2	4.0	1.5	40.9	1.0	29.5	0.0	0.0	1.0	31.6	27.8
Colombia	330	10.6	20.8	6.4	7.0	47.1	8.1	10.6	0.0	5.2	2.9	14.0	7.7
Cyprus	375	38.5	19.9	6.6	5.9	28.5	0.6	38.5	0.0	0.0	0.6	40.1	37.4
Czech Republic	412	38.0	18.2	2.3	0.6	38.6	2.3	38.0	0.0	0.1	2.2	43.2	32.1
Denmark	272	24.5	20.6	6.2	1.9	39.0	7.9	24.5	0.5	1.3	6.1	22.6	26.1
England	216	32.5	22.6	2.9	1.9	38.4	1.5	32.5	0.0	0.0	1.5	24.9	38.5
France	365	32.7	18.8	3.6	2.6	38.7	3.6	32.7	0.3	1.2	2.2	29.1	38.0
Germany	361	36.0	13.3	3.3	1.8	41.5	4.1	36.0	0.0	1.1	3.0	35.2	38.3
Greece	501	27.1	20.7	7.6	3.2	40.0	1.5	27.1	0.4	0.5	0.5	24.7	29.7
Hong Kong	423	48.2	13.7	1.3	1.7	34.2	1.0	48.2	0.2	0.0	0.7	46.5	49.3
Hungary	382	27.1	13.6	5.0	1.6	48.9	3.8	27.1	0.0	0.4	3.5	26.3	27.9
Iceland	247	29.4	25.3	5.6	3.4	33.7	2.5	29.4	0.7	0.5	1.4	25.0	33.4
Iran, Islamic Rep.	455	26.2	21.7	5.4	5.9	39.1	1.7	26.2	0.4	0.9	0.4	18.8	32.2
Ireland	375	32.1	15.3	5.4	2.3	44.1	0.8	32.1	0.0	0.0	0.8	34.3	29.9
Israel	.	.	.	.	.	.	.	.	.	.	.	.	.
Japan	645	42.2	7.4	3.7	2.0	44.7	0.1	42.2	0.0	0.0	0.1	44.1	40.5
Korea	360	58.1	5.0	3.8	2.7	30.4	0.0	58.1	0.0	0.0	0.0	57.3	58.8
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	317	21.5	28.9	3.5	2.1	38.9	5.1	21.5	0.0	0.9	4.1	21.2	21.9
Lithuania	321	5.6	33.4	3.9	2.0	45.1	10.0	5.6	0.0	4.8	5.3	6.3	4.7
Netherlands	271	26.5	30.7	4.2	0.8	36.3	1.6	26.5	0.0	0.4	1.2	21.9	31.7
New Zealand	395	24.0	22.2	5.4	4.8	42.2	1.4	24.0	0.0	0.2	1.2	22.5	25.2
Norway	305	27.0	27.3	5.8	2.7	32.8	4.4	27.0	0.0	1.2	3.2	24.8	29.0
Philippines	727	14.6	20.6	13.3	7.4	43.7	0.3	14.6	0.0	0.0	0.3	14.3	14.9
Portugal	406	19.1	17.3	12.4	4.5	44.1	2.6	19.1	0.0	0.2	2.4	17.0	21.0
Romania	458	39.0	9.9	3.3	1.0	42.5	4.4	39.0	0.6	2.7	1.1	41.0	36.7
Russian Federation	521	32.6	25.4	7.1	2.3	27.2	5.6	32.6	0.0	0.7	4.9	31.4	33.6
Scotland	356	30.1	18.5	6.0	3.4	40.0	2.0	30.1	0.2	0.0	1.8	27.7	33.2
Singapore	482	61.6	6.1	3.3	3.1	25.0	0.9	61.6	0.0	0.3	0.5	60.4	62.9
Slovak Republic	440	33.7	12.1	2.2	1.8	47.4	2.6	33.7	0.7	1.0	1.0	26.7	41.7
Slovenia	351	39.3	14.9	5.2	2.9	36.1	1.6	39.3	0.5	0.0	1.1	37.4	41.3
South Africa	678	11.3	27.6	12.0	17.0	26.0	6.2	11.3	0.6	3.2	2.5	11.4	11.3
Spain	462	26.7	27.7	6.0	5.2	32.5	1.9	26.7	0.0	0.5	1.5	24.8	28.6
Sweden	364	26.4	28.2	7.6	4.8	31.1	1.9	26.4	0.0	0.3	1.5	27.1	26.0
Switzerland	508	26.2	23.7	5.6	2.4	39.8	2.3	26.2	0.0	0.0	2.3	24.5	27.8
Thailand	726	33.3	9.9	3.5	1.8	50.3	1.1	33.3	0.5	0.3	0.3	34.4	31.7
United States	490	14.2	24.3	8.0	4.2	47.5	1.8	14.2	0.1	0.0	1.7	11.4	17.0
INTERNATIONAL AVG	.	31.4	19.2	5.2	3.2	38.1	2.9	31.4	0.2	1.0	1.8	30.2	32.6

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: L16
 Simplify and solve linear equation for X. (Algebra)
 Difficulty: 615

COUNTRY	N	10	70	71	72	79	90	99	V1	NOT REACH		1.GIRL % Right	2.BOY % Right
										ED	OMIT		
Australia	696	14.3	2.4	23.4	21.2	5.8	7.4	25.6	14.3	0.1	25.5	15.1	13.3
Austria	378	42.9	6.1	18.2	8.6	2.3	5.2	16.7	42.9	1.3	15.4	49.7	36.0
Belgium (Fl)	352	32.9	3.9	23.7	8.0	9.3	1.9	20.2	32.9	0.0	20.2	29.6	36.2
Belgium (Fr)	295	8.1	0.0	0.0	0.0	30.8	0.0	61.1	8.1	1.2	59.9	8.8	7.7
Bulgaria	159	69.3	3.1	6.0	0.7	5.9	1.2	13.9	69.3	7.6	6.3	74.1	64.4
Canada	1022	8.0	1.0	42.2	12.3	4.4	6.4	25.6	8.0	0.0	25.6	8.9	7.3
Colombia	330	2.6	0.4	9.7	33.7	5.9	1.8	45.9	2.6	5.9	40.0	2.1	3.2
Cyprus	375	7.8	1.0	27.4	1.9	5.8	3.4	52.7	7.8	0.0	52.7	6.1	9.3
Czech Republic	412	74.7	8.1	9.8	3.3	1.3	0.5	2.3	74.7	0.1	2.1	81.8	66.6
Denmark	272	8.1	0.0	16.8	11.1	8.3	4.0	51.7	8.1	1.3	50.4	6.1	10.3
England	216	17.4	2.9	37.2	14.0	1.8	13.4	13.2	17.4	0.0	13.2	14.6	19.6
France	365	7.5	1.4	22.3	15.8	3.9	3.5	45.5	7.5	1.4	44.1	3.8	12.3
Germany	360	16.5	2.2	12.7	8.7	4.1	5.2	50.8	16.5	1.1	49.7	19.4	13.6
Greece	501	6.0	1.4	29.5	8.7	1.5	6.7	46.3	6.0	0.5	45.7	5.2	6.6
Hong Kong	422	66.4	7.3	15.9	1.7	0.2	1.2	7.3	66.4	0.0	7.3	63.2	68.7
Hungary	382	50.9	4.7	18.2	6.3	3.6	1.5	14.8	50.9	0.8	14.0	53.2	48.5
Iceland	247	5.2	0.6	38.5	10.2	4.0	9.7	31.8	5.2	0.5	31.3	4.0	6.3
Iran, Islamic Rep.	455	2.6	1.5	8.2	27.0	20.6	3.8	36.3	2.6	1.3	35.0	2.7	2.5
Ireland	375	37.6	4.9	26.1	12.8	2.9	3.4	12.2	37.6	0.0	12.2	34.2	41.2
Israel	.	.	.	.	.	.	.	.	.	.	.	.	.
Japan	645	74.5	4.1	11.9	0.1	3.9	0.4	5.1	74.5	0.0	5.1	76.8	72.3
Korea	360	64.6	3.9	12.5	4.6	10.8	0.0	3.6	64.6	0.0	3.6	61.4	67.2
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	317	49.4	5.1	8.8	11.4	4.2	3.9	17.3	49.4	0.9	16.3	51.8	47.0
Lithuania	321	47.6	4.4	5.9	6.2	5.4	0.2	30.3	47.6	4.8	25.5	54.6	39.9
Netherlands	271	2.1	0.4	12.6	19.9	12.2	28.6	24.1	2.1	0.4	23.7	2.3	1.8
New Zealand	395	9.4	0.5	32.4	14.3	10.6	3.0	29.8	9.4	0.2	29.6	8.1	10.6
Norway	305	3.4	2.4	30.8	8.2	9.4	15.0	30.9	3.4	1.2	29.7	4.2	2.7
Philippines	727	6.1	5.5	32.9	18.8	9.5	4.0	23.2	6.1	0.0	23.2	5.6	6.6
Portugal	406	10.3	3.0	30.1	6.9	3.2	4.3	42.1	10.3	0.2	41.9	11.9	8.8
Romania	458	59.7	4.6	3.6	2.9	15.0	0.2	13.9	59.7	2.7	11.2	62.7	56.3
Russian Federation	522	70.0	7.2	8.8	2.2	2.9	0.8	8.1	70.0	0.7	7.4	72.4	67.8
Scotland	356	13.4	1.9	22.8	16.4	10.2	4.0	31.2	13.4	0.0	31.2	9.1	17.9
Singapore	482	59.4	7.6	13.1	6.7	5.3	0.5	7.3	59.4	0.3	7.0	57.3	61.5
Slovak Republic	440	69.7	4.9	11.1	2.1	1.5	1.2	9.5	69.7	1.2	8.3	69.5	70.0
Slovenia	350	22.1	2.2	12.9	7.3	17.3	6.2	32.0	22.1	0.0	32.0	24.1	20.1
South Africa	678	1.7	0.4	31.5	23.0	25.2	1.2	17.0	1.7	3.2	13.8	2.0	1.3
Spain	462	41.5	6.3	17.7	6.0	1.8	1.4	25.3	41.5	0.5	24.8	44.1	38.9
Sweden	364	3.7	0.5	29.5	13.2	1.2	20.7	31.3	3.7	0.6	30.7	2.3	5.0
Switzerland	508	8.2	0.4	19.5	9.8	9.6	13.2	39.3	8.2	0.0	39.3	8.6	7.9
Thailand	726	21.7	3.0	48.0	5.9	3.3	2.1	16.0	21.7	0.3	15.7	21.4	22.2
United States	490	14.9	2.3	35.3	12.2	14.6	6.2	14.5	14.9	0.0	14.5	16.5	13.4
INTERNATIONAL AVG	.	28.3	3.1	20.4	10.1	7.5	4.9	25.6	28.3	1.0	24.6	28.7	27.8

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: LI7 KEY: B
 Subtract three fractions. (Fractions and number sense)
 Difficulty: 571

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	696	12.4	38.5	13.8	23.1	7.7	4.5	38.5	0.0	0.9	3.7	40.3	36.4
Austria	378	4.8	52.6	7.7	26.0	3.5	5.4	52.6	0.2	1.8	3.4	54.3	50.2
Belgium (Fl)	352	2.8	79.5	2.5	10.2	3.9	1.2	79.5	0.0	0.0	1.2	81.0	78.1
Belgium (Fr)	295	8.1	46.2	7.4	21.7	4.9	11.8	46.2	0.0	2.2	9.6	46.4	45.3
Bulgaria	159	3.9	55.8	3.8	19.8	3.0	13.6	55.8	0.0	10.3	3.3	54.1	57.5
Canada	1022	9.7	43.4	10.9	26.5	7.4	2.1	43.4	0.0	0.2	1.9	46.9	40.1
Colombia	330	10.7	15.1	15.0	33.9	5.8	19.5	15.1	0.0	11.7	7.8	11.3	18.8
Cyprus	375	9.5	43.1	9.4	30.4	5.6	2.1	43.1	0.0	0.3	1.8	46.8	40.3
Czech Republic	412	7.4	58.4	3.5	24.4	3.7	2.7	58.4	0.3	0.1	2.3	66.6	49.2
Denmark	272	9.0	28.0	11.1	30.7	7.2	14.1	28.0	0.0	4.9	9.2	24.0	30.5
England	216	14.9	11.5	21.6	43.9	5.6	2.4	11.5	0.0	0.0	2.4	8.4	14.0
France	365	12.5	37.0	12.1	23.4	6.2	8.8	37.0	0.7	3.1	4.9	37.3	37.9
Germany	361	7.4	43.8	5.9	24.0	7.0	11.9	43.8	0.5	3.2	8.2	48.0	40.4
Greece	501	10.7	26.4	10.8	35.1	9.0	8.0	26.4	1.6	1.8	4.6	24.1	28.4
Hong Kong	422	3.5	77.6	6.5	5.2	6.2	1.0	77.6	0.2	0.0	0.8	78.8	76.6
Hungary	.	.	.	.	.	.	.	.	.	.	.	.	.
Iceland	247	13.9	18.5	31.5	23.6	5.2	7.4	18.5	0.4	1.1	5.9	14.8	21.9
Iran, Islamic Rep.	455	11.6	17.1	11.2	42.1	9.2	8.9	17.1	0.2	2.0	6.8	22.6	12.6
Ireland	375	6.1	55.4	4.7	23.5	8.2	2.2	55.4	0.6	0.0	1.6	56.1	54.6
Israel	.	.	.	.	.	.	.	.	.	.	.	.	.
Japan	645	3.9	73.1	4.1	14.3	4.4	0.2	73.1	0.0	0.2	0.0	75.7	70.7
Korea	360	3.7	75.6	5.2	11.0	4.3	0.3	75.6	0.0	0.0	0.3	71.1	79.0
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	317	8.4	41.7	7.7	28.6	6.4	7.1	41.7	0.0	3.9	3.2	50.4	32.3
Lithuania	321	12.1	37.8	6.0	15.8	5.7	22.7	37.8	0.9	9.7	12.1	43.3	31.9
Netherlands	271	8.6	55.1	7.5	18.4	9.4	1.2	55.1	0.0	0.4	0.8	56.3	53.7
New Zealand	395	13.3	31.6	15.2	29.8	8.5	1.6	31.6	0.4	0.4	0.8	31.6	31.6
Norway	305	11.8	22.8	13.7	38.2	6.1	7.5	22.8	0.0	1.7	5.7	21.2	24.2
Philippines	727	18.8	20.9	13.1	36.2	10.3	0.7	20.9	0.0	0.3	0.4	23.1	18.6
Portugal	406	10.7	22.8	11.7	42.6	7.3	5.0	22.8	0.0	0.5	4.5	21.1	24.4
Romania	458	7.7	46.2	3.4	25.4	3.7	13.5	46.2	0.8	4.3	8.4	47.7	44.6
Russian Federation	522	7.4	57.9	3.7	18.6	5.8	6.7	57.9	0.2	1.3	5.2	57.9	57.8
Scotland	356	11.5	15.6	22.4	35.2	10.4	4.9	15.6	0.8	0.0	4.1	12.0	19.4
Singapore	482	2.4	85.8	2.6	4.9	3.8	0.6	85.8	0.0	0.3	0.2	86.2	85.3
Slovak Republic	440	7.4	60.3	1.7	20.8	5.8	4.0	60.3	0.9	1.4	1.7	65.2	54.7
Slovenia	351	4.8	57.4	4.2	26.0	3.3	4.3	57.4	0.3	0.6	3.5	63.2	51.3
South Africa	678	9.0	17.5	12.3	39.3	15.4	6.5	17.5	1.1	3.4	2.0	18.3	15.7
Spain	462	12.5	15.3	18.0	41.3	5.5	7.5	15.3	0.0	1.3	6.2	13.1	17.6
Sweden	364	12.4	19.9	19.7	31.7	11.8	4.4	19.9	0.0	1.7	2.7	22.1	17.9
Switzerland	508	9.4	52.4	6.7	20.5	6.2	4.9	52.4	0.1	0.4	4.5	48.8	55.7
Thailand	726	10.6	47.7	8.2	21.0	8.2	4.3	47.7	0.6	0.5	3.1	49.0	45.9
United States	490	13.0	38.8	12.3	24.5	9.2	2.2	38.8	0.0	0.5	1.7	42.3	35.5
INTERNATIONAL AVG	.	9.2	42.1	10.0	25.9	6.7	6.1	42.1	0.3	2.0	3.8	43.1	41.0

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: M01 KEY: D
 Read mass shown on scale. (Measurement)
 Difficulty: 366

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	715	4.9	1.6	3.6	89.4	0.6	89.4	0.0	0.0	0.6	92.4	86.0
Austria	371	4.2	2.8	4.2	88.4	0.3	88.4	0.0	0.0	0.3	87.0	90.3
Belgium (Fl)	344	2.4	1.3	1.3	94.8	0.2	94.8	0.0	0.0	0.2	96.7	93.1
Belgium (Fr)	289	3.2	1.7	2.8	91.6	0.7	91.6	0.0	0.3	0.4	93.6	90.1
Bulgaria	170	11.8	1.5	5.4	80.1	1.3	80.1	0.0	0.0	1.3	80.8	79.2
Canada	1016	5.1	1.2	5.6	87.9	0.2	87.9	0.0	0.0	0.2	88.2	87.6
Colombia	332	31.1	2.3	11.5	52.9	2.2	52.9	0.0	0.2	1.9	45.6	60.9
Cyprus	381	18.6	6.7	7.0	66.6	1.1	66.6	0.0	0.0	1.1	65.4	67.9
Czech Republic	415	8.3	2.3	0.8	88.6	0.0	88.6	0.0	0.0	0.0	84.7	92.6
Denmark	273	3.4	3.0	4.5	88.3	0.8	88.3	0.0	0.3	0.6	90.5	86.2
England	227	9.1	2.2	4.2	84.5	0.0	84.5	0.0	0.0	0.0	78.8	89.5
France	378	2.2	0.9	1.9	93.1	2.0	93.1	0.3	0.0	1.7	94.5	93.3
Germany	364	4.0	0.7	1.9	92.8	0.6	92.8	0.0	0.2	0.4	90.4	95.5
Greece	493	14.0	2.2	3.7	78.8	1.3	78.8	0.2	0.6	0.6	76.1	81.1
Hong Kong	422	1.4	3.3	2.6	91.7	1.0	91.7	0.0	0.0	1.0	92.3	91.3
Hungary	388	3.6	1.7	2.8	91.8	0.2	91.8	0.0	0.0	0.2	92.8	90.6
Iceland	248	8.1	2.8	2.7	86.0	0.4	86.0	0.0	0.0	0.4	86.9	85.1
Iran, Islamic Rep.	468	25.6	7.6	5.2	61.3	0.2	61.3	0.0	0.0	0.2	57.0	64.6
Ireland	378	10.4	2.0	4.8	82.5	0.3	82.5	0.0	0.0	0.3	79.2	87.0
Israel	.	.	.	.	.	.	.	.	.	.	.	.
Japan	644	0.8	3.2	1.4	94.4	0.1	94.4	0.0	0.0	0.1	95.8	93.1
Korea	359	2.8	2.2	0.6	94.4	0.0	94.4	0.0	0.0	0.0	93.3	95.2
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	319	9.3	2.3	5.0	82.2	1.3	82.2	0.0	0.3	1.0	80.7	83.6
Lithuania	310	14.2	2.9	4.0	77.3	1.7	77.3	0.0	0.7	1.0	72.9	82.3
Netherlands	257	2.2	1.1	2.3	94.1	0.3	94.1	0.0	0.3	0.0	96.5	92.3
New Zealand	402	6.8	1.2	5.7	85.7	0.7	85.7	0.0	0.3	0.4	86.0	85.4
Norway	307	8.3	0.5	4.9	85.5	0.8	85.5	0.0	0.6	0.3	84.9	85.9
Philippines	730	30.1	5.5	9.6	54.7	0.1	54.7	0.0	0.0	0.1	52.0	57.5
Portugal	418	10.6	4.1	4.4	80.9	0.0	80.9	0.0	0.0	0.0	78.9	83.2
Romania	464	19.4	3.2	4.5	71.6	1.3	71.6	0.2	0.0	1.1	71.8	71.1
Russian Federation	523	10.8	1.4	4.2	83.4	0.2	83.4	0.0	0.0	0.2	80.2	86.7
Scotland	362	7.5	2.1	4.6	85.5	0.3	85.5	0.0	0.0	0.3	85.5	85.5
Singapore	451	2.9	2.6	1.2	93.3	0.0	93.3	0.0	0.0	0.0	93.7	92.9
Slovak Republic	436	9.4	0.5	2.1	87.7	0.2	87.7	0.0	0.0	0.2	86.7	88.5
Slovenia	359	6.8	1.0	2.7	88.9	0.6	88.9	0.0	0.0	0.6	84.9	92.7
South Africa	645	24.1	12.5	9.8	49.3	4.4	49.3	0.0	2.3	2.1	44.9	54.3
Spain	467	11.0	3.6	11.8	72.9	0.7	72.9	0.0	0.0	0.7	65.4	80.1
Sweden	363	6.5	1.5	4.0	87.5	0.5	87.5	0.0	0.0	0.5	86.4	88.4
Switzerland	498	4.8	1.4	1.0	92.5	0.3	92.5	0.0	0.0	0.3	93.8	91.1
Thailand	734	6.5	1.6	1.3	90.0	0.7	90.0	0.0	0.1	0.6	89.0	91.8
United States	487	5.5	4.5	6.6	83.3	0.1	83.3	0.0	0.0	0.1	84.3	82.4
INTERNATIONAL AVG	.	9.3	2.7	4.2	83.1	0.7	83.1	0.0	0.2	0.5	82.0	84.4

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: M02 KEY: A
 Identify all lines of symmetry for a rectangle. (Geometry)
 Difficulty: 499

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	715	70.5	3.3	6.2	17.7	2.3	70.5	0.0	0.0	2.3	75.9	64.3
Austria	371	53.0	2.4	3.2	39.9	1.5	53.0	0.0	0.0	1.5	51.7	56.1
Belgium (Fl)	344	77.7	0.8	1.4	19.4	0.8	77.7	0.0	0.0	0.8	75.8	79.3
Belgium (Fr)	289	70.5	2.9	3.0	18.2	5.4	70.5	0.5	0.3	4.5	69.8	70.4
Bulgaria	170	66.1	1.3	2.0	23.5	7.0	66.1	0.0	0.0	7.0	65.8	66.5
Canada	1016	77.8	1.3	5.4	15.1	0.5	77.8	0.3	0.0	0.2	74.4	80.9
Colombia	332	39.5	2.9	8.0	44.5	5.0	39.5	0.0	0.2	4.8	39.2	38.6
Cyprus	381	55.8	2.2	2.6	36.3	3.1	55.8	0.5	0.0	2.6	55.9	55.6
Czech Republic	415	69.0	0.4	1.5	26.0	3.1	69.0	1.8	0.0	1.3	69.4	68.5
Denmark	273	51.1	3.8	7.8	28.1	9.2	51.1	0.7	0.3	8.2	46.7	57.3
England	227	78.9	1.4	5.7	9.3	4.7	78.9	0.0	0.0	4.7	77.0	80.7
France	378	78.5	0.3	0.3	15.8	5.0	78.5	2.7	0.0	2.3	78.7	79.6
Germany	364	58.2	4.6	2.2	23.1	11.9	58.2	2.4	0.2	9.3	58.3	56.8
Greece	493	50.3	3.3	8.6	31.1	6.7	50.3	0.6	0.6	5.4	51.1	49.6
Hong Kong	422	78.3	3.2	3.6	12.3	2.7	78.3	0.2	0.0	2.5	76.2	79.7
Hungary	388	80.1	0.5	1.9	14.5	3.0	80.1	0.0	0.0	3.0	79.6	80.6
Iceland	248	75.7	2.9	1.6	18.5	1.2	75.7	0.2	0.0	1.0	83.2	69.2
Iran, Islamic Rep.	468	67.5	4.8	7.5	18.3	1.9	67.5	0.6	0.0	1.2	71.7	64.1
Ireland	378	58.8	2.4	10.4	25.6	2.7	58.8	0.6	0.0	2.1	60.1	57.0
Israel	.	.	.	.	.	.	.	.	.	.	.	.
Japan	644	82.0	3.2	1.1	11.5	2.2	82.0	1.4	0.0	0.8	83.6	80.4
Korea	359	49.0	4.4	2.6	44.0	0.0	49.0	0.0	0.0	0.0	44.0	52.8
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	318	44.7	2.6	5.3	37.4	10.0	44.7	0.0	0.3	9.8	44.7	45.1
Lithuania	310	48.6	4.8	2.5	29.3	14.8	48.6	1.1	0.7	12.9	49.0	48.2
Netherlands	257	84.8	0.9	0.5	11.8	2.0	84.8	0.0	0.3	1.7	84.1	85.9
New Zealand	402	69.6	2.3	9.0	17.6	1.4	69.6	0.4	0.3	0.8	70.3	69.0
Norway	307	46.7	3.5	7.8	37.8	4.2	46.7	0.0	0.6	3.7	48.8	45.1
Philippines	730	44.8	4.9	20.7	29.3	0.3	44.8	0.0	0.0	0.3	45.9	43.6
Portugal	418	45.5	2.0	11.8	39.3	1.4	45.5	0.0	0.0	1.4	43.7	47.8
Romania	464	48.6	2.3	3.1	36.1	10.0	48.6	3.6	0.0	6.3	49.1	48.5
Russian Federation	523	61.3	4.0	2.9	26.0	5.8	61.3	0.9	0.0	4.9	63.7	58.9
Scotland	362	83.4	4.0	2.1	8.1	2.4	83.4	1.8	0.0	0.6	86.4	80.9
Singapore	451	76.8	2.0	5.2	15.0	1.0	76.8	0.0	0.0	1.0	77.7	75.9
Slovak Republic	436	70.2	1.7	0.2	25.3	2.6	70.2	1.9	0.0	0.7	73.5	67.6
Slovenia	359	51.0	1.5	1.2	42.6	3.6	51.0	1.2	0.0	2.5	52.6	49.5
South Africa	645	30.8	10.7	21.2	29.8	7.5	30.8	0.3	2.3	4.8	27.5	34.2
Spain	467	47.1	2.1	4.2	42.6	4.0	47.1	0.0	0.0	4.0	44.0	50.0
Sweden	363	51.2	4.1	18.6	25.5	0.6	51.2	0.0	0.0	0.6	47.0	55.7
Switzerland	498	58.3	4.9	4.3	28.8	3.7	58.3	1.6	0.0	2.1	58.6	58.0
Thailand	734	79.1	5.4	2.3	12.5	0.6	79.1	0.0	0.1	0.5	78.5	79.8
United States	487	66.0	3.6	9.0	21.1	0.3	66.0	0.0	0.0	0.3	68.6	63.5
INTERNATIONAL AVG	.	62.4	3.0	5.5	25.2	3.9	62.4	0.6	0.2	3.1	62.5	62.4

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: M03 KEY: A
 Compare chance of picking a red marble from 3 sizes of marble bags. (Data Rep., Analysis & Prob.)
 Difficulty: 433

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	715	78.6	1.9	8.2	11.4	0.0	78.6	0.0	0.0	0.0	77.8	79.5
Austria	371	77.1	0.6	7.7	13.0	1.5	77.1	0.0	0.0	1.5	78.7	76.5
Belgium (Fl)	344	89.7	0.9	4.0	5.0	0.5	89.7	0.0	0.0	0.5	91.2	88.4
Belgium (Fr)	289	82.9	1.0	6.9	8.3	0.9	82.9	0.0	0.3	0.6	79.4	86.6
Bulgaria	170	77.4	2.7	3.9	15.1	0.9	77.4	0.5	0.0	0.4	82.8	70.9
Canada	1016	85.5	0.8	6.1	7.3	0.3	85.5	0.0	0.0	0.3	86.0	84.7
Colombia	332	40.5	3.0	16.1	38.4	1.9	40.5	0.6	0.2	1.1	41.4	39.1
Cyprus	379	63.3	5.6	16.9	14.1	0.2	63.3	0.0	0.0	0.2	62.5	64.0
Czech Republic	415	65.9	1.5	9.5	22.6	0.5	65.9	0.0	0.0	0.5	59.9	72.0
Denmark	273	76.5	0.5	8.6	13.4	1.0	76.5	0.8	0.3	0.0	75.6	76.6
England	227	80.9	0.0	9.6	9.5	0.0	80.9	0.0	0.0	0.0	76.3	84.9
France	378	81.7	0.9	2.9	12.0	2.5	81.7	0.6	0.0	2.0	81.5	84.7
Germany	364	77.9	0.3	5.6	14.2	2.0	77.9	0.6	0.2	1.2	76.6	80.0
Greece	493	60.7	4.3	19.6	13.8	1.6	60.7	0.4	0.6	0.6	58.9	62.3
Hong Kong	422	84.9	2.5	5.0	7.3	0.2	84.9	0.0	0.0	0.2	87.2	83.5
Hungary	388	76.6	0.7	5.0	17.1	0.7	76.6	0.0	0.0	0.7	73.6	79.7
Iceland	248	76.0	1.9	8.7	13.4	0.0	76.0	0.0	0.0	0.0	73.1	78.6
Iran, Islamic Rep.	468	31.4	5.3	16.0	46.4	1.0	31.4	0.0	0.0	1.0	24.6	36.9
Ireland	378	76.1	1.1	7.1	15.7	0.0	76.1	0.0	0.0	0.0	75.8	76.5
Israel	.	.	.	.	.	.	.	.	.	.	.	.
Japan	644	81.2	3.1	6.0	9.4	0.3	81.2	0.0	0.2	0.1	81.0	81.4
Korea	359	86.0	1.1	6.1	6.9	0.0	86.0	0.0	0.0	0.0	86.3	85.7
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	319	51.3	1.4	10.1	36.3	0.9	51.3	0.0	0.5	0.4	50.8	51.5
Lithuania	310	56.1	2.0	6.7	31.5	3.7	56.1	0.3	1.2	2.2	55.0	57.5
Netherlands	257	89.1	1.1	2.6	7.0	0.3	89.1	0.0	0.3	0.0	93.1	85.8
New Zealand	402	74.1	1.3	11.5	12.4	0.7	74.1	0.0	0.3	0.4	73.2	75.0
Norway	307	78.9	3.7	6.4	10.5	0.6	78.9	0.0	0.6	0.0	77.5	79.9
Philippines	730	36.8	9.3	34.4	19.3	0.1	36.8	0.0	0.0	0.1	38.0	35.6
Portugal	418	59.9	2.4	7.7	28.7	1.2	59.9	0.0	0.0	1.2	60.2	59.6
Romania	467	51.9	2.4	9.6	33.2	2.9	51.9	1.0	0.0	1.9	50.1	54.4
Russian Federation	523	62.5	2.2	7.5	26.2	1.7	62.5	0.0	0.0	1.7	56.7	68.6
Scotland	362	76.8	1.7	5.8	15.4	0.3	76.8	0.3	0.0	0.0	75.9	77.8
Singapore	451	82.3	1.3	6.0	10.4	0.0	82.3	0.0	0.0	0.0	84.0	80.7
Slovak Republic	436	70.1	0.4	4.7	24.6	0.3	70.1	0.0	0.0	0.3	66.0	73.4
Slovenia	359	80.7	1.0	4.5	11.9	1.9	80.7	1.0	0.0	0.9	77.5	83.7
South Africa	645	30.3	6.3	37.3	19.7	6.4	30.3	0.3	2.3	3.8	27.5	33.7
Spain	467	80.3	0.5	5.2	13.3	0.7	80.3	0.0	0.0	0.7	83.5	77.4
Sweden	363	84.3	0.7	4.9	10.1	0.0	84.3	0.0	0.0	0.0	84.6	84.5
Switzerland	498	81.1	1.4	4.3	12.6	0.7	81.1	0.4	0.0	0.3	78.4	83.9
Thailand	734	74.2	1.1	8.9	15.1	0.7	74.2	0.0	0.1	0.6	75.3	73.7
United States	487	82.0	1.3	10.0	6.4	0.2	82.0	0.0	0.0	0.2	78.5	85.4
INTERNATIONAL AVG	.	71.3	2.0	9.2	16.5	1.0	71.3	0.2	0.2	0.6	70.4	72.4

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: M04 KEY: A
 Identify the largest fraction. (Fractions and number sense)
 Difficulty: 615

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	715	37.6	32.9	3.6	25.1	0.8	37.6	0.0	0.0	0.8	34.8	40.8
Austria	371	34.6	40.0	3.4	18.8	3.2	34.6	0.0	0.0	3.2	36.6	31.4
Belgium (Fl)	344	64.3	24.5	5.6	4.9	0.7	64.3	0.0	0.0	0.7	63.7	64.8
Belgium (Fr)	289	44.3	39.8	5.2	9.8	0.9	44.3	0.2	0.3	0.4	42.0	47.7
Bulgaria	170	35.6	36.7	1.6	22.3	3.9	35.6	0.5	0.0	3.4	42.4	27.4
Canada	1016	48.0	24.0	3.1	24.0	0.9	48.0	0.1	0.0	0.8	40.4	56.5
Colombia	332	5.9	11.1	2.1	78.2	2.7	5.9	0.3	0.2	2.2	4.4	7.6
Cyprus	379	37.1	38.9	5.1	18.3	0.6	37.1	0.3	0.0	0.3	35.0	39.3
Czech Republic	415	30.9	26.3	4.8	36.7	1.3	30.9	0.5	0.0	0.8	31.9	29.9
Denmark	273	27.1	28.1	7.0	35.6	2.1	27.1	0.0	0.3	1.9	29.1	25.9
England	227	36.3	27.5	2.2	33.2	0.9	36.3	0.0	0.0	0.9	28.6	43.2
France	378	37.3	26.6	5.7	27.3	3.2	37.3	0.3	0.0	2.9	37.2	38.8
Germany	364	31.8	40.3	2.7	22.0	3.2	31.8	0.5	0.2	2.4	35.5	28.1
Greece	493	25.0	35.8	2.4	35.2	1.6	25.0	0.3	0.6	0.7	21.4	28.2
Hong Kong	422	54.5	31.9	3.3	10.0	0.3	54.5	0.0	0.0	0.3	49.2	58.0
Hungary	388	34.3	31.2	5.0	26.0	3.4	34.3	0.0	0.0	3.4	35.0	33.7
Iceland	248	33.9	44.2	1.8	17.6	2.5	33.9	0.8	0.0	1.6	25.8	40.9
Iran, Islamic Rep.	468	7.6	21.8	2.9	66.1	1.5	7.6	0.0	0.0	1.5	5.2	9.6
Ireland	378	48.3	38.1	5.2	8.1	0.3	48.3	0.3	0.0	0.0	45.2	52.4
Israel	.	.	.	.	.	.	.	.	.	.	.	.
Japan	644	57.3	26.1	5.4	10.3	0.9	57.3	0.4	0.2	0.3	55.1	59.4
Korea	359	62.8	21.4	4.0	11.8	0.0	62.8	0.0	0.0	0.0	59.7	65.1
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	319	17.4	50.6	4.7	23.5	3.8	17.4	0.0	0.5	3.3	15.3	19.5
Lithuania	310	15.7	35.6	1.8	42.5	4.3	15.7	0.0	1.2	3.1	15.4	16.1
Netherlands	257	41.5	41.2	4.1	10.8	2.3	41.5	0.0	0.3	2.0	34.6	47.5
New Zealand	402	37.7	31.7	4.7	24.4	1.5	37.7	0.0	0.3	1.2	39.3	36.1
Norway	307	32.0	29.6	3.3	32.6	2.5	32.0	0.0	0.6	2.0	24.1	38.0
Philippines	730	15.3	37.7	2.7	43.6	0.7	15.3	0.0	0.0	0.7	14.0	16.8
Portugal	418	16.5	25.8	8.6	47.9	1.2	16.5	0.0	0.0	1.2	14.1	19.3
Romania	467	18.9	27.2	4.7	44.7	4.4	18.9	0.6	0.0	3.8	12.9	25.7
Russian Federation	523	24.6	37.5	3.7	31.7	2.6	24.6	0.1	0.0	2.4	18.5	30.9
Scotland	362	24.2	35.0	3.3	35.4	2.2	24.2	0.4	0.0	1.8	21.0	27.0
Singapore	451	73.0	16.5	4.4	5.5	0.6	73.0	0.0	0.0	0.6	79.2	67.2
Slovak Republic	436	36.2	22.9	1.5	37.7	1.6	36.2	0.5	0.0	1.1	37.8	35.0
Slovenia	359	33.0	28.4	3.5	33.8	1.4	33.0	0.2	0.0	1.2	30.0	35.8
South Africa	645	9.8	31.7	5.3	45.6	7.6	9.8	0.7	2.3	4.6	9.9	9.8
Spain	467	15.2	17.8	4.0	62.3	0.7	15.2	0.0	0.0	0.7	10.6	19.5
Sweden	363	29.0	40.1	3.7	26.7	0.5	29.0	0.2	0.0	0.3	28.3	29.9
Switzerland	498	49.4	25.0	3.7	20.3	1.6	49.4	0.8	0.0	0.8	45.7	53.3
Thailand	734	31.0	32.6	5.3	29.2	2.0	31.0	0.0	0.1	1.9	29.1	32.8
United States	487	34.0	33.0	4.6	27.9	0.5	34.0	0.0	0.0	0.5	28.7	39.0
INTERNATIONAL AVG	.	33.7	31.2	4.0	29.2	1.9	33.7	0.2	0.2	1.5	31.7	35.7

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: M05 KEY: D
 Find diagram resulting from rotation of a 2-dimensional figure. (Geometry)
 Difficulty: 565

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	715	12.3	15.4	21.0	36.9	10.8	3.6	36.9	0.0	0.0	3.6	40.7	32.5
Austria	.	.	.	.	.	.	.	.	.	.	.	.	.
Belgium (Fl)	344	16.6	19.3	11.9	39.3	9.9	2.9	39.3	0.0	0.0	2.9	34.7	43.2
Belgium (Fr)	289	13.7	14.8	9.7	43.1	12.1	6.6	43.1	0.8	0.3	5.4	42.6	43.4
Bulgaria	170	21.5	5.1	18.3	40.2	10.8	4.0	40.2	0.8	0.7	2.6	35.6	45.8
Canada	1016	7.5	15.8	15.8	48.5	10.9	1.6	48.5	0.6	0.0	1.0	46.7	51.1
Colombia	332	9.3	23.5	18.8	27.8	14.0	6.6	27.8	1.8	0.2	4.6	29.9	24.4
Cyprus	379	13.5	19.7	23.9	23.1	15.3	4.5	23.1	0.2	0.0	4.3	22.0	24.2
Czech Republic	415	10.1	11.0	4.1	63.1	9.0	2.6	63.1	1.3	0.0	1.3	57.4	69.0
Denmark	273	7.2	10.9	8.4	58.7	9.7	5.1	58.7	0.0	0.3	4.9	61.2	56.2
England	227	13.5	15.5	13.9	39.8	12.8	4.5	39.8	0.0	0.0	4.5	34.3	44.6
France	378	12.3	10.4	0.9	61.1	12.0	3.3	61.1	0.3	0.0	3.0	55.0	68.5
Germany	364	8.0	17.8	12.5	37.5	11.7	12.5	37.5	1.1	0.2	11.2	39.2	36.6
Greece	493	11.8	13.1	29.3	27.4	12.8	5.4	27.4	0.9	0.6	3.9	24.3	30.1
Hong Kong	422	5.1	5.5	8.5	66.4	12.5	2.0	66.4	0.0	0.0	2.0	64.7	67.5
Hungary	388	9.6	9.8	7.5	55.5	15.4	2.2	55.5	0.0	0.0	2.2	49.3	62.0
Iceland	248	4.9	12.9	4.0	59.4	15.5	3.3	59.4	0.0	0.0	3.3	59.9	58.9
Iran, Islamic Rep.	468	16.0	17.2	18.1	32.3	14.1	2.3	32.3	0.8	0.0	1.5	30.8	33.5
Ireland	378	12.0	17.0	24.6	28.3	15.5	2.7	28.3	0.2	0.0	2.5	29.1	27.2
Israel	.	.	.	.	.	.	.	.	.	.	.	.	.
Japan	644	2.4	6.9	1.3	81.2	7.1	1.0	81.2	0.2	0.2	0.6	80.5	82.0
Korea	359	19.9	18.4	3.2	51.8	6.5	0.3	51.8	0.0	0.0	0.3	46.3	56.0
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	318	6.0	13.7	16.9	45.9	8.8	8.6	45.9	0.0	0.5	8.1	39.1	52.7
Lithuania	310	11.5	14.0	18.4	35.1	9.8	11.2	35.1	0.0	1.2	10.0	33.1	37.4
Netherlands	257	11.4	17.8	6.6	46.1	15.8	2.3	46.1	0.0	0.3	1.9	46.9	46.0
New Zealand	402	11.2	15.2	20.8	38.3	12.0	2.5	38.3	0.6	0.3	1.5	44.0	32.6
Norway	307	12.4	15.5	15.1	46.1	7.2	3.7	46.1	0.0	0.6	3.1	40.9	50.0
Philippines	730	20.3	20.7	29.2	20.5	8.9	0.4	20.5	0.0	0.0	0.4	19.5	21.7
Portugal	418	15.9	13.2	24.3	27.9	16.8	1.8	27.9	0.0	0.0	1.8	23.1	33.7
Romania	466	10.8	7.5	25.3	32.1	13.4	10.9	32.1	5.2	0.0	5.7	32.0	31.4
Russian Federation	523	14.6	13.5	8.4	49.9	9.2	4.3	49.9	0.7	0.0	3.6	46.6	53.4
Scotland	362	8.5	12.0	27.4	33.3	13.1	5.6	33.3	2.9	0.0	2.8	36.6	30.7
Singapore	451	7.8	19.4	8.2	51.2	11.1	2.3	51.2	0.0	0.0	2.3	54.2	48.2
Slovak Republic	436	5.3	5.9	14.4	62.5	10.4	1.6	62.5	0.3	0.0	1.3	59.8	64.6
Slovenia	359	13.2	7.0	16.2	51.6	9.5	2.6	51.6	0.8	0.0	1.8	51.1	52.1
South Africa	645	12.9	10.0	36.4	10.7	16.3	13.7	10.7	0.4	2.3	11.0	11.2	10.4
Spain	467	24.7	19.1	10.9	33.9	8.9	2.5	33.9	0.0	0.0	2.5	32.8	35.0
Sweden	363	6.6	15.0	12.3	51.0	12.2	2.8	51.0	0.3	0.0	2.5	46.0	55.9
Switzerland	498	10.5	20.0	13.5	43.0	8.9	4.1	43.0	0.3	0.0	3.8	40.9	45.1
Thailand	734	28.4	16.7	6.3	39.4	8.7	0.5	39.4	0.0	0.1	0.4	39.7	38.3
United States	487	12.4	23.5	20.9	34.1	7.7	1.4	34.1	0.0	0.0	1.4	36.0	32.4
INTERNATIONAL AVG	.	12.1	14.4	15.1	42.9	11.5	4.1	42.9	0.5	0.2	3.4	41.5	44.3

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: M06
 Compute number of girls, given total students and girl:boy ratio. (Proportionality)
 Difficulty: 634

COUNTRY	N	10	70	71	72	73	74	79	90	99	V1	NOT	1. GIRL	2. BOY	
												REACH			% Right
												ED			
Australia	715	33.1	3.6	10.3	2.2	7.3	4.5	21.9	1.5	15.5	33.1	0.3	15.2	33.6	32.5
Austria	371	41.6	5.5	6.6	1.6	4.7	11.9	16.2	2.3	9.5	41.6	0.0	9.5	41.6	42.7
Belgium (Fl)	344	36.8	12.0	9.3	0.9	1.6	18.2	11.8	0.7	8.8	36.8	0.0	8.8	35.0	38.4
Belgium (Fr)	289	38.1	0.0	0.0	0.0	0.0	0.0	40.1	0.0	21.8	38.1	0.6	21.1	38.6	38.1
Bulgaria	170	46.4	1.8	10.3	0.0	7.1	1.2	10.6	0.7	21.8	46.4	1.4	20.5	46.0	46.9
Canada	1016	27.8	5.7	7.2	1.6	7.8	5.9	29.0	2.5	12.5	27.8	0.0	12.5	23.5	32.0
Colombia	332	10.9	4.6	5.5	2.5	7.3	4.9	32.7	1.1	30.4	10.9	0.4	30.0	10.1	11.7
Cyprus	379	17.8	4.8	7.8	3.4	3.3	12.6	12.9	4.1	33.3	17.8	0.0	33.3	11.6	24.3
Czech Republic	415	47.1	6.0	8.3	0.5	4.6	9.6	8.5	3.5	12.0	47.1	0.0	12.0	48.7	45.4
Denmark	273	24.7	4.6	7.1	2.1	5.9	9.4	16.7	0.5	29.1	24.7	0.6	28.5	20.3	29.0
England	227	40.4	2.8	7.9	1.9	10.1	4.8	21.6	3.1	7.4	40.4	0.0	7.4	31.4	48.3
France	378	29.4	4.5	6.2	1.3	7.1	11.5	15.0	1.9	22.9	29.4	0.0	22.9	30.6	28.4
Germany	362	19.2	6.9	5.0	2.0	8.6	5.8	17.5	2.3	32.7	19.2	1.4	31.4	15.2	24.0
Greece	493	9.9	6.0	6.0	3.7	4.4	14.6	19.2	2.5	33.8	9.9	0.6	33.1	8.4	11.2
Hong Kong	422	46.6	4.9	10.1	1.2	4.6	13.9	11.3	0.8	6.8	46.6	0.0	6.8	42.9	49.0
Hungary	388	36.6	7.8	8.8	2.8	4.2	6.3	16.5	0.4	16.6	36.6	0.0	16.6	40.2	32.8
Iceland	248	21.5	7.7	16.5	5.8	10.4	5.9	21.1	2.1	9.0	21.5	0.0	9.0	18.0	24.5
Iran, Islamic Rep.	468	19.2	8.6	11.2	0.7	3.6	9.9	32.6	2.4	11.8	19.2	0.0	11.8	19.8	18.4
Ireland	378	56.1	5.2	9.3	1.0	0.8	6.4	13.6	1.2	6.3	56.1	0.0	6.3	50.4	63.7
Israel	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Japan	644	47.0	2.4	18.5	1.8	2.8	8.3	10.0	1.8	7.4	47.0	0.2	7.2	48.2	45.8
Korea	359	58.1	2.1	13.7	2.1	3.9	6.8	9.5	0.0	3.8	58.1	0.0	3.8	61.4	55.5
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	319	21.2	6.7	7.9	3.0	2.5	4.7	19.6	3.0	31.4	21.2	0.5	30.9	17.5	24.1
Lithuania	310	12.9	9.4	6.4	2.9	2.7	1.8	14.6	1.8	47.5	12.9	1.7	45.8	12.8	12.9
Netherlands	257	42.7	11.7	8.4	0.9	5.4	11.8	9.2	2.2	7.7	42.7	0.3	7.3	45.0	40.4
New Zealand	402	30.2	2.1	10.5	6.0	9.8	7.4	24.4	0.2	9.4	30.2	0.3	9.1	25.0	35.4
Norway	307	15.2	8.9	7.8	4.1	5.9	10.0	23.3	5.5	19.4	15.2	0.6	18.8	13.8	16.3
Philippines	730	14.7	10.8	4.5	2.5	6.2	7.9	38.5	1.9	13.0	14.7	0.0	13.0	16.1	13.1
Portugal	418	7.6	4.9	11.0	3.6	7.2	9.2	31.6	2.2	22.6	7.6	0.0	22.6	4.9	11.0
Romania	466	22.1	3.8	4.1	1.6	0.9	5.8	22.3	0.3	39.1	22.1	0.0	39.1	20.5	23.0
Russian Federation	523	25.4	5.2	5.2	2.4	2.9	14.4	11.9	1.0	31.6	25.4	0.0	31.6	21.9	29.0
Scotland	362	26.4	4.0	5.4	2.9	10.0	4.6	27.4	1.2	18.0	26.4	0.0	18.0	25.9	26.6
Singapore	451	89.3	0.6	4.6	0.0	0.5	0.3	3.0	0.2	1.5	89.3	0.0	1.5	91.5	87.2
Slovak Republic	436	45.6	4.8	7.4	4.5	1.5	3.3	11.4	2.4	19.2	45.6	0.0	19.2	49.3	42.6
Slovenia	359	18.9	7.9	7.0	8.1	7.3	5.1	17.2	4.1	24.4	18.9	0.0	24.4	16.5	21.2
South Africa	645	5.5	2.9	5.6	1.5	6.9	4.6	52.5	0.4	19.9	5.5	2.4	17.5	4.7	6.5
Spain	467	14.0	6.3	5.4	6.0	3.2	9.9	26.9	1.8	26.6	14.0	0.0	26.6	12.2	15.6
Sweden	363	18.7	7.7	8.2	5.2	8.3	8.6	21.9	3.8	17.5	18.7	0.0	17.5	16.6	20.8
Switzerland	498	25.7	12.0	7.4	3.2	7.4	16.4	13.6	3.1	11.2	25.7	0.0	11.2	22.7	28.9
Thailand	734	37.2	4.3	5.4	1.5	9.3	16.0	18.2	0.6	7.6	37.2	0.1	7.5	38.1	36.1
United States	487	27.1	6.3	9.3	3.0	11.6	6.9	26.4	1.6	7.9	27.1	0.0	7.9	27.3	26.9
INTERNATIONAL AVG	.	30.2	5.7	7.9	2.6	5.5	8.0	20.0	1.8	18.2	30.2	0.3	17.9	28.9	31.5

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: M07 KEY: D
 Find angle based on supplementary pairs. (Geometry)
 Difficulty: 457

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	715	6.8	10.7	5.0	72.7	3.8	1.0	72.7	0.0	0.3	0.7	70.7	75.0
Austria	371	3.7	8.5	4.9	72.8	8.3	1.8	72.8	0.0	0.0	1.8	75.9	67.6
Belgium (Fl)	344	2.2	6.9	1.3	78.4	9.9	1.4	78.4	0.2	0.0	1.1	77.9	78.9
Belgium (Fr)	289	1.8	5.8	4.0	75.2	9.6	3.6	75.2	0.7	0.6	2.3	76.2	74.8
Bulgaria	170	12.0	5.7	6.4	65.5	1.7	8.5	65.5	0.0	2.1	6.5	69.6	60.7
Canada	1016	7.6	9.7	6.4	71.1	4.2	1.0	71.1	0.0	0.0	1.0	69.4	73.2
Colombia	332	39.5	16.3	7.1	29.1	4.0	4.0	29.1	0.0	0.4	3.6	23.9	34.1
Cyprus	380	8.7	11.7	8.8	63.5	4.9	2.5	63.5	0.0	0.0	2.5	55.4	72.1
Czech Republic	415	6.8	2.7	2.0	77.8	9.1	1.5	77.8	0.6	0.0	0.9	79.2	76.5
Denmark	273	7.7	9.8	5.9	66.6	3.8	6.2	66.6	0.2	0.6	5.4	68.9	63.9
England	227	6.6	15.2	8.4	64.2	4.9	0.8	64.2	0.0	0.0	0.8	61.2	66.8
France	378	1.9	5.2	3.5	76.7	9.5	3.2	76.7	0.0	0.0	3.2	74.2	80.4
Germany	364	9.9	4.6	6.0	57.9	7.2	14.3	57.9	1.1	1.4	11.9	58.3	57.5
Greece	493	12.4	12.4	8.0	56.3	7.9	2.9	56.3	0.3	0.6	2.0	53.9	58.4
Hong Kong	422	9.0	6.3	3.0	79.5	1.9	0.3	79.5	0.0	0.0	0.3	79.6	79.4
Hungary	388	2.6	5.5	3.8	79.9	6.3	1.9	79.9	0.0	0.0	1.9	80.2	79.6
Iceland	248	4.3	5.8	4.7	77.9	6.1	1.2	77.9	0.0	0.0	1.2	76.7	78.9
Iran, Islamic Rep.	468	11.1	10.5	8.6	58.0	11.2	0.6	58.0	0.0	0.0	0.6	56.3	59.2
Ireland	378	14.2	15.3	5.5	55.9	7.4	1.7	55.9	0.0	0.0	1.7	51.5	61.8
Israel	.	.	.	.	.	.	.	.	.	.	.	.	.
Japan	644	1.6	3.9	3.2	86.9	4.1	0.4	86.9	0.0	0.2	0.2	87.3	86.5
Korea	359	8.5	6.5	3.0	77.3	4.7	0.0	77.3	0.0	0.0	0.0	78.0	76.8
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	319	9.8	6.2	5.2	68.0	6.9	3.9	68.0	0.0	0.5	3.3	63.1	72.5
Lithuania	310	14.1	5.1	2.7	59.0	10.4	8.7	59.0	0.0	1.7	7.0	56.3	62.2
Netherlands	257	3.2	9.9	4.6	74.9	6.7	0.7	74.9	0.0	0.3	0.4	75.7	75.4
New Zealand	402	5.4	11.4	9.5	67.9	4.5	1.4	67.9	0.3	0.3	0.7	70.3	65.5
Norway	307	4.9	5.7	2.5	79.5	4.2	3.1	79.5	0.0	0.9	2.3	77.4	81.1
Philippines	730	38.8	12.6	6.8	35.8	5.8	0.3	35.8	0.0	0.0	0.3	35.4	36.2
Portugal	418	12.7	12.1	8.5	54.8	10.1	1.7	54.8	0.0	0.0	1.7	53.3	56.5
Romania	465	15.9	6.7	3.5	63.2	6.7	4.0	63.2	0.4	0.0	3.6	61.6	64.6
Russian Federation	523	13.0	5.8	2.4	70.6	6.2	2.0	70.6	0.1	0.2	1.7	64.2	77.3
Scotland	362	12.1	12.3	7.9	58.6	7.6	1.5	58.6	0.2	0.0	1.3	56.3	60.4
Singapore	451	4.0	5.5	1.8	85.3	2.3	1.1	85.3	0.0	0.0	1.1	86.7	83.9
Slovak Republic	436	8.2	2.4	2.9	80.4	5.0	1.2	80.4	0.0	0.0	1.2	81.6	79.5
Slovenia	359	4.6	1.1	1.6	80.4	10.0	2.4	80.4	0.0	0.0	2.4	78.4	82.2
South Africa	645	23.9	11.4	10.6	37.5	8.3	8.4	37.5	0.2	2.4	5.7	31.2	44.9
Spain	467	13.6	10.7	4.8	59.6	8.3	3.0	59.6	0.0	0.0	3.0	55.3	63.7
Sweden	363	7.1	10.0	7.3	68.2	6.5	0.8	68.2	0.0	0.0	0.8	66.2	69.9
Switzerland	498	11.9	16.9	8.1	54.0	6.7	2.4	54.0	0.5	0.0	1.9	55.1	52.8
Thailand	734	3.2	5.1	3.5	76.3	11.3	0.7	76.3	0.0	0.2	0.5	78.3	74.7
United States	487	13.2	18.2	7.4	56.1	4.1	1.0	56.1	0.0	0.0	1.0	51.9	60.0
INTERNATIONAL AVG	.	10.0	8.7	5.3	66.8	6.6	2.7	66.8	0.1	0.3	2.2	65.6	68.1

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: M08
 Multiply two decimal fractions. (Fractions and number sense)
 Difficulty: 575

COUNTRY	N	10	70	71	72	73	74	75	79	90	99	V1	NOT	OMIT	1.GIRL	2.BOY
													REACH		% Right	% Right
													ED			
Australia	715	21.2	4.1	7.1	0.8	5.6	2.4	13.9	32.3	2.9	9.8	21.2	0.3	9.4	21.7	20.6
Austria	371	72.8	5.2	0.6	0.4	1.8	4.0	6.8	5.7	0.7	2.0	72.8	0.0	2.0	73.6	70.2
Belgium (Fl)	344	57.8	9.0	4.8	0.6	5.1	3.2	7.3	9.3	0.6	2.5	57.8	0.0	2.5	67.3	49.6
Belgium (Fr)	289	41.8	0.0	0.0	0.0	0.0	0.0	0.0	44.2	0.0	14.0	41.8	1.0	13.1	37.5	46.6
Bulgaria	170	69.9	1.2	3.5	1.1	0.0	1.4	1.1	8.7	0.6	12.5	69.9	2.1	10.4	72.1	67.3
Canada	1016	48.0	5.6	5.0	0.8	4.7	4.4	6.9	18.8	2.5	3.3	48.0	0.0	3.3	51.9	44.2
Colombia	332	22.1	2.7	14.4	3.8	5.4	2.0	10.3	26.6	2.0	10.6	22.1	0.8	9.8	21.1	23.5
Cyprus	380	34.5	4.6	5.6	2.0	2.0	4.7	0.3	24.7	4.0	17.6	34.5	0.0	17.6	39.6	29.1
Czech Republic	415	74.8	4.2	1.2	0.0	1.9	1.6	5.7	7.5	0.3	2.7	74.8	0.0	2.7	75.8	73.7
Denmark	273	17.2	2.4	18.6	1.5	6.8	2.7	10.1	23.2	0.8	16.7	17.2	0.8	15.9	21.0	13.5
England	227	9.2	2.9	2.6	0.8	1.8	1.6	26.1	37.5	5.7	11.7	9.2	0.0	11.7	9.4	9.1
France	378	58.9	5.6	5.4	1.3	1.7	3.8	3.7	12.2	0.4	7.0	58.9	0.0	7.0	59.7	58.4
Germany	362	49.5	7.4	4.3	1.9	3.7	3.3	8.0	9.2	2.5	10.3	49.5	1.4	8.9	52.4	48.1
Greece	493	43.9	5.1	2.1	1.4	2.2	4.4	12.7	15.0	1.4	11.9	43.9	0.6	11.3	46.3	41.7
Hong Kong	421	47.9	3.7	2.6	0.2	1.3	6.9	17.5	13.0	1.0	6.0	47.9	0.0	6.0	50.7	46.1
Hungary	388	65.6	5.8	3.1	1.8	3.3	1.9	4.1	10.2	0.6	3.8	65.6	0.0	3.8	72.3	58.6
Iceland	248	24.2	3.4	8.1	1.9	8.7	1.7	9.1	32.5	2.3	8.2	24.2	0.0	8.2	28.4	20.5
Iran, Islamic Rep.	468	36.7	2.6	2.7	1.1	4.2	2.4	0.0	41.1	0.3	8.8	36.7	0.0	8.8	34.5	38.7
Ireland	378	42.3	5.2	9.4	2.5	3.1	5.4	7.7	22.8	0.4	1.4	42.3	0.0	1.4	40.7	44.5
Israel	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Japan	644	63.2	4.5	2.5	1.1	2.3	2.7	9.7	12.0	0.2	1.9	63.2	0.2	1.7	67.3	59.2
Korea	359	57.0	4.6	8.3	2.1	5.2	0.9	3.3	18.0	0.0	0.6	57.0	0.0	0.6	59.4	55.2
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	319	50.1	2.5	1.4	1.0	2.0	5.7	9.7	16.7	1.4	9.5	50.1	0.5	8.9	47.8	51.9
Lithuania	310	61.2	2.3	1.3	0.3	2.5	2.4	8.4	6.4	0.6	14.6	61.2	1.7	12.9	68.8	52.7
Netherlands	257	18.7	4.9	3.9	1.2	5.9	4.3	17.1	30.7	5.7	7.6	18.7	0.3	7.3	19.4	17.5
New Zealand	402	16.0	5.3	7.3	1.1	3.4	2.6	20.3	35.4	0.3	8.3	16.0	0.3	7.9	17.2	14.8
Norway	307	40.8	7.8	7.4	2.4	2.3	8.2	9.2	12.2	3.5	6.3	40.8	0.9	5.4	48.8	34.7
Philippines	730	50.4	3.0	7.4	5.2	2.6	4.0	6.8	16.6	0.4	3.6	50.4	0.0	3.6	49.6	51.3
Portugal	418	32.4	7.2	7.9	1.3	4.2	2.8	12.5	23.4	0.8	7.5	32.4	0.0	7.5	39.5	23.6
Romania	467	38.7	4.4	7.6	1.8	1.3	1.7	1.5	28.7	0.0	14.3	38.7	0.0	14.3	40.8	35.7
Russian Federation	523	76.2	2.2	3.3	0.2	1.9	2.1	2.2	7.6	0.2	4.0	76.2	0.2	3.8	75.3	77.2
Scotland	362	5.5	2.6	7.1	1.5	1.4	1.1	12.8	44.6	4.4	18.9	5.5	0.0	18.9	3.5	6.8
Singapore	451	60.9	6.4	3.1	0.7	5.4	4.9	7.8	9.6	0.7	0.7	60.9	0.0	0.7	64.8	57.1
Slovak Republic	436	63.6	3.0	1.9	1.0	2.8	4.9	5.2	10.9	0.6	6.1	63.6	0.0	6.1	69.9	58.5
Slovenia	359	65.8	4.0	2.2	2.2	2.7	3.4	5.6	10.3	0.7	3.1	65.8	0.0	3.1	74.0	58.1
South Africa	645	18.8	0.4	3.4	2.7	0.9	1.8	20.9	33.4	0.5	17.3	18.8	2.4	14.8	19.1	18.6
Spain	467	59.3	3.6	4.9	5.0	3.2	4.7	6.9	8.4	0.3	3.8	59.3	0.0	3.8	63.0	55.9
Sweden	363	17.6	7.2	10.0	2.3	3.4	2.6	11.8	29.9	5.4	9.7	17.6	0.0	9.7	20.6	14.9
Switzerland	498	32.5	4.2	14.6	3.2	16.8	2.9	4.4	14.7	2.0	4.6	32.5	0.0	4.6	30.2	34.9
Thailand	734	47.0	5.5	5.1	1.2	3.4	4.2	13.1	17.3	0.2	3.0	47.0	0.2	2.8	44.3	50.9
United States	487	43.8	4.9	4.9	1.4	2.7	8.4	9.1	20.6	0.2	4.0	43.8	0.0	4.0	46.0	41.9
INTERNATIONAL AVG	.	43.9	4.3	5.4	1.6	3.5	3.3	8.7	20.0	1.4	7.7	43.9	0.3	7.4	46.1	41.9

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: N11 KEY: B
 Identify number rounded to 18200. (Fractions and number sense)
 Difficulty: 392

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	690	3.0	90.0	4.5	2.3	0.2	90.0	0.0	0.0	0.2	92.8	87.4
Austria	380	3.2	87.7	4.3	3.1	1.7	87.7	0.0	0.4	1.3	87.9	86.2
Belgium (Fl)	336	1.3	95.9	2.5	0.0	0.3	95.9	0.0	0.0	0.3	94.8	97.0
Belgium (Fr)	288	6.5	81.5	5.9	2.2	3.9	81.5	1.4	0.3	2.1	81.5	80.8
Bulgaria	175	3.8	82.5	8.8	0.4	4.5	82.5	0.6	1.1	2.7	85.3	78.8
Canada	1015	2.4	90.1	4.9	1.4	1.3	90.1	0.0	0.0	1.3	89.1	91.0
Colombia	340	11.3	45.1	19.4	18.4	5.8	45.1	0.0	0.9	4.9	45.6	44.9
Cyprus	388	7.6	61.8	22.2	6.4	2.0	61.8	0.0	0.0	2.0	59.0	64.5
Czech Republic	411	2.6	92.6	2.9	1.3	0.6	92.6	0.1	0.0	0.5	92.3	92.9
Denmark	279	1.8	82.9	8.8	3.7	2.8	82.9	0.4	0.9	1.5	79.5	86.7
England	230	4.3	84.5	7.9	2.9	0.4	84.5	0.0	0.0	0.4	79.2	89.1
France	384	5.4	78.3	10.5	2.4	3.4	78.3	0.4	0.9	2.1	76.1	80.0
Germany	365	4.8	85.7	4.4	2.2	2.9	85.7	0.0	1.5	1.4	85.9	86.2
Greece	505	4.6	72.8	14.0	7.3	1.3	72.8	0.2	0.0	1.2	73.9	72.0
Hong Kong	433	3.5	82.4	9.9	3.2	1.0	82.4	0.0	0.2	0.7	84.8	80.5
Hungary	376	1.1	88.8	5.3	3.3	1.5	88.8	0.0	0.6	0.9	86.8	90.5
Iceland	241	2.9	86.1	6.0	3.9	1.2	86.1	0.0	0.0	1.2	84.4	87.5
Iran, Islamic Rep.	476	18.9	39.6	28.7	9.5	3.3	39.6	0.0	0.4	2.9	39.8	39.5
Ireland	398	2.0	91.6	4.3	1.5	0.6	91.6	0.2	0.3	0.2	92.5	90.7
Israel	.	.	.	.	.	.	.	.	.	.	.	.
Japan	645	2.2	90.2	5.7	1.5	0.3	90.2	0.0	0.0	0.3	91.5	89.0
Korea	362	2.7	86.1	8.2	3.0	0.0	86.1	0.0	0.0	0.0	85.1	86.8
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	312	3.5	74.9	13.2	3.7	4.7	74.9	0.0	0.7	4.0	75.1	74.7
Lithuania	309	13.1	60.3	11.1	6.4	9.1	60.3	0.0	1.2	8.0	63.5	57.3
Netherlands	248	0.3	91.6	6.9	1.0	0.2	91.6	0.0	0.2	0.0	90.5	92.7
New Zealand	387	3.3	81.7	10.0	3.5	1.5	81.7	0.5	0.2	0.8	82.8	80.6
Norway	304	1.6	87.5	6.7	1.3	2.9	87.5	0.0	0.0	2.9	88.9	86.0
Philippines	740	9.7	54.6	24.9	10.1	0.7	54.6	0.0	0.0	0.7	54.7	54.6
Portugal	424	6.2	74.6	11.1	5.6	2.4	74.6	0.0	0.0	2.4	75.2	74.0
Romania	470	7.6	60.2	17.5	6.7	7.9	60.2	1.0	0.4	6.5	59.7	60.6
Russian Federation	509	6.5	70.0	11.4	6.9	5.3	70.0	0.4	0.0	4.9	72.3	67.4
Scotland	352	4.5	81.7	9.8	2.2	1.7	81.7	0.3	0.6	0.9	85.9	77.9
Singapore	445	1.6	95.5	1.5	1.2	0.3	95.5	0.0	0.0	0.3	95.6	95.5
Slovak Republic	442	2.3	89.8	5.0	1.3	1.5	89.8	0.2	0.0	1.3	88.8	91.1
Slovenia	365	4.2	85.1	6.8	1.9	2.0	85.1	0.9	0.0	1.1	84.5	85.7
South Africa	647	10.4	40.0	27.6	17.7	4.2	40.0	0.4	1.0	2.8	37.6	42.8
Spain	457	7.4	66.4	18.5	5.8	1.9	66.4	0.0	0.2	1.7	67.9	65.1
Sweden	359	3.6	88.2	6.1	1.4	0.8	88.2	0.0	0.0	0.8	88.1	88.1
Switzerland	515	2.7	86.3	5.0	3.3	2.6	86.3	0.0	0.8	1.8	83.9	88.6
Thailand	725	2.1	86.9	8.0	2.5	0.6	86.9	0.0	0.0	0.6	85.8	88.5
United States	473	3.9	81.7	11.2	2.4	0.8	81.7	0.0	0.0	0.8	86.7	76.9
INTERNATIONAL AVG	.	4.8	78.8	10.0	4.1	2.2	78.8	0.2	0.3	1.8	78.9	78.8

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: N12 KEY: B
 Identify point on number line from distance of other points. (Geometry)
 Difficulty: 489

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	690	10.8	65.1	11.7	10.8	1.6	65.1	0.0	0.0	1.6	61.4	68.6
Austria	380	11.8	61.5	11.1	11.0	4.5	61.5	0.0	0.4	4.1	58.8	65.0
Belgium (Fl)	336	8.7	77.5	5.9	7.5	0.3	77.5	0.0	0.0	0.3	77.1	77.9
Belgium (Fr)	288	5.6	68.1	11.1	11.3	4.0	68.1	0.0	0.7	3.3	61.8	73.6
Bulgaria	175	3.9	68.5	12.6	8.4	6.6	68.5	0.0	1.1	5.4	69.6	66.9
Canada	1015	10.6	61.0	11.5	15.7	1.3	61.0	0.0	0.0	1.3	58.4	63.8
Colombia	340	9.2	47.9	18.7	15.8	8.4	47.9	0.3	1.1	7.0	44.0	53.1
Cyprus	388	7.1	61.5	15.8	14.1	1.4	61.5	0.5	0.0	0.9	60.9	62.2
Czech Republic	411	5.6	65.3	10.3	16.0	2.7	65.3	0.2	0.0	2.6	65.0	65.7
Denmark	279	11.3	53.7	10.8	11.6	12.5	53.7	0.0	0.9	11.6	45.8	62.4
England	230	5.8	65.8	8.4	17.6	2.4	65.8	0.0	0.0	2.4	60.7	70.3
France	384	4.5	65.5	16.6	9.6	3.8	65.5	0.2	0.9	2.7	62.3	69.2
Germany	365	12.1	56.9	7.6	9.5	13.9	56.9	0.3	2.1	11.5	55.7	57.9
Greece	505	11.2	53.0	16.4	17.7	1.7	53.0	0.0	0.0	1.7	53.3	52.4
Hong Kong	434	9.3	68.3	12.0	9.6	0.9	68.3	0.0	0.2	0.7	68.1	68.7
Hungary	376	6.2	58.2	13.2	15.2	7.2	58.2	0.0	0.9	6.3	57.9	58.6
Iceland	241	3.4	64.6	17.3	10.4	4.4	64.6	0.7	0.0	3.7	68.5	61.2
Iran, Islamic Rep.	476	9.9	50.8	18.5	19.5	1.3	50.8	0.0	0.4	0.9	45.6	54.6
Ireland	398	7.8	60.9	15.6	14.8	1.0	60.9	0.7	0.3	0.0	54.7	67.4
Israel	.	.	.	.	.	.	.	.	.	.	.	.
Japan	645	6.3	77.6	6.1	9.6	0.4	77.6	0.1	0.0	0.3	72.6	82.3
Korea	362	6.8	80.2	4.0	9.0	0.0	80.2	0.0	0.0	0.0	77.1	82.7
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	313	4.8	55.2	15.0	14.8	10.2	55.2	0.0	0.7	9.5	53.9	56.5
Lithuania	309	8.2	45.3	15.6	15.7	15.1	45.3	0.0	1.7	13.5	43.2	47.2
Netherlands	248	9.1	66.7	10.3	12.4	1.6	66.7	0.0	0.2	1.4	59.6	74.0
New Zealand	387	12.2	54.7	11.6	20.2	1.2	54.7	0.0	0.2	1.0	51.9	57.6
Norway	304	9.1	65.6	7.5	12.1	5.7	65.6	0.0	0.0	5.7	63.2	68.0
Philippines	740	12.3	45.7	23.4	18.5	0.1	45.7	0.0	0.0	0.1	48.7	42.5
Portugal	424	7.0	63.4	13.7	13.4	2.5	63.4	0.0	0.2	2.3	69.5	56.7
Romania	469	10.2	52.7	11.7	16.7	8.7	52.7	1.4	0.6	6.7	51.8	53.4
Russian Federation	509	4.0	77.8	8.9	6.3	3.0	77.8	0.0	0.4	2.7	76.3	79.4
Scotland	352	7.7	60.4	14.1	15.3	2.5	60.4	0.0	0.6	1.9	60.5	60.3
Singapore	445	5.0	71.0	9.7	13.1	1.2	71.0	0.0	0.0	1.2	74.5	67.5
Slovak Republic	445	4.5	64.8	10.0	17.5	3.1	64.8	0.2	0.0	2.9	62.2	67.7
Slovenia	365	15.0	55.3	7.9	16.3	5.5	55.3	1.2	0.0	4.3	53.0	57.7
South Africa	647	7.5	35.0	20.3	32.8	4.3	35.0	0.2	1.0	3.2	37.5	32.2
Spain	457	9.2	62.1	16.4	10.2	2.0	62.1	0.0	0.2	1.9	67.7	57.2
Sweden	359	13.0	61.0	10.1	14.6	1.4	61.0	0.0	0.0	1.4	53.3	68.7
Switzerland	515	15.3	52.5	12.8	12.3	7.0	52.5	0.8	1.3	4.9	51.6	53.0
Thailand	725	14.3	65.9	8.9	10.6	0.3	65.9	0.0	0.0	0.3	65.4	65.8
United States	473	6.6	64.8	15.1	12.0	1.5	64.8	0.0	0.0	1.5	57.7	71.5
INTERNATIONAL AVG	.	8.6	61.3	12.5	13.7	3.9	61.3	0.2	0.4	3.4	59.5	63.0

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: N13
 Calculate $(7X+4)/(5X-4)$ for a given value of X. (Algebra)
 Difficulty: 576

COUNTRY	N	10	11	70	71	72	79	90	99	V1	NOT	1.GIRL	2.BOY	
											REACH			OMIT	% Right	% Right
Australia	690	35.5	8.5	7.7	8.1	6.1	17.2	4.4	12.5	44.0	0.1	12.4	45.8	42.3
Austria	380	42.9	5.9	13.4	3.1	6.1	11.0	3.5	14.2	48.8	0.4	13.8	54.6	41.6
Belgium (Fl)	336	46.4	11.3	6.7	11.1	1.3	18.3	1.1	3.8	57.7	0.0	3.8	61.4	54.0
Belgium (Fr)	288	42.1	0.0	0.0	0.0	0.0	40.6	0.0	17.3	42.1	0.7	16.6	42.6	40.9
Bulgaria	175	65.6	4.0	1.8	0.0	0.0	12.7	1.3	14.6	69.6	2.0	12.6	73.5	64.4
Canada	1015	25.3	5.9	3.5	13.4	2.2	33.2	3.8	12.6	31.2	0.0	12.6	35.1	27.6
Colombia	340	8.0	1.1	0.3	12.5	6.0	27.2	2.1	43.0	9.0	2.0	40.9	4.5	14.9
Cyprus	388	36.4	7.6	3.3	2.7	2.3	22.6	2.1	23.0	44.0	0.0	23.0	49.3	38.9
Czech Republic	411	41.0	7.6	6.4	0.0	4.4	11.2	4.6	24.8	48.7	0.1	24.6	54.6	43.1
Denmark	279	20.6	11.5	5.1	8.4	1.1	9.3	0.3	43.7	32.0	1.4	42.3	27.9	37.3
England	230	20.9	5.5	6.7	6.7	6.1	35.9	7.6	10.6	26.4	0.0	10.6	27.1	25.8
France	384	23.3	12.5	5.7	8.4	4.0	23.1	0.9	22.1	35.8	0.9	21.3	38.9	33.3
Germany	365	25.3	4.3	2.8	7.2	3.5	12.4	2.1	42.4	29.6	2.8	39.6	30.1	29.4
Greece	505	11.5	11.7	3.4	7.5	5.0	14.8	2.7	43.5	23.2	0.0	43.5	31.3	14.9
Hong Kong	433	61.1	1.8	10.4	1.4	2.7	11.0	0.2	11.5	62.8	0.2	11.3	62.6	63.3
Hungary	376	42.4	16.4	10.3	2.5	4.3	9.6	0.4	14.1	58.8	0.9	13.3	63.3	54.7
Iceland	241	8.8	0.4	1.5	18.9	3.9	21.9	11.9	32.6	9.3	0.0	32.6	8.6	9.9
Iran, Islamic Rep.	476	13.9	1.1	2.6	0.0	2.0	29.3	0.0	50.9	15.1	0.6	50.4	16.3	14.2
Ireland	398	43.9	4.2	6.1	5.8	8.7	20.1	2.3	8.8	48.2	0.3	8.6	49.0	47.3
Israel	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Japan	645	55.6	1.2	10.4	0.5	7.6	15.9	0.3	8.6	56.7	0.0	8.6	55.6	57.7
Korea	362	61.1	2.3	6.7	1.3	4.0	17.1	0.0	7.5	63.4	0.0	7.5	58.3	67.4
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	313	42.3	4.0	3.1	1.4	5.2	21.1	0.7	22.1	46.3	0.7	21.4	48.1	44.4
Lithuania	309	41.8	3.9	2.1	0.3	3.5	12.3	1.2	35.0	45.7	2.0	32.9	51.3	40.7
Netherlands	248	5.6	0.5	0.9	11.0	3.0	34.2	26.7	18.1	6.1	0.2	17.9	8.0	4.1
New Zealand	387	5.9	4.6	5.1	25.5	3.9	35.3	0.7	19.0	10.5	0.2	18.7	9.7	11.3
Norway	304	10.3	3.6	6.1	8.2	2.7	12.4	18.8	38.0	14.0	0.0	38.0	13.5	14.4
Philippines	740	8.5	1.9	4.3	1.8	9.6	37.2	12.0	24.7	10.4	0.0	24.7	12.2	8.5
Portugal	424	13.8	9.5	4.7	10.8	5.3	25.0	3.2	27.6	23.3	0.2	27.5	25.5	21.0
Romania	469	47.0	3.1	4.5	1.9	2.0	18.1	1.3	22.1	50.1	0.6	21.5	48.5	51.3
Russian Federation	509	66.7	2.2	3.8	1.7	2.0	12.4	0.1	11.1	68.9	0.4	10.7	75.2	62.2
Scotland	352	8.5	4.1	3.3	7.4	7.1	40.8	5.1	23.7	12.6	0.6	23.1	13.3	11.9
Singapore	445	70.5	1.9	17.0	0.0	3.1	6.3	0.0	1.2	72.5	0.0	1.2	70.2	74.7
Slovak Republic	445	48.8	7.8	2.6	4.4	2.5	14.0	1.9	18.1	56.5	0.0	18.1	61.3	51.2
Slovenia	365	44.6	7.6	9.3	4.3	2.9	18.3	2.1	10.8	52.2	0.0	10.8	56.0	48.2
South Africa	647	6.9	1.7	0.7	1.9	19.5	44.1	0.3	25.0	8.6	1.4	23.6	11.2	5.3
Spain	457	32.3	3.2	5.1	5.1	11.0	19.5	0.5	23.4	35.5	0.2	23.3	41.0	30.7
Sweden	359	6.6	0.3	0.0	9.3	2.3	29.4	25.7	26.4	6.8	0.0	26.4	4.2	9.3
Switzerland	515	12.3	4.4	2.9	17.5	6.4	17.4	11.9	27.2	16.6	1.5	25.7	12.8	20.1
Thailand	725	41.8	10.5	2.7	2.0	1.0	28.2	0.8	13.1	52.2	0.0	13.1	53.4	50.6
United States	473	33.8	6.7	10.0	6.2	6.4	20.4	3.2	13.3	40.5	0.0	13.3	47.2	34.1
INTERNATIONAL AVG	.	32.0	5.2	5.1	6.0	4.5	21.5	4.2	21.6	37.1	0.5	21.0	38.8	35.4

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: N14 KEY: C
 Identify list of equivalent fractions. (Fractions and number sense)
 Difficulty: 483

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	690	15.6	9.1	65.3	8.3	1.7	65.3	0.0	0.1	1.7	64.8	65.7
Austria	380	14.4	8.0	62.1	9.8	5.8	62.1	0.0	0.4	5.4	63.3	59.4
Belgium (Fl)	336	3.7	1.5	92.1	2.5	0.3	92.1	0.0	0.0	0.3	91.8	92.3
Belgium (Fr)	288	7.2	2.5	77.3	6.1	6.8	77.3	1.4	1.4	4.0	78.3	76.8
Bulgaria	175	5.7	6.4	72.5	5.6	9.8	72.5	1.0	2.0	6.7	74.0	70.5
Canada	1015	11.5	4.2	77.8	4.6	1.8	77.8	0.2	0.0	1.7	78.5	77.7
Colombia	340	18.9	13.1	41.2	10.8	16.0	41.2	0.6	3.7	11.8	37.3	46.3
Cyprus	388	8.2	9.1	69.8	7.7	5.1	69.8	0.9	0.0	4.2	71.4	68.3
Czech Republic	411	8.8	4.4	71.1	10.7	5.0	71.1	1.7	0.2	3.0	73.9	68.6
Denmark	279	9.9	8.2	50.2	15.8	15.9	50.2	1.3	2.0	12.6	50.5	50.5
England	230	14.9	18.9	49.5	11.8	4.9	49.5	0.0	0.0	4.9	49.7	49.2
France	384	7.8	6.5	67.9	8.9	8.8	67.9	1.1	1.5	6.2	65.7	71.5
Germany	365	7.5	2.6	67.0	9.7	13.1	67.0	1.2	2.8	9.1	69.0	64.0
Greece	505	12.1	9.5	62.1	9.0	7.3	62.1	1.7	0.0	5.6	60.5	64.1
Hong Kong	434	9.5	8.3	73.9	6.9	1.4	73.9	0.0	0.5	0.9	70.8	76.4
Hungary	376	12.8	3.8	62.9	7.9	12.6	62.9	0.0	0.9	11.7	66.7	59.4
Iceland	241	19.2	13.0	40.2	22.6	5.0	40.2	0.0	0.0	5.0	38.3	41.8
Iran, Islamic Rep.	476	14.7	10.9	60.2	10.4	3.8	60.2	0.9	0.6	2.4	53.6	64.9
Ireland	398	10.3	6.3	73.7	8.1	1.7	73.7	0.5	0.3	1.0	76.8	70.5
Israel	.	.	.	.	.	.	.	.	.	.	.	.
Japan	645	6.6	4.8	79.1	8.0	1.5	79.1	0.5	0.0	1.0	76.9	81.2
Korea	362	4.2	3.6	86.1	5.9	0.3	86.1	0.0	0.0	0.3	85.5	86.5
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	313	12.4	8.7	57.0	12.2	9.7	57.0	0.0	0.7	9.0	56.8	57.3
Lithuania	308	12.3	8.1	39.0	16.7	23.9	39.0	0.6	2.1	21.2	42.4	35.9
Netherlands	248	5.1	9.7	73.7	7.5	4.1	73.7	0.0	0.2	3.9	72.8	74.6
New Zealand	387	14.8	11.6	52.9	18.1	2.6	52.9	0.3	0.2	2.1	56.2	49.5
Norway	304	9.2	9.1	50.9	15.7	15.1	50.9	0.0	0.0	15.1	48.8	53.0
Philippines	740	24.1	12.8	52.6	10.3	0.3	52.6	0.1	0.0	0.1	53.9	51.0
Portugal	424	14.7	13.7	47.7	15.0	8.9	47.7	0.0	0.2	8.7	43.6	52.2
Romania	468	17.6	7.5	47.5	12.1	15.4	47.5	4.3	0.6	10.4	47.0	48.2
Russian Federation	509	13.0	3.1	64.9	12.2	6.8	64.9	0.6	0.6	5.6	64.6	65.3
Scotland	352	13.8	13.8	47.5	18.4	6.5	47.5	0.5	0.6	5.4	47.1	47.7
Singapore	445	7.0	4.2	83.0	4.0	1.8	83.0	0.0	0.0	1.8	84.5	81.4
Slovak Republic	445	12.8	3.6	64.8	9.6	9.2	64.8	1.5	0.6	7.1	65.8	63.7
Slovenia	365	12.1	6.6	61.1	9.3	11.0	61.1	1.7	0.0	9.3	58.8	63.4
South Africa	647	14.1	15.5	40.5	23.2	6.7	40.5	0.6	1.5	4.6	40.7	39.6
Spain	457	15.7	12.5	49.8	13.1	8.8	49.8	0.0	0.2	8.7	50.9	48.9
Sweden	359	8.7	17.9	46.8	20.7	5.9	46.8	0.8	0.0	5.1	45.2	48.6
Switzerland	515	6.9	8.2	69.0	7.7	8.2	69.0	1.3	1.5	5.4	69.2	68.4
Thailand	725	14.3	4.6	66.4	12.8	2.0	66.4	0.0	0.3	1.7	64.0	69.6
United States	473	16.1	8.4	64.6	9.0	1.8	64.6	0.6	0.0	1.2	64.5	64.7
INTERNATIONAL AVG	.	11.7	8.4	62.0	11.0	6.9	62.0	0.7	0.6	5.6	61.9	62.2

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: N15 KEY: C
 Identify drawing with angle closest to 30 degrees. (Measurement)
 Difficulty: 492

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	690	1.3	9.7	62.5	25.6	0.9	62.5	0.0	0.1	0.9	61.5	63.5
Austria	380	1.7	4.6	79.8	13.5	0.4	79.8	0.0	0.4	0.0	78.6	81.3
Belgium (Fl)	336	2.7	7.0	64.2	25.6	0.5	64.2	0.0	0.0	0.5	66.8	61.7
Belgium (Fr)	288	1.2	9.3	72.5	15.1	2.0	72.5	0.0	1.4	0.6	75.7	68.0
Bulgaria	175	2.7	7.2	62.2	25.4	2.5	62.2	0.0	2.0	0.4	59.1	66.3
Canada	1015	2.0	10.2	61.9	25.2	0.7	61.9	0.1	0.0	0.7	60.5	62.7
Colombia	340	21.6	17.0	31.8	22.0	7.6	31.8	0.0	4.2	3.3	28.1	36.6
Cyprus	388	5.5	18.0	60.3	13.5	2.7	60.3	0.2	0.4	2.1	57.5	63.0
Czech Republic	411	0.4	8.6	76.0	12.7	2.1	76.0	1.0	0.2	0.9	79.0	73.3
Denmark	279	3.7	15.8	60.8	13.8	6.0	60.8	0.2	2.0	3.9	63.6	56.5
England	230	7.2	8.3	62.7	21.8	0.0	62.7	0.0	0.0	0.0	63.4	62.1
France	384	4.4	11.9	64.0	17.7	2.0	64.0	0.0	1.7	0.3	58.5	67.6
Germany	365	2.8	7.5	65.4	19.8	4.5	65.4	0.0	2.8	1.7	62.6	69.4
Greece	505	9.2	12.0	55.6	20.8	2.4	55.6	0.6	0.0	1.9	54.5	56.5
Hong Kong	429	1.3	6.0	69.0	19.1	4.6	69.0	0.0	0.7	3.9	71.3	67.0
Hungary	376	1.7	5.9	71.2	18.4	2.7	71.2	0.0	1.5	1.2	75.8	67.0
Iceland	241	2.3	7.6	76.3	12.6	1.2	76.3	0.0	0.0	1.2	75.5	77.0
Iran, Islamic Rep.	476	5.2	16.2	51.5	24.4	2.7	51.5	0.5	0.6	1.6	47.5	54.5
Ireland	398	3.0	11.3	53.7	30.8	1.2	53.7	0.0	0.3	0.9	47.9	59.7
Israel	.	.	.	.	.	.	.	.	.	.	.	.
Japan	645	0.8	5.4	76.9	16.6	0.3	76.9	0.0	0.0	0.3	78.9	75.1
Korea	362	0.3	4.6	77.1	18.0	0.0	77.1	0.0	0.0	0.0	79.5	75.1
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	313	3.6	8.9	63.9	21.0	2.7	63.9	0.0	0.7	1.9	67.7	60.0
Lithuania	309	6.6	9.9	60.3	19.3	4.0	60.3	0.0	2.3	1.7	59.7	60.8
Netherlands	248	1.2	19.2	51.9	27.1	0.6	51.9	0.0	0.2	0.4	54.0	49.6
New Zealand	387	5.2	12.5	54.6	26.7	1.0	54.6	0.0	0.2	0.8	54.8	54.5
Norway	304	3.1	9.0	70.1	15.6	2.3	70.1	0.0	0.0	2.3	72.8	67.3
Philippines	740	9.3	11.8	40.3	36.8	1.9	40.3	0.1	0.0	1.8	40.9	39.7
Portugal	424	4.4	14.8	48.3	30.6	1.9	48.3	0.0	0.2	1.8	41.6	55.6
Romania	469	5.4	9.8	57.8	22.3	4.7	57.8	0.9	0.9	2.9	54.8	61.1
Russian Federation	510	2.8	9.4	71.4	14.5	1.9	71.4	0.0	0.8	1.1	69.0	73.9
Scotland	352	6.0	14.1	53.4	22.9	3.6	53.4	0.2	0.6	2.8	48.3	58.1
Singapore	445	1.4	7.3	73.4	17.6	0.3	73.4	0.0	0.0	0.3	73.9	72.8
Slovak Republic	444	0.9	6.7	79.2	11.7	1.5	79.2	0.0	0.6	0.9	79.8	78.6
Slovenia	365	1.1	6.5	79.6	12.2	0.6	79.6	0.0	0.0	0.6	79.1	80.1
South Africa	647	16.5	15.7	33.1	25.1	9.6	33.1	0.3	1.8	7.5	32.1	35.0
Spain	457	4.8	12.4	56.3	25.6	0.8	56.3	0.0	0.3	0.5	55.6	57.0
Sweden	359	5.3	11.3	57.2	25.9	0.3	57.2	0.0	0.0	0.3	57.3	56.9
Switzerland	515	11.5	15.1	51.3	15.7	6.4	51.3	0.0	1.5	4.9	48.2	54.0
Thailand	725	2.4	11.8	70.3	14.5	1.0	70.3	0.0	0.3	0.7	68.1	73.0
United States	473	4.1	12.0	55.0	28.2	0.7	55.0	0.0	0.0	0.7	56.1	54.0
INTERNATIONAL AVG	.	4.4	10.6	62.1	20.6	2.3	62.1	0.1	0.7	1.5	61.5	62.6

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: N16 KEY: A
 Solve algebra word problem with fractions. (Fractions and number sense)
 Difficulty: 580

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	690	43.4	21.2	11.9	21.9	1.7	43.4	0.0	0.1	1.6	45.4	41.4
Austria	380	34.5	18.4	10.2	35.8	1.2	34.5	0.0	0.4	0.7	31.7	37.6
Belgium (Fl)	336	41.7	12.5	3.6	41.7	0.6	41.7	0.0	0.3	0.3	42.4	41.1
Belgium (Fr)	288	35.1	12.6	5.0	43.3	4.0	35.1	0.0	1.4	2.6	31.3	38.3
Bulgaria	175	45.3	19.8	6.9	19.9	8.1	45.3	0.0	2.0	6.0	42.6	48.9
Canada	1015	40.7	18.3	11.4	28.8	0.8	40.7	0.0	0.0	0.7	38.7	43.3
Colombia	340	31.0	19.5	14.5	27.6	7.4	31.0	0.0	4.2	3.2	32.0	29.8
Cyprus	388	38.4	24.7	13.7	21.7	1.6	38.4	0.0	0.6	0.9	34.9	41.7
Czech Republic	411	39.7	24.7	7.1	26.3	2.3	39.7	0.4	0.6	1.2	41.6	37.9
Denmark	.	.	.	.	.	.	.	.	.	.	.	.
England	230	35.4	23.9	11.1	27.7	1.9	35.4	0.0	0.0	1.9	31.6	38.6
France	384	39.0	20.6	10.3	26.3	3.8	39.0	0.0	1.7	2.1	34.0	42.9
Germany	365	36.7	16.2	11.3	27.5	8.2	36.7	0.0	2.8	5.4	35.7	38.4
Greece	505	49.1	18.1	13.6	16.5	2.6	49.1	0.0	0.2	2.5	49.6	48.9
Hong Kong	429	51.5	9.9	2.9	34.4	1.2	51.5	0.0	0.7	0.5	54.1	49.1
Hungary	376	51.0	14.8	5.7	24.5	4.0	51.0	0.0	1.5	2.5	53.3	48.9
Iceland	241	47.4	20.8	8.3	20.4	3.1	47.4	0.0	0.0	3.1	45.3	49.2
Iran, Islamic Rep.	476	45.2	16.0	8.9	28.5	1.5	45.2	0.4	0.6	0.5	42.6	47.0
Ireland	398	46.0	15.8	7.9	29.4	1.0	46.0	0.2	0.3	0.5	47.0	44.9
Israel	.	.	.	.	.	.	.	.	.	.	.	.
Japan	645	51.7	6.9	5.1	35.9	0.4	51.7	0.0	0.0	0.4	50.3	53.1
Korea	362	50.4	6.6	3.8	38.3	0.8	50.4	0.0	0.0	0.8	52.5	48.7
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	313	37.8	21.1	9.6	26.7	4.8	37.8	0.0	1.7	3.2	36.9	38.8
Lithuania	309	35.9	18.1	8.2	27.8	9.9	35.9	0.0	2.3	7.6	36.6	35.3
Netherlands	248	53.7	11.8	6.4	27.9	0.2	53.7	0.0	0.2	0.0	48.7	58.9
New Zealand	387	39.9	25.8	10.1	22.8	1.3	39.9	0.0	0.2	1.1	39.6	40.2
Norway	304	43.2	25.4	10.8	18.5	2.0	43.2	0.0	0.0	2.0	45.2	41.2
Philippines	740	41.9	22.2	14.9	20.4	0.7	41.9	0.0	0.3	0.4	40.4	43.4
Portugal	424	48.3	21.5	12.2	16.2	1.8	48.3	0.0	0.2	1.6	47.7	49.0
Romania	469	37.9	16.0	10.0	29.2	6.8	37.9	0.6	1.1	5.1	38.3	37.8
Russian Federation	509	47.4	11.4	2.7	34.2	4.4	47.4	0.2	1.0	3.2	47.0	47.8
Scotland	352	45.1	23.5	12.9	17.0	1.5	45.1	0.2	0.6	0.6	40.9	48.9
Singapore	445	63.8	8.4	7.5	19.9	0.4	63.8	0.0	0.0	0.4	60.2	67.4
Slovak Republic	444	41.8	21.3	7.8	25.4	3.6	41.8	0.9	0.6	2.1	40.0	43.9
Slovenia	365	37.5	18.1	7.8	34.1	2.5	37.5	0.3	0.0	2.2	36.6	38.5
South Africa	647	35.9	26.2	15.0	19.9	3.0	35.9	0.0	2.1	1.0	36.3	35.5
Spain	457	33.3	20.3	14.9	28.4	3.2	33.3	0.0	0.3	2.9	32.5	34.1
Sweden	359	46.7	19.8	7.2	25.8	0.5	46.7	0.0	0.3	0.2	47.2	46.6
Switzerland	515	36.0	14.8	7.1	39.1	3.0	36.0	0.0	1.5	1.5	36.0	36.4
Thailand	725	61.1	14.7	7.1	15.9	1.1	61.1	0.0	0.3	0.8	58.7	65.3
United States	473	42.2	21.3	13.0	23.1	0.3	42.2	0.0	0.0	0.3	44.1	40.4
INTERNATIONAL AVG	.	43.1	18.0	9.2	26.9	2.7	43.1	0.1	0.8	1.9	42.3	44.1

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: N17 KEY: A
 Solve multi-step word problem: decimal fractions. (Fractions and number sense)
 Difficulty: 610

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	690	34.0	17.8	34.7	10.7	2.7	34.0	0.0	0.3	2.4	35.0	33.2
Austria	380	31.3	15.7	44.5	6.0	2.5	31.3	0.0	0.8	1.8	32.7	29.7
Belgium (Fl)	336	37.5	12.5	41.8	5.3	2.9	37.5	0.0	0.3	2.6	43.4	31.5
Belgium (Fr)	288	35.6	15.2	35.5	7.6	6.0	35.6	0.3	1.4	4.3	36.0	35.9
Bulgaria	175	41.1	10.8	28.9	7.2	12.1	41.1	0.0	4.3	7.7	42.1	39.7
Canada	1015	32.1	17.2	40.8	8.4	1.5	32.1	0.2	0.0	1.3	32.8	31.0
Colombia	340	32.6	17.6	25.2	10.7	13.8	32.6	0.0	4.8	9.0	34.3	30.8
Cyprus	388	28.7	21.5	36.5	8.4	5.0	28.7	0.0	1.0	4.0	26.4	31.0
Czech Republic	411	43.2	9.5	37.7	6.6	3.0	43.2	1.0	0.6	1.3	44.5	42.1
Denmark	279	29.9	15.1	31.8	9.1	14.0	29.9	0.0	3.8	10.3	31.6	27.3
England	230	30.4	21.7	36.2	8.7	3.0	30.4	0.0	0.0	3.0	34.0	27.3
France	384	26.8	11.9	47.3	7.1	6.9	26.8	0.0	1.9	5.0	24.6	26.8
Germany	365	37.0	14.7	33.6	4.7	10.0	37.0	0.0	3.6	6.4	35.2	38.0
Greece	505	28.7	20.3	33.5	11.1	6.5	28.7	0.0	0.2	6.3	29.3	27.6
Hong Kong	429	43.6	12.9	34.5	7.5	1.5	43.6	0.0	0.7	0.7	43.3	43.7
Hungary	376	40.2	12.9	32.9	6.9	7.1	40.2	0.0	1.7	5.4	37.7	42.5
Iceland	241	38.5	23.1	27.4	7.6	3.3	38.5	0.0	0.6	2.7	36.6	40.2
Iran, Islamic Rep.	476	33.3	18.8	29.2	14.8	3.9	33.3	0.0	0.6	3.3	35.4	31.9
Ireland	398	44.0	15.1	30.3	6.9	3.8	44.0	0.7	0.3	2.8	43.2	44.8
Israel	.	.	.	.	.	.	.	.	.	.	.	.
Japan	.	.	.	.	.	.	.	.	.	.	.	.
Korea	362	40.5	11.1	41.4	5.9	1.1	40.5	0.0	0.0	1.1	34.2	45.5
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	313	36.0	20.1	27.0	6.8	10.1	36.0	0.0	2.2	7.9	40.1	31.8
Lithuania	309	36.0	11.4	25.7	8.6	18.3	36.0	0.0	4.9	13.4	36.4	35.6
Netherlands	248	31.6	24.0	36.3	6.2	1.8	31.6	0.0	0.2	1.6	28.4	35.0
New Zealand	387	36.2	21.4	29.8	10.9	1.8	36.2	0.0	0.2	1.5	39.7	32.6
Norway	304	36.7	24.7	28.6	6.6	3.5	36.7	0.0	0.0	3.5	36.5	36.9
Philippines	740	25.8	24.3	29.5	19.2	1.2	25.8	0.0	0.3	0.9	29.7	21.7
Portugal	424	31.9	22.8	28.9	12.1	4.3	31.9	0.0	0.2	4.1	37.7	25.5
Romania	469	32.5	18.1	27.7	9.2	12.5	32.5	0.9	2.3	9.2	30.4	34.8
Russian Federation	510	42.4	6.7	36.4	6.6	7.9	42.4	0.0	2.6	5.4	40.5	44.4
Scotland	352	31.8	23.6	31.5	10.0	3.1	31.8	0.0	0.6	2.5	39.1	25.0
Singapore	445	62.5	8.4	24.9	3.8	0.5	62.5	0.0	0.0	0.5	65.6	59.3
Slovak Republic	444	33.1	16.7	38.6	6.0	5.6	33.1	0.5	0.7	4.4	32.5	33.9
Slovenia	365	32.1	16.5	39.2	6.3	5.9	32.1	0.0	0.0	5.9	33.4	30.8
South Africa	647	23.7	21.6	27.6	21.4	5.7	23.7	0.2	2.5	3.0	23.2	24.5
Spain	457	30.0	19.6	33.5	9.0	7.8	30.0	0.0	0.3	7.5	31.1	29.0
Sweden	359	33.5	19.8	36.0	8.8	1.9	33.5	0.0	0.3	1.6	32.8	34.4
Switzerland	515	33.8	17.1	37.0	7.3	4.8	33.8	0.1	1.5	3.2	28.1	40.0
Thailand	725	37.7	15.3	35.7	9.5	1.8	37.7	0.0	0.3	1.6	36.4	39.4
United States	473	31.5	25.3	30.8	11.3	1.0	31.5	0.0	0.0	1.0	31.2	31.8
INTERNATIONAL AVG	.	35.1	17.2	33.5	8.7	5.4	35.1	0.1	1.2	4.1	35.5	34.5

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: N18 KEY: C
 Find probability of drawing an even number from 1 to 9. (Data Rep., Analysis & Prob.)
 Difficulty: 541

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	690	10.8	9.8	61.9	15.7	1.7	61.9	0.0	0.3	1.4	64.9	59.1
Austria	380	14.5	8.7	53.2	21.7	1.9	53.2	0.0	0.8	1.1	55.4	47.8
Belgium (Fl)	336	10.5	2.8	70.9	14.6	1.1	70.9	0.0	0.3	0.9	73.7	68.1
Belgium (Fr)	287	11.5	13.1	54.8	16.6	4.1	54.8	0.9	1.4	1.8	53.4	56.1
Bulgaria	175	17.2	6.3	49.2	17.8	9.5	49.2	1.5	5.4	2.6	50.4	47.6
Canada	1015	12.1	8.2	66.0	12.6	1.2	66.0	0.0	0.1	1.1	60.3	71.1
Colombia	340	17.8	18.0	19.9	31.0	13.3	19.9	0.3	5.9	7.1	14.1	27.1
Cyprus	388	28.5	18.7	33.1	15.7	4.0	33.1	0.0	1.0	3.0	26.4	39.7
Czech Republic	412	16.0	13.1	43.9	24.1	3.0	43.9	0.3	0.6	2.1	40.5	47.1
Denmark	279	11.7	8.5	52.6	16.9	10.3	52.6	0.0	3.8	6.5	46.1	61.3
England	230	13.0	9.5	61.6	14.9	0.9	61.6	0.0	0.5	0.5	61.8	61.5
France	384	14.7	10.5	54.6	14.3	5.9	54.6	0.3	2.6	3.0	50.5	58.5
Germany	367	14.9	9.1	49.6	18.9	7.5	49.6	0.0	3.6	3.9	51.2	48.4
Greece	505	26.8	18.2	30.5	18.7	5.8	30.5	0.2	0.2	5.4	29.5	31.1
Hong Kong	434	21.5	10.0	53.3	12.7	2.5	53.3	0.3	0.7	1.5	55.3	51.6
Hungary	376	19.2	13.5	36.1	24.0	7.1	36.1	0.0	1.9	5.2	40.0	32.5
Iceland	241	11.5	12.3	51.6	21.6	2.9	51.6	0.0	0.6	2.2	44.6	57.8
Iran, Islamic Rep.	476	21.1	23.7	30.5	23.0	1.7	30.5	0.0	0.6	1.1	29.7	31.2
Ireland	398	14.4	6.9	59.5	18.0	1.2	59.5	0.2	0.3	0.7	57.5	61.6
Israel	.	.	.	.	.	.	.	.	.	.	.	.
Japan	645	8.8	4.3	80.7	5.9	0.3	80.7	0.0	0.0	0.3	79.3	82.0
Korea	362	5.3	5.4	85.1	3.9	0.3	85.1	0.0	0.0	0.3	82.4	87.2
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	311	18.6	15.8	21.7	32.0	12.0	21.7	0.0	3.7	8.3	20.4	22.9
Lithuania	309	20.3	9.3	23.6	24.0	22.8	23.6	0.3	6.1	16.5	24.4	23.0
Netherlands	248	14.8	5.8	62.6	16.0	0.8	62.6	0.0	0.2	0.6	67.6	57.5
New Zealand	387	17.6	11.4	51.5	18.3	1.2	51.5	0.4	0.2	0.5	52.8	50.1
Norway	304	11.5	11.1	54.6	18.8	3.9	54.6	0.0	0.0	3.9	52.9	56.4
Philippines	740	44.7	15.9	21.9	16.5	0.9	21.9	0.0	0.3	0.7	23.2	20.6
Portugal	424	15.1	23.2	31.2	25.2	5.2	31.2	0.0	0.3	4.9	30.6	31.9
Romania	470	17.7	16.0	29.1	26.8	10.5	29.1	1.1	3.8	5.6	30.9	27.4
Russian Federation	510	16.9	9.8	36.5	29.6	7.2	36.5	0.0	3.4	3.7	34.5	38.6
Scotland	352	16.2	13.5	45.2	22.7	2.3	45.2	0.4	0.9	1.0	44.7	45.6
Singapore	445	17.4	12.7	55.9	13.4	0.5	55.9	0.0	0.0	0.5	56.7	55.1
Slovak Republic	445	20.7	11.0	37.3	25.1	5.9	37.3	0.2	1.3	4.4	32.5	42.7
Slovenia	365	22.8	11.7	39.6	20.1	5.9	39.6	0.8	0.3	4.8	39.4	39.7
South Africa	647	31.7	13.6	23.5	26.8	4.5	23.5	0.2	2.8	1.5	24.1	22.6
Spain	457	18.9	12.2	45.7	19.2	3.9	45.7	0.0	1.4	2.5	44.8	46.6
Sweden	359	10.8	6.3	62.4	19.6	0.9	62.4	0.0	0.3	0.6	62.5	62.7
Switzerland	515	11.2	7.2	56.7	20.5	4.4	56.7	0.5	2.3	1.7	52.0	61.7
Thailand	725	28.8	20.4	35.3	13.2	2.3	35.3	0.4	0.4	1.5	36.0	34.8
United States	473	15.0	9.0	66.3	9.2	0.4	66.3	0.0	0.0	0.4	67.9	64.9
INTERNATIONAL AVG	.	17.3	11.7	47.5	19.0	4.5	47.5	0.2	1.4	2.9	46.6	48.3

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: N19
 Shade a given fraction of the squares in a grid. (Fractions and number sense)
 Difficulty: 559

COUNTRY	N	10	70	71	72	73	79	90	99	V1	NOT	1.GIRL	2.BOY	
											REACH			OMIT	% Right	% Right
Australia	690	55.0	17.5	2.6	5.4	1.9	12.9	0.4	4.3	55.0	0.4	3.9	56.9	53.1
Austria	380	53.9	14.0	3.0	4.5	1.8	18.8	0.5	3.5	53.9	0.8	2.7	51.5	55.3
Belgium (Fl)	336	85.7	3.0	0.8	3.4	0.0	4.6	0.0	2.4	85.7	0.3	2.2	87.6	83.8
Belgium (Fr)	287	67.7	0.0	0.0	0.0	0.0	26.5	0.0	5.8	67.7	1.4	4.4	65.6	70.4
Bulgaria	175	48.0	6.8	1.1	5.3	0.9	14.0	0.7	23.3	48.0	5.4	17.8	45.0	51.9
Canada	1015	63.1	13.7	1.1	5.8	1.9	11.8	0.9	1.8	63.1	0.1	1.7	60.9	65.4
Colombia	340	9.9	27.1	12.7	0.9	1.2	22.0	1.6	24.5	9.9	7.9	16.6	5.8	15.3
Cyprus	388	49.2	9.2	1.8	2.4	0.4	23.5	0.4	13.3	49.2	1.4	11.9	48.1	50.2
Czech Republic	412	39.3	12.2	4.3	3.8	1.9	29.7	0.6	8.2	39.3	1.4	6.8	38.6	40.0
Denmark	279	53.0	11.3	2.3	3.0	0.0	12.9	2.2	15.3	53.0	4.6	10.7	52.5	52.9
England	230	37.2	26.4	6.7	7.1	0.5	20.2	0.5	1.4	37.2	0.5	0.9	37.1	37.2
France	384	50.0	17.8	1.6	5.4	0.5	17.0	0.3	7.5	50.0	2.6	4.8	42.2	57.1
Germany	367	45.3	13.1	2.0	4.6	1.8	15.4	1.6	16.2	45.3	3.9	12.3	46.8	43.8
Greece	505	28.1	37.4	4.7	3.6	3.4	11.0	1.7	10.0	28.1	0.5	9.6	28.0	28.4
Hong Kong	432	81.5	5.2	1.4	2.5	0.0	6.1	0.2	3.1	81.5	1.4	1.7	81.2	81.6
Hungary	376	52.9	4.9	5.9	4.2	0.6	21.3	0.9	9.3	52.9	2.4	6.9	56.4	49.6
Iceland	241	37.5	28.5	5.3	5.1	2.6	17.1	0.4	3.5	37.5	0.6	2.9	32.8	41.6
Iran, Islamic Rep.	476	23.9	37.0	3.9	3.1	0.3	19.2	1.7	10.9	23.9	0.6	10.3	18.6	27.7
Ireland	398	64.6	13.8	1.4	3.6	0.5	13.2	0.3	2.6	64.6	0.3	2.3	61.0	68.3
Israel	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Japan	645	73.6	5.1	0.6	4.8	0.0	13.2	0.1	2.6	73.6	0.0	2.6	75.6	71.7
Korea	362	77.1	7.6	1.1	5.3	0.2	7.0	0.0	1.6	77.1	0.0	1.6	74.0	79.5
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	313	32.0	11.6	6.2	1.8	0.5	26.0	1.8	19.9	32.0	5.6	14.3	33.9	30.2
Lithuania	309	24.5	5.6	2.9	3.1	0.0	32.3	1.6	30.1	24.5	10.7	19.4	24.1	24.8
Netherlands	248	66.8	13.6	4.5	3.9	0.0	8.9	0.8	1.5	66.8	0.2	1.3	58.9	75.0
New Zealand	387	35.2	24.0	6.3	8.2	2.9	17.8	0.5	5.2	35.2	0.2	5.0	37.4	32.9
Norway	304	34.5	27.4	4.0	6.6	1.8	19.7	2.7	3.4	34.5	1.0	2.4	33.5	35.5
Philippines	740	14.3	41.8	5.3	3.2	2.6	16.6	2.3	13.9	14.3	0.5	13.4	15.6	13.0
Portugal	424	11.7	24.0	6.1	3.8	1.3	42.4	1.7	8.9	11.7	0.5	8.4	10.5	13.0
Romania	470	35.0	7.8	1.7	5.6	0.0	27.7	0.2	22.0	35.0	4.8	17.1	32.2	37.9
Russian Federation	510	46.6	7.3	3.5	2.8	0.2	23.7	0.5	15.4	46.6	3.9	11.4	43.8	49.7
Scotland	352	34.6	30.1	6.7	4.8	0.8	17.1	1.2	4.7	34.6	0.9	3.8	31.4	37.6
Singapore	445	85.7	4.8	0.3	2.9	0.0	5.6	0.0	0.6	85.7	0.0	0.6	83.5	88.0
Slovak Republic	445	39.0	9.7	3.1	4.7	0.5	31.0	0.4	11.7	39.0	1.8	10.0	35.6	42.8
Slovenia	365	49.3	11.2	4.2	6.9	0.5	19.7	1.6	6.5	49.3	0.8	5.7	46.9	51.8
South Africa	647	7.4	36.4	1.7	1.8	0.3	22.8	1.2	28.5	7.4	3.7	24.8	8.2	6.6
Spain	457	24.5	47.2	5.0	1.9	1.3	14.8	0.0	5.4	24.5	1.4	4.0	25.6	23.5
Sweden	359	40.5	24.1	2.4	6.4	3.2	19.2	1.4	2.8	40.5	0.3	2.6	42.7	38.5
Switzerland	515	64.1	7.0	2.0	4.0	2.2	10.2	2.1	8.4	64.1	2.8	5.6	59.0	69.3
Thailand	725	59.5	15.1	2.6	3.1	0.0	11.3	0.2	8.2	59.5	0.4	7.8	58.1	61.6
United States	473	37.4	31.7	3.2	6.0	4.5	15.1	0.0	2.1	37.4	0.0	2.1	35.4	39.3
INTERNATIONAL AVG	.	46.0	17.3	3.4	4.1	1.1	18.0	0.9	9.3	46.0	1.9	7.4	44.6	47.4

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: O01 KEY: B
 Interpret distance/speed line graph to determine speed at given distance. (Data Rep., Analysis & Prob.)
 Difficulty: 535

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	694	8.4	61.8	22.7	7.1	0.0	61.8	0.0	0.0	0.0	57.6	66.8
Austria	365	8.2	59.4	21.0	9.4	2.0	59.4	0.0	0.0	2.0	56.8	63.3
Belgium (Fl)	332	3.8	76.3	14.1	5.8	0.0	76.3	0.0	0.0	0.0	69.9	82.6
Belgium (Fr)	280	7.2	59.8	17.4	11.8	3.8	59.8	0.0	0.3	3.5	56.6	62.2
Bulgaria	301	9.8	34.9	34.3	16.8	4.2	34.9	0.0	0.0	4.2	38.7	30.8
Canada	1042	8.1	55.0	28.3	8.1	0.5	55.0	0.0	0.0	0.5	49.3	60.4
Colombia	327	21.1	15.5	30.3	26.7	6.4	15.5	0.0	1.2	5.2	14.1	15.9
Cyprus	304	11.2	40.7	31.9	13.6	2.6	40.7	0.0	0.0	2.6	38.9	42.8
Czech Republic	412	6.3	57.1	21.1	14.3	1.1	57.1	0.2	0.0	0.9	53.8	60.3
Denmark	149	6.7	59.9	22.6	6.8	3.9	59.9	0.0	0.0	3.9	50.8	69.0
England	223	7.4	66.4	24.1	2.1	0.0	66.4	0.0	0.0	0.0	61.6	70.7
France	374	5.5	75.2	14.0	5.0	0.3	75.2	0.0	0.0	0.3	70.6	79.2
Germany	366	5.5	67.6	15.3	8.3	3.3	67.6	0.3	0.6	2.4	65.5	70.4
Greece	491	16.9	28.6	32.1	18.9	3.6	28.6	0.3	0.0	3.3	25.0	31.3
Hong Kong	424	12.7	65.1	16.3	5.1	0.8	65.1	0.0	0.3	0.5	55.2	72.8
Hungary	383	6.6	57.0	17.8	15.2	3.5	57.0	0.0	1.4	2.1	54.9	59.0
Iceland	246	11.3	37.4	40.5	9.9	1.0	37.4	0.0	0.0	1.0	36.2	38.6
Iran, Islamic Rep.	459	11.2	17.2	38.6	30.8	2.2	17.2	0.0	0.3	1.9	18.6	16.3
Ireland	402	10.4	50.4	32.8	5.1	1.3	50.4	0.0	0.0	1.3	46.7	54.8
Israel	.	.	.	.	.	.	.	.	.	.	.	.
Japan	640	3.4	71.0	18.7	6.4	0.5	71.0	0.0	0.0	0.5	67.7	74.4
Korea	353	11.4	60.6	20.4	6.8	0.8	60.6	0.0	0.0	0.8	49.5	68.1
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	317	8.9	43.5	28.7	12.0	6.9	43.5	0.0	0.2	6.7	44.8	41.9
Lithuania	321	6.4	47.3	24.3	13.2	8.7	47.3	0.0	0.8	7.9	43.8	50.7
Netherlands	265	5.9	69.9	16.5	6.5	1.2	69.9	0.0	0.0	1.2	64.6	75.6
New Zealand	398	9.9	50.6	31.7	7.3	0.6	50.6	0.0	0.0	0.6	47.4	53.3
Norway	312	10.4	58.2	24.4	5.6	1.4	58.2	0.0	0.0	1.4	47.8	69.3
Philippines	733	15.1	22.2	47.5	14.6	0.5	22.2	0.0	0.0	0.5	22.1	22.4
Portugal	410	9.9	37.7	27.8	20.5	4.1	37.7	0.0	0.0	4.1	35.9	39.8
Romania	472	11.5	30.8	31.0	19.0	7.8	30.8	1.0	0.4	6.3	31.7	29.5
Russian Federation	498	8.5	48.6	31.2	7.3	4.3	48.6	0.0	0.0	4.3	44.8	52.0
Scotland	358	10.7	60.4	24.7	4.1	0.0	60.4	0.0	0.0	0.0	59.9	61.0
Singapore	442	11.9	56.7	25.0	4.2	2.3	56.7	0.0	0.2	2.1	54.3	59.1
Slovak Republic	451	14.0	42.1	32.7	6.0	5.3	42.1	0.2	0.0	5.1	39.3	45.0
Slovenia	354	8.8	56.5	22.4	9.1	3.1	56.5	1.0	0.0	2.1	56.5	56.6
South Africa	639	15.2	16.6	35.5	30.6	2.1	16.6	0.1	0.3	1.7	14.5	18.8
Spain	468	13.0	39.4	27.4	19.1	1.1	39.4	0.0	0.3	0.8	40.8	38.1
Sweden	333	10.8	62.4	19.6	6.8	0.3	62.4	0.0	0.0	0.3	57.9	66.1
Switzerland	516	9.8	66.7	16.1	5.8	1.5	66.7	0.2	0.0	1.4	62.3	70.8
Thailand	707	13.1	48.3	29.3	8.0	1.3	48.3	0.0	0.0	1.2	48.0	49.2
United States	483	11.1	58.8	24.4	3.9	1.9	58.8	0.0	0.0	1.9	55.7	61.8
INTERNATIONAL AVG	.	9.9	50.8	25.9	10.9	2.4	50.8	0.1	0.2	2.2	47.8	53.8

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: O02 KEY: C
 Calculate percent increase. (Fractions and number sense)
 Difficulty: 680

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	694	64.5	10.0	21.0	2.1	2.4	21.0	0.0	0.0	2.4	14.8	28.2
Austria	365	56.3	8.5	31.6	1.2	2.3	31.6	0.0	0.0	2.3	33.8	30.5
Belgium (Fl)	332	46.9	12.0	37.1	3.7	0.3	37.1	0.0	0.0	0.3	30.1	44.1
Belgium (Fr)	280	54.9	11.5	29.1	1.3	3.2	29.1	0.0	0.3	2.9	20.2	39.9
Bulgaria	301	60.7	9.0	24.4	4.0	1.9	24.4	0.5	0.0	1.5	24.9	23.8
Canada	1042	71.4	9.2	16.4	2.3	0.7	16.4	0.0	0.0	0.7	15.3	17.2
Colombia	327	62.9	10.2	10.8	10.1	6.1	10.8	0.0	1.2	5.0	7.3	13.8
Cyprus	304	61.4	10.1	18.6	7.8	2.1	18.6	0.0	0.0	2.1	15.0	21.9
Czech Republic	412	59.2	9.1	28.7	2.1	0.9	28.7	0.6	0.0	0.3	25.0	32.4
Denmark	149	74.5	3.9	16.6	0.4	4.6	16.6	0.0	0.0	4.6	7.0	25.5
England	223	72.7	6.3	18.4	2.2	0.5	18.4	0.0	0.0	0.5	13.3	22.8
France	374	69.2	10.1	17.5	1.8	1.5	17.5	0.0	0.3	1.2	12.5	22.1
Germany	366	59.1	8.1	27.3	0.7	4.8	27.3	0.0	0.8	4.0	26.4	28.7
Greece	491	67.3	7.3	20.2	3.9	1.3	20.2	0.3	0.0	1.1	15.8	23.6
Hong Kong	424	27.9	20.5	46.8	4.2	0.6	46.8	0.0	0.3	0.3	38.5	53.2
Hungary	383	53.4	4.9	36.2	1.8	3.7	36.2	0.0	1.4	2.3	32.0	40.3
Iceland	246	81.1	7.6	9.2	1.1	1.0	9.2	0.0	0.4	0.6	6.3	12.0
Iran, Islamic Rep.	459	70.2	7.2	14.9	6.7	1.1	14.9	0.0	0.3	0.8	15.5	14.4
Ireland	402	49.6	13.7	34.5	1.0	1.1	34.5	0.2	0.0	0.8	29.1	40.9
Israel	.	.	.	.	.	.	.	.	.	.	.	.
Japan	640	55.0	7.8	33.7	3.1	0.4	33.7	0.1	0.0	0.2	23.5	43.8
Korea	353	52.2	9.5	35.6	2.7	0.0	35.6	0.0	0.0	0.0	27.1	41.4
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	317	71.7	6.2	14.3	3.1	4.8	14.3	0.0	0.2	4.5	12.1	16.7
Lithuania	321	66.0	6.2	12.4	7.9	7.5	12.4	0.0	0.8	6.7	10.2	14.6
Netherlands	265	48.1	13.7	33.4	3.1	1.6	33.4	0.0	0.0	1.6	27.3	40.5
New Zealand	398	63.7	10.1	21.3	4.4	0.4	21.3	0.0	0.0	0.4	19.0	23.3
Norway	312	69.9	9.9	16.2	3.2	0.9	16.2	0.0	0.0	0.9	13.2	19.3
Philippines	733	64.8	6.7	16.5	11.5	0.5	16.5	0.0	0.0	0.5	16.5	16.5
Portugal	410	78.6	7.2	10.2	1.4	2.5	10.2	0.0	0.0	2.5	7.2	13.6
Romania	472	72.6	5.9	13.0	3.9	4.4	13.0	0.7	0.4	3.3	11.3	15.4
Russian Federation	498	66.7	5.4	16.1	5.4	6.3	16.1	0.1	0.0	6.2	13.2	18.8
Scotland	358	69.1	8.0	18.7	4.1	0.0	18.7	0.0	0.0	0.0	14.6	23.2
Singapore	442	18.0	11.8	68.7	1.1	0.5	68.7	0.0	0.2	0.3	65.1	72.4
Slovak Republic	451	61.1	8.4	20.4	5.0	5.0	20.4	1.2	0.0	3.8	17.4	23.6
Slovenia	354	66.4	9.0	21.3	1.6	1.7	21.3	0.3	0.0	1.4	21.0	21.7
South Africa	639	42.1	9.1	23.5	22.3	3.0	23.5	0.0	0.3	2.7	23.1	24.0
Spain	468	78.5	5.9	11.0	3.4	1.1	11.0	0.0	0.3	0.9	9.3	12.6
Sweden	333	71.7	6.5	19.3	2.4	0.0	19.3	0.0	0.0	0.0	16.1	22.4
Switzerland	516	77.4	3.3	15.9	1.2	2.2	15.9	0.3	0.0	1.9	11.3	20.2
Thailand	707	58.0	9.8	25.6	5.5	1.1	25.6	0.0	0.0	1.0	23.7	28.8
United States	483	74.8	6.9	13.9	2.7	1.7	13.9	0.0	0.0	1.7	11.5	16.2
INTERNATIONAL AVG	.	62.2	8.7	23.0	3.9	2.1	23.0	0.1	0.2	1.9	19.4	26.6

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: O03 KEY: B
 Identify supplementary angles formed by parallel and intersecting lines. (Geometry)
 Difficulty: 581

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	694	15.9	42.1	15.8	9.7	12.3	4.3	42.1	0.0	0.0	4.3	42.9	41.2
Austria	365	10.0	46.4	13.5	9.5	16.8	3.8	46.4	0.0	0.0	3.8	46.6	45.6
Belgium (Fl)	332	13.7	56.1	6.8	7.8	13.8	1.8	56.1	0.0	0.0	1.8	55.1	57.1
Belgium (Fr)	280	8.9	50.9	7.7	5.4	14.7	12.4	50.9	6.0	0.3	6.1	47.1	56.2
Bulgaria	301	15.6	54.7	10.3	7.6	5.2	6.6	54.7	1.1	0.4	5.2	54.8	54.7
Canada	1042	10.9	35.4	15.8	15.3	18.2	4.4	35.4	3.0	0.0	1.4	34.4	36.2
Colombia	327	7.6	17.3	14.4	17.3	26.6	16.9	17.3	1.5	1.2	14.2	16.5	16.6
Cyprus	304	10.8	44.5	16.0	9.2	8.4	11.2	44.5	3.1	0.0	8.0	48.4	40.6
Czech Republic	412	14.7	51.4	7.2	7.9	14.4	4.5	51.4	0.4	0.0	4.1	48.6	54.1
Denmark	149	8.2	32.1	9.4	14.4	13.8	22.1	32.1	2.7	0.0	19.4	34.5	30.1
England	223	12.0	34.0	15.8	16.2	17.2	4.8	34.0	0.0	0.0	4.8	33.2	34.6
France	374	12.2	38.6	9.4	8.2	16.8	14.8	38.6	10.0	0.3	4.6	34.8	42.4
Germany	366	13.9	41.7	9.0	11.0	11.1	13.4	41.7	3.7	0.8	8.9	44.0	39.0
Greece	491	20.5	27.4	13.1	10.9	20.2	7.8	27.4	2.6	0.0	5.2	22.8	30.9
Hong Kong	425	10.5	61.6	7.5	8.6	11.2	0.5	61.6	0.2	0.3	0.0	58.0	64.4
Hungary	383	13.6	43.4	10.0	10.7	12.2	10.0	43.4	0.0	1.4	8.6	43.3	43.5
Iceland	246	14.4	30.6	25.1	8.5	15.3	6.0	30.6	2.7	0.4	2.9	33.9	27.2
Iran, Islamic Rep.	459	17.1	41.3	9.5	12.3	19.2	0.6	41.3	0.0	0.3	0.3	42.7	40.2
Ireland	402	14.9	34.8	16.4	13.5	16.2	4.2	34.8	1.1	0.0	3.1	30.1	40.2
Israel	.	.	.	.	.	.	.	.	.	.	.	.	.
Japan	640	6.7	65.1	8.8	8.2	10.0	1.2	65.1	0.9	0.0	0.3	65.6	64.6
Korea	353	6.7	76.8	4.5	4.4	7.3	0.3	76.8	0.0	0.0	0.3	72.8	79.6
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	316	15.7	46.5	7.7	6.5	13.9	9.7	46.5	0.0	0.2	9.5	51.2	41.0
Lithuania	321	15.7	39.6	9.8	5.6	12.9	16.4	39.6	0.4	0.8	15.2	40.6	38.5
Netherlands	265	10.2	44.1	11.1	11.6	18.7	4.3	44.1	0.0	0.0	4.3	47.8	39.6
New Zealand	398	12.7	26.7	23.9	15.0	19.0	2.7	26.7	1.3	0.0	1.4	24.8	28.2
Norway	312	9.9	28.9	17.7	12.2	22.2	9.1	28.9	0.0	0.3	8.9	27.5	30.3
Philippines	732	16.3	27.7	13.3	12.8	29.2	0.7	27.7	0.1	0.0	0.5	28.0	27.5
Portugal	410	16.5	30.2	11.7	15.6	20.9	5.0	30.2	0.0	0.0	5.0	27.8	32.9
Romania	469	14.1	41.5	6.0	8.2	14.7	15.4	41.5	6.5	0.4	8.6	40.4	43.2
Russian Federation	498	12.4	62.2	10.8	2.9	8.1	3.6	62.2	1.5	0.0	2.1	57.3	66.5
Scotland	358	17.6	26.3	17.9	11.3	21.8	5.1	26.3	3.0	0.0	2.1	23.7	29.0
Singapore	442	3.8	79.5	6.9	3.9	4.7	1.2	79.5	0.0	0.2	1.0	80.0	79.0
Slovak Republic	453	12.7	50.8	8.6	7.2	11.5	9.1	50.8	2.2	0.0	6.9	50.3	51.4
Slovenia	354	17.7	40.1	12.3	10.5	13.3	6.1	40.1	1.0	0.0	5.1	41.2	38.8
South Africa	639	10.7	19.8	13.1	14.8	37.7	3.9	19.8	2.0	0.3	1.6	18.4	21.5
Spain	468	15.3	32.9	13.8	11.0	17.3	9.7	32.9	0.0	0.3	9.5	27.7	37.7
Sweden	333	8.9	31.1	16.2	18.7	21.2	3.9	31.1	1.5	0.0	2.4	24.3	37.4
Switzerland	516	13.2	29.9	13.5	14.2	18.5	10.7	29.9	3.1	0.0	7.5	30.9	28.8
Thailand	707	12.5	62.6	6.2	6.2	11.9	0.6	62.6	0.0	0.0	0.6	60.3	65.1
United States	483	15.1	31.4	18.1	14.1	18.3	2.8	31.4	0.1	0.0	2.7	28.9	33.9
INTERNATIONAL AVG	.	12.7	41.9	12.1	10.5	15.9	6.8	41.9	1.5	0.2	5.1	41.0	42.7

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: O04 KEY: D
 Identify number rounded to the nearest 100th. (Fractions and number sense)
 Difficulty: 587

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	694	6.8	10.0	9.6	44.4	28.4	0.8	44.4	0.0	0.0	0.8	41.5	47.9
Austria	365	1.8	6.9	12.9	47.6	29.3	1.6	47.6	0.0	0.0	1.6	47.0	50.8
Belgium (Fl)	332	1.2	7.1	12.0	51.8	27.6	0.3	51.8	0.0	0.0	0.3	46.8	56.7
Belgium (Fr)	280	1.0	16.4	14.8	44.3	21.4	2.1	44.3	0.0	0.3	1.7	47.4	41.4
Bulgaria	301	1.0	10.2	17.6	36.7	32.3	2.2	36.7	0.9	0.4	1.0	36.1	37.3
Canada	1042	6.2	8.3	12.4	62.4	9.5	1.2	62.4	0.1	0.0	1.1	60.5	64.4
Colombia	327	0.7	4.5	9.2	26.2	50.3	9.1	26.2	0.3	1.2	7.7	24.6	28.6
Cyprus	304	5.2	20.4	18.6	31.9	21.6	2.3	31.9	0.2	0.0	2.1	34.6	29.1
Czech Republic	412	1.5	7.4	11.8	62.6	16.2	0.5	62.6	0.1	0.0	0.4	62.3	62.9
Denmark	149	8.6	14.7	6.7	29.5	31.3	9.2	29.5	0.4	0.0	8.8	29.0	29.6
England	223	12.3	9.2	14.4	32.0	32.1	0.0	32.0	0.0	0.0	0.0	24.8	38.3
France	374	0.3	11.3	19.2	38.7	29.4	1.2	38.7	0.2	0.3	0.7	36.9	40.8
Germany	366	4.1	6.7	12.8	39.7	32.5	4.2	39.7	0.6	0.8	2.8	37.2	40.9
Greece	491	4.3	12.1	17.9	31.5	32.7	1.6	31.5	0.3	0.0	1.3	31.5	31.5
Hong Kong	425	4.5	12.9	23.3	35.4	23.5	0.5	35.4	0.0	0.3	0.2	28.3	40.8
Hungary	383	1.7	11.5	9.6	44.2	30.2	2.8	44.2	0.0	1.4	1.4	39.8	48.5
Iceland	.	.	.	.	.	.	.	.	.	.	.	.	.
Iran, Islamic Rep.	459	4.0	12.5	19.8	33.3	27.3	3.1	33.3	0.1	0.3	2.7	30.0	35.6
Ireland	402	7.1	13.0	13.1	34.9	30.6	1.2	34.9	0.6	0.0	0.6	36.5	33.1
Israel	.	.	.	.	.	.	.	.	.	.	.	.	.
Japan	640	1.4	5.1	19.5	56.4	17.0	0.5	56.4	0.0	0.0	0.5	57.7	55.2
Korea	353	1.4	1.8	16.4	68.3	12.1	0.0	68.3	0.0	0.0	0.0	63.0	71.9
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	317	2.7	16.0	14.8	28.5	33.4	4.7	28.5	0.0	0.2	4.5	27.0	30.3
Lithuania	321	3.5	4.4	22.8	46.9	18.2	4.2	46.9	0.0	0.8	3.4	49.5	44.4
Netherlands	265	2.9	10.2	16.5	50.2	16.6	3.6	50.2	0.0	0.0	3.6	46.6	54.6
New Zealand	398	7.6	11.4	12.7	31.7	36.0	0.6	31.7	0.0	0.0	0.6	28.6	34.3
Norway	312	10.5	11.7	10.5	37.6	27.8	1.9	37.6	0.0	0.3	1.7	37.8	37.4
Philippines	733	5.2	11.9	16.9	39.3	26.3	0.4	39.3	0.0	0.0	0.4	37.6	41.2
Portugal	410	3.6	8.3	13.4	43.1	30.6	1.0	43.1	0.0	0.0	1.0	40.9	45.6
Romania	472	1.6	7.8	11.0	20.1	52.4	7.1	20.1	2.0	0.4	4.6	17.2	24.0
Russian Federation	498	2.3	3.6	9.7	65.1	16.8	2.4	65.1	0.0	0.0	2.4	58.3	71.2
Scotland	358	6.1	14.6	14.0	29.7	34.8	0.7	29.7	0.0	0.0	0.7	25.0	34.7
Singapore	442	2.7	2.8	10.2	67.7	16.5	0.2	67.7	0.0	0.2	0.0	66.8	68.6
Slovak Republic	453	1.2	6.2	12.6	58.2	19.5	2.2	58.2	0.0	0.0	2.2	55.3	61.3
Slovenia	354	2.8	6.9	10.8	42.5	35.2	1.7	42.5	0.2	0.0	1.5	49.4	35.0
South Africa	639	12.6	12.9	10.1	22.1	41.0	1.4	22.1	0.0	0.3	1.1	21.7	22.7
Spain	468	2.4	12.2	16.3	31.3	34.2	3.5	31.3	0.0	0.3	3.2	32.9	29.9
Sweden	333	11.5	12.4	12.9	33.3	29.2	0.7	33.3	0.0	0.0	0.7	32.6	34.3
Switzerland	516	2.3	6.9	11.8	49.3	29.1	0.6	49.3	0.0	0.0	0.6	47.0	51.6
Thailand	707	1.3	9.8	13.4	63.7	11.1	0.6	63.7	0.0	0.0	0.6	64.1	64.4
United States	483	5.6	9.9	8.6	62.7	10.7	2.4	62.7	0.0	0.0	2.4	65.5	60.1
INTERNATIONAL AVG	.	4.2	9.8	13.9	42.9	27.0	2.2	42.9	0.2	0.2	1.8	41.5	44.4

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: O05 KEY: D
 Calculate number of cube faces from probability of toss. (Data Rep., Analysis & Prob.)
 Difficulty: 587

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	694	2.5	21.1	21.8	48.7	4.5	1.4	48.7	0.0	0.0	1.4	47.1	50.5
Austria	365	5.5	21.4	15.8	46.7	8.8	1.9	46.7	0.0	0.0	1.9	45.7	47.1
Belgium (Fl)	332	2.3	11.2	10.6	73.1	2.8	0.0	73.1	0.0	0.0	0.0	74.7	71.6
Belgium (Fr)	280	3.5	19.3	13.2	55.3	4.4	4.3	55.3	0.0	0.3	4.0	51.4	60.9
Bulgaria	301	4.1	22.1	23.1	37.5	5.5	7.7	37.5	1.0	1.0	5.8	39.3	35.5
Canada	1042	2.4	23.1	21.0	49.3	3.5	0.8	49.3	0.0	0.0	0.8	47.1	51.1
Colombia	327	8.7	26.0	24.8	15.6	18.5	6.2	15.6	0.3	1.2	4.8	15.1	16.7
Cyprus	304	5.4	31.9	19.7	36.6	4.8	1.6	36.6	0.2	0.0	1.4	35.1	38.4
Czech Republic	412	3.0	22.9	29.4	38.7	5.0	1.0	38.7	0.0	0.0	1.0	34.2	43.1
Denmark	149	1.0	19.1	30.4	35.7	7.9	5.8	35.7	0.0	0.0	5.8	21.7	49.9
England	223	1.7	31.6	27.0	35.6	3.8	0.4	35.6	0.0	0.0	0.4	30.3	40.2
France	374	2.9	18.8	27.5	43.5	6.4	1.0	43.5	0.5	0.3	0.3	38.1	48.3
Germany	366	2.4	15.3	23.1	49.7	4.9	4.7	49.7	0.2	0.8	3.7	44.6	54.9
Greece	491	7.3	24.6	20.7	33.8	9.1	4.5	33.8	0.6	0.0	3.8	32.1	35.1
Hong Kong	425	1.9	10.7	11.9	69.8	4.3	1.4	69.8	0.0	0.3	1.2	62.6	75.3
Hungary	383	3.3	16.5	27.5	42.6	6.2	3.8	42.6	0.0	1.4	2.4	41.6	43.6
Iceland	246	3.2	20.0	33.9	35.6	6.5	0.8	35.6	0.0	0.4	0.4	31.4	39.7
Iran, Islamic Rep.	459	6.6	19.7	32.9	26.5	12.8	1.5	26.5	0.0	0.3	1.2	27.3	25.9
Ireland	402	2.4	16.1	17.0	57.9	5.6	1.1	57.9	0.3	0.0	0.8	57.5	58.3
Israel	.	.	.	.	.	.	.	.	.	.	.	.	.
Japan	640	2.5	16.1	11.4	68.6	1.5	0.0	68.6	0.0	0.0	0.0	65.8	71.4
Korea	353	6.3	16.8	7.3	65.8	3.8	0.0	65.8	0.0	0.0	0.0	61.9	68.4
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	316	8.7	16.7	34.0	21.9	10.0	8.6	21.9	0.0	0.2	8.4	20.6	23.4
Lithuania	321	5.1	27.5	29.3	18.4	9.0	10.6	18.4	0.2	0.8	9.6	17.8	19.0
Netherlands	265	4.0	15.2	18.0	60.1	1.7	1.1	60.1	0.0	0.0	1.1	57.5	62.7
New Zealand	398	3.2	26.1	28.5	36.9	4.5	0.8	36.9	0.0	0.0	0.8	36.8	37.0
Norway	312	2.5	18.6	26.0	42.3	10.1	0.5	42.3	0.0	0.3	0.3	36.9	48.0
Philippines	733	7.9	34.2	31.5	13.4	12.4	0.5	13.4	0.0	0.0	0.5	14.9	11.8
Portugal	410	3.7	28.3	41.4	17.6	8.5	0.5	17.6	0.0	0.0	0.5	18.4	16.8
Romania	471	7.2	20.9	33.3	20.4	9.3	9.0	20.4	2.2	0.4	6.5	16.1	26.2
Russian Federation	498	5.5	23.2	25.7	29.0	9.4	7.2	29.0	0.0	0.0	7.2	24.2	33.2
Scotland	358	2.8	26.2	29.4	36.4	5.2	0.0	36.4	0.0	0.0	0.0	32.8	40.1
Singapore	442	1.4	10.9	5.4	80.0	1.3	1.0	80.0	0.0	0.2	0.9	79.4	80.7
Slovak Republic	452	7.9	17.1	25.6	37.0	7.7	4.7	37.0	0.3	0.0	4.5	29.3	45.2
Slovenia	354	6.6	22.2	29.8	33.5	5.1	2.8	33.5	0.0	0.0	2.8	33.5	33.4
South Africa	639	8.6	22.0	27.4	12.0	27.9	2.1	12.0	0.2	0.5	1.5	11.7	12.4
Spain	468	7.0	29.1	30.3	23.6	8.6	1.4	23.6	0.0	0.3	1.2	20.5	26.5
Sweden	333	5.9	18.0	24.8	45.4	5.9	0.0	45.4	0.0	0.0	0.0	41.7	49.0
Switzerland	516	2.5	15.7	21.3	54.9	3.5	2.0	54.9	0.0	0.0	2.0	50.2	59.4
Thailand	707	3.7	24.4	23.7	39.8	7.5	0.8	39.8	0.0	0.0	0.8	37.8	43.3
United States	483	3.2	33.2	23.6	37.0	2.4	0.8	37.0	0.0	0.0	0.8	35.2	38.8
INTERNATIONAL AVG	.	4.4	21.3	24.0	40.6	7.0	2.6	40.6	0.1	0.2	2.3	38.0	43.3

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: O06
 Calculate time to remove cake after baking 3/4 hour. (Measurement)
 Difficulty: 465

COUNTRY	N	10	19	70	71	72	73	74	79	90	99	V1	NOT	OMIT	1.GIRL	2.BOY
													REACH		% Right	% Right
													ED			
Australia	694	75.3	1.0	0.5	2.0	1.8	3.3	1.4	11.5	0.2	3.1	76.2	0.0	3.1	73.5	79.5
Austria	365	83.5	0.5	0.5	0.5	0.9	2.9	1.0	5.9	1.1	3.2	84.0	0.0	3.2	81.6	88.4
Belgium (Fl)	332	70.0	2.5	0.9	1.9	0.0	2.2	2.4	18.8	0.0	1.2	72.6	0.0	1.2	70.9	74.3
Belgium (Fr)	280	0.0	87.8	0.0	0.0	0.0	0.0	0.0	9.4	0.0	2.8	87.8	0.3	2.5	90.7	86.9
Bulgaria	301	36.4	0.4	0.0	2.6	0.4	0.0	0.3	34.3	1.0	24.6	36.8	1.5	23.1	36.9	36.8
Canada	1042	66.4	0.6	2.1	5.1	1.2	2.1	2.1	16.9	0.3	3.2	67.0	0.0	3.2	66.5	67.4
Colombia	327	33.2	1.6	3.9	3.0	1.7	2.0	0.0	44.9	2.4	7.3	34.8	1.5	5.7	32.2	35.7
Cyprus	304	72.4	2.1	1.1	2.1	1.2	2.9	0.0	8.7	0.0	9.4	74.5	0.0	9.4	74.5	75.1
Czech Republic	412	77.1	7.5	0.2	1.3	1.1	1.0	0.0	11.0	0.3	0.4	84.6	0.0	0.4	82.2	87.0
Denmark	149	71.4	3.9	0.0	0.0	0.7	3.4	0.4	15.2	0.0	5.0	75.3	0.0	5.0	74.1	76.1
England	223	79.8	2.1	0.4	1.0	2.5	0.9	0.9	10.4	0.4	1.6	81.9	0.0	1.6	80.6	83.1
France	374	82.0	0.7	0.7	1.1	1.8	0.9	0.4	9.2	0.4	2.8	82.7	0.3	2.5	77.3	87.3
Germany	366	85.0	0.2	0.2	0.6	1.0	1.9	0.0	6.7	0.0	4.3	85.2	1.1	3.2	85.5	84.5
Greece	491	66.0	1.1	2.2	2.0	2.0	1.9	1.3	15.4	2.0	6.1	67.1	0.0	6.1	63.3	70.1
Hong Kong	425	55.7	0.2	0.7	1.8	2.8	1.9	0.7	27.2	0.2	8.6	56.0	0.3	8.4	45.6	64.0
Hungary	383	84.0	0.0	0.0	0.2	0.2	0.6	0.0	11.6	0.2	3.1	84.0	1.4	1.7	85.2	82.8
Iceland	246	57.1	2.5	1.6	1.6	0.8	2.5	0.0	30.7	0.4	2.9	59.5	0.4	2.5	56.7	62.4
Iran, Islamic Rep.	459	10.7	6.0	0.6	2.3	0.8	0.7	0.8	53.8	0.5	23.9	16.7	0.3	23.6	14.1	18.6
Ireland	402	81.1	2.0	0.3	1.2	1.9	2.6	0.4	9.7	0.0	1.0	83.0	0.0	1.0	82.6	83.5
Israel	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Japan	640	2.3	58.4	0.0	4.8	1.8	0.8	1.1	26.8	0.2	3.8	60.7	0.0	3.8	60.2	61.2
Korea	353	53.2	0.2	0.8	0.8	1.8	0.5	3.2	33.3	0.0	6.1	53.4	0.0	6.1	47.8	57.2
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	317	35.6	0.2	4.2	5.6	0.2	0.8	2.2	38.6	1.1	11.6	35.8	0.2	11.4	35.8	35.9
Lithuania	321	26.1	0.8	3.1	1.2	0.0	0.4	0.0	47.0	0.0	21.5	26.9	0.8	20.7	24.7	29.2
Netherlands	265	84.8	0.0	0.4	0.0	1.5	1.4	0.5	10.4	0.4	0.7	84.8	0.0	0.7	83.2	86.6
New Zealand	398	69.9	2.4	0.7	3.2	3.3	2.9	0.1	15.2	0.0	2.4	72.2	0.0	2.4	72.4	72.1
Norway	312	68.6	2.0	0.0	0.8	5.4	4.1	0.8	16.8	0.0	1.3	70.7	0.3	1.1	67.0	74.6
Philippines	733	12.6	0.5	10.4	6.1	3.4	0.8	0.3	50.1	1.4	14.5	13.1	0.0	14.5	14.9	11.2
Portugal	410	65.3	2.0	1.7	3.3	1.4	3.9	0.3	17.4	0.5	4.1	67.4	0.0	4.1	60.2	75.4
Romania	471	64.8	0.2	1.2	1.7	1.9	0.4	0.6	18.6	0.3	10.2	65.0	0.4	9.9	62.3	68.6
Russian Federation	498	46.7	3.2	1.4	1.8	0.1	0.0	0.7	36.7	0.3	9.1	49.9	0.0	9.1	48.0	51.5
Scotland	358	77.0	0.0	1.3	1.5	3.4	1.8	0.3	13.1	0.5	1.1	77.0	0.0	1.1	74.7	79.4
Singapore	442	77.6	0.0	0.1	1.9	1.0	1.9	1.6	14.9	0.0	1.0	77.6	0.2	0.8	74.1	81.2
Slovak Republic	452	72.3	10.0	0.2	2.2	1.5	0.0	0.2	9.6	0.0	4.0	82.3	0.0	4.0	81.2	83.6
Slovenia	354	66.6	4.6	0.8	2.1	0.9	1.5	0.5	19.6	0.4	3.0	71.2	0.0	3.0	70.7	71.8
South Africa	639	12.8	0.0	2.0	4.3	0.7	2.2	0.6	61.5	0.3	15.5	12.8	0.5	15.1	10.6	15.6
Spain	468	69.3	4.0	0.4	1.8	1.6	2.3	0.3	16.0	0.2	4.1	73.3	0.3	3.9	70.9	75.6
Sweden	333	73.3	2.0	1.0	0.0	2.7	1.0	0.0	19.2	0.0	0.7	75.3	0.0	0.7	72.0	78.7
Switzerland	516	79.6	0.4	0.3	0.3	1.2	1.9	0.6	13.7	0.0	2.0	80.1	0.0	2.0	75.7	84.2
Thailand	707	35.2	0.0	3.7	9.8	2.1	0.5	0.1	42.7	0.4	5.4	35.2	0.0	5.4	36.5	34.0
United States	483	48.6	0.2	2.7	4.5	2.3	2.7	5.0	30.9	0.4	2.6	48.8	0.0	2.6	47.0	50.6
INTERNATIONAL AVG	.	58.2	5.4	1.3	2.2	1.5	1.6	0.8	22.6	0.4	6.0	63.6	0.2	5.7	61.6	65.5

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: O07 KEY: B
 Solve linear equation for X. (Algebra)
 Difficulty: 474

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	694	11.5	64.5	18.9	2.0	3.0	64.5	0.0	0.0	3.0	64.1	65.0
Austria	365	10.1	69.5	15.6	2.0	2.7	69.5	0.0	0.0	2.7	69.5	70.4
Belgium (Fl)	332	6.6	84.0	7.8	1.1	0.5	84.0	0.0	0.0	0.5	85.0	83.0
Belgium (Fr)	280	9.1	68.7	15.9	0.8	5.5	68.7	0.0	0.3	5.2	70.2	67.4
Bulgaria	301	3.7	81.6	5.9	3.2	5.5	81.6	0.0	1.5	4.0	82.9	80.1
Canada	1042	12.4	54.8	30.1	1.8	0.9	54.8	0.0	0.0	0.9	56.7	52.9
Colombia	327	17.2	30.1	27.2	8.0	17.5	30.1	0.9	1.7	14.9	24.6	35.2
Cyprus	304	11.0	64.6	15.6	5.2	3.6	64.6	0.2	0.0	3.3	67.8	60.9
Czech Republic	412	6.7	80.9	7.5	1.2	3.7	80.9	1.5	0.0	2.2	82.2	79.7
Denmark	149	9.2	53.2	26.2	1.0	10.3	53.2	0.0	0.0	10.3	54.1	53.2
England	223	3.4	51.3	37.8	5.7	1.8	51.3	0.0	0.0	1.8	50.1	52.5
France	374	10.4	61.8	21.6	2.4	3.9	61.8	0.5	0.3	3.1	60.9	62.6
Germany	366	10.1	62.4	13.1	3.5	10.9	62.4	0.3	1.1	9.5	59.7	65.6
Greece	491	9.5	61.6	20.7	3.3	4.8	61.6	0.3	0.0	4.6	62.4	61.0
Hong Kong	425	5.4	86.9	4.8	1.4	1.4	86.9	0.0	0.3	1.2	87.2	86.7
Hungary	383	5.3	78.9	8.1	2.0	5.7	78.9	0.0	1.4	4.3	79.9	77.8
Iceland	246	9.5	45.3	39.2	1.3	4.7	45.3	0.0	0.4	4.3	42.6	48.0
Iran, Islamic Rep.	459	13.9	36.2	27.6	18.8	3.5	36.2	0.0	0.3	3.3	30.2	40.5
Ireland	402	15.1	64.6	15.5	1.5	3.2	64.6	1.4	0.0	1.8	65.5	63.6
Israel	.	.	.	.	.	.	.	.	.	.	.	.
Japan	640	6.0	84.8	8.1	0.4	0.7	84.8	0.0	0.0	0.7	85.8	83.8
Korea	353	3.9	87.0	7.2	1.9	0.0	87.0	0.0	0.0	0.0	86.7	87.1
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	317	12.3	69.6	9.7	2.7	5.7	69.6	0.0	0.2	5.5	72.1	66.6
Lithuania	321	10.2	65.8	8.7	5.1	10.2	65.8	0.0	0.8	9.4	71.9	59.8
Netherlands	265	10.1	49.0	35.3	0.9	4.7	49.0	0.0	0.0	4.7	53.3	43.7
New Zealand	398	7.6	56.0	28.0	5.5	2.8	56.0	0.5	0.0	2.3	59.4	53.3
Norway	312	6.9	31.8	51.8	2.5	7.0	31.8	0.0	0.3	6.8	28.6	35.3
Philippines	733	15.4	37.8	30.0	15.8	1.0	37.8	0.0	0.0	1.0	40.0	35.6
Portugal	410	10.6	47.1	33.4	5.0	3.9	47.1	0.0	0.0	3.9	49.7	44.2
Romania	471	10.0	70.0	10.5	1.6	8.0	70.0	1.1	0.4	6.5	72.0	67.3
Russian Federation	498	7.5	84.3	6.1	0.4	1.7	84.3	0.0	0.0	1.7	84.8	83.8
Scotland	358	8.6	40.3	46.4	2.9	1.9	40.3	0.0	0.0	1.9	42.4	38.1
Singapore	442	2.5	90.6	6.3	0.2	0.4	90.6	0.0	0.2	0.3	88.7	92.5
Slovak Republic	452	3.0	82.7	8.7	2.0	3.7	82.7	0.4	0.0	3.2	84.8	80.4
Slovenia	354	11.3	73.9	12.6	0.5	1.7	73.9	0.3	0.0	1.4	76.2	71.5
South Africa	639	8.0	38.4	32.3	15.6	5.6	38.4	0.3	0.5	4.8	36.9	40.3
Spain	468	13.8	58.0	21.0	3.3	4.0	58.0	0.0	0.3	3.7	61.5	54.8
Sweden	333	8.4	42.3	42.9	2.2	4.3	42.3	0.0	0.0	4.3	43.2	40.7
Switzerland	516	10.8	54.2	25.9	2.4	6.8	54.2	0.0	0.0	6.8	55.7	52.7
Thailand	707	11.1	71.4	13.7	3.2	0.6	71.4	0.0	0.0	0.6	74.0	68.4
United States	483	12.5	63.3	21.8	1.6	0.9	63.3	0.0	0.0	0.9	62.5	64.0
INTERNATIONAL AVG	.	9.3	62.5	20.5	3.6	4.2	62.5	0.2	0.2	3.8	63.1	61.8

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: O08 KEY: B
 Find center point of rotation for symmetry-related figures. (Geometry)
 Difficulty: 483

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	694	5.9	68.6	5.1	14.5	4.6	1.4	68.6	0.0	0.0	1.4	67.6	69.9
Austria	365	2.6	70.8	4.9	17.8	2.1	1.8	70.8	0.0	0.0	1.8	70.9	71.3
Belgium (Fl)	332	5.0	64.5	7.4	11.9	6.9	4.3	64.5	0.0	0.0	4.3	60.1	68.8
Belgium (Fr)	280	3.1	70.0	4.4	17.2	3.0	2.3	70.0	0.0	0.3	1.9	72.8	67.1
Bulgaria	301	3.5	74.2	4.9	12.4	1.1	3.9	74.2	0.2	1.5	2.2	76.9	71.3
Canada	1042	4.5	68.4	5.5	15.6	5.0	1.0	68.4	0.1	0.0	0.9	69.7	67.7
Colombia	327	11.8	42.4	8.5	25.6	4.8	7.0	42.4	0.3	3.5	3.2	38.7	45.1
Cyprus	304	6.5	49.4	8.7	28.8	3.9	2.7	49.4	0.0	0.0	2.7	56.9	41.7
Czech Republic	411	0.9	73.7	1.0	21.8	2.2	0.3	73.7	0.0	0.0	0.3	69.2	78.0
Denmark	149	2.2	66.8	4.8	15.3	1.9	9.2	66.8	0.7	0.7	7.7	64.1	70.4
England	223	6.2	57.5	3.3	27.5	5.4	0.0	57.5	0.0	0.0	0.0	54.1	60.6
France	374	3.9	77.0	2.8	15.0	1.0	0.3	77.0	0.0	0.3	0.0	75.3	79.8
Germany	366	4.6	65.2	6.4	12.3	6.7	4.7	65.2	0.5	1.1	3.1	62.8	67.8
Greece	491	11.6	42.9	10.4	19.9	12.7	2.4	42.9	0.5	0.0	2.0	44.4	41.8
Hong Kong	425	4.2	81.9	3.6	9.1	0.7	0.5	81.9	0.0	0.3	0.2	79.0	84.2
Hungary	383	3.9	78.8	2.3	8.7	3.4	2.9	78.8	0.2	1.4	1.3	79.2	78.4
Iceland	246	10.0	39.2	14.3	15.7	19.2	1.7	39.2	0.0	0.4	1.3	42.0	36.4
Iran, Islamic Rep.	459	12.1	49.8	11.3	22.2	4.1	0.5	49.8	0.0	0.3	0.2	56.8	44.8
Ireland	402	5.4	48.2	8.0	28.8	7.4	2.2	48.2	0.2	0.0	2.0	46.3	50.5
Israel	.	.	.	.	.	.	.	.	.	.	.	.	.
Japan	640	1.9	86.8	1.0	8.8	1.5	0.0	86.8	0.0	0.0	0.0	85.9	87.8
Korea	353	2.8	83.3	0.5	9.7	3.6	0.0	83.3	0.0	0.0	0.0	81.4	84.7
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	317	5.8	60.4	3.0	21.3	4.1	5.5	60.4	0.0	0.2	5.3	61.2	59.4
Lithuania	321	2.0	55.6	7.2	24.1	1.6	9.4	55.6	0.0	1.2	8.2	56.5	54.8
Netherlands	265	8.2	55.9	5.6	14.4	13.9	2.0	55.9	0.0	0.0	2.0	49.5	62.7
New Zealand	398	4.1	59.3	8.0	24.6	3.5	0.6	59.3	0.0	0.0	0.6	58.7	59.8
Norway	311	8.2	28.1	17.5	16.4	26.2	3.7	28.1	0.0	0.7	3.0	22.3	34.3
Philippines	733	14.2	46.9	13.8	17.7	7.1	0.3	46.9	0.0	0.0	0.3	52.8	40.9
Portugal	410	5.6	56.3	7.4	25.6	3.8	1.3	56.3	0.0	0.0	1.3	53.8	59.1
Romania	471	3.6	60.2	7.1	22.2	1.9	5.1	60.2	2.3	0.4	2.4	61.3	58.7
Russian Federation	498	2.8	73.7	2.6	14.6	2.8	3.5	73.7	0.1	0.0	3.3	73.4	73.9
Scotland	358	4.0	58.8	8.6	21.5	7.0	0.0	58.8	0.0	0.0	0.0	56.2	61.7
Singapore	442	3.4	67.9	4.5	19.2	4.2	0.7	67.9	0.0	0.2	0.6	62.9	73.1
Slovak Republic	453	3.0	72.1	5.0	14.9	4.2	0.9	72.1	0.0	0.0	0.9	73.0	71.1
Slovenia	354	1.5	74.2	5.6	16.1	2.2	0.5	74.2	0.0	0.0	0.5	76.9	71.1
South Africa	639	10.2	29.2	13.9	36.7	6.7	3.3	29.2	0.2	0.7	2.3	29.9	28.7
Spain	468	7.5	53.6	6.9	24.3	5.6	2.0	53.6	0.0	0.3	1.7	57.8	49.7
Sweden	333	3.6	47.2	13.2	22.7	11.9	1.5	47.2	0.3	0.3	0.8	43.7	51.3
Switzerland	516	4.8	64.1	3.7	20.3	4.6	2.6	64.1	0.4	0.0	2.2	58.4	69.4
Thailand	707	4.9	71.0	2.8	16.2	4.4	0.7	71.0	0.1	0.0	0.6	69.5	73.2
United States	483	5.4	57.0	7.4	26.1	3.4	0.7	57.0	0.0	0.0	0.7	51.4	62.5
INTERNATIONAL AVG	.	5.4	61.3	6.6	18.9	5.5	2.3	61.3	0.2	0.3	1.8	60.6	62.1

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: 009
 Solve division word problem: common fractions. (Fractions and number sense)
 Difficulty: 571

COUNTRY	N	10	70	71	72	73	74	75	79	90	99	V1	NOT	OMIT	1.GIRL	2.BOY
													REACH		% Right	% Right
													ED			
Australia	694	58.1	0.1	0.8	2.0	0.8	4.7	4.1	19.3	1.1	9.1	58.1	0.0	9.1	56.5	59.9
Austria	365	61.7	0.0	0.8	2.8	1.9	3.7	3.9	18.0	1.5	5.6	61.7	0.0	5.6	60.1	64.2
Belgium (Fl)	332	68.0	0.5	0.4	1.4	1.4	4.4	3.4	18.5	0.3	1.8	68.0	0.0	1.8	60.6	75.2
Belgium (Fr)	280	60.6	0.0	0.0	0.0	0.0	0.0	0.0	26.7	0.0	12.7	60.6	0.3	12.4	54.3	69.5
Bulgaria	301	34.7	1.5	2.0	3.4	5.0	4.9	3.1	12.1	1.5	31.7	34.7	1.5	30.2	37.9	31.3
Canada	1042	46.1	0.5	2.4	2.1	3.3	6.6	5.3	22.8	1.7	9.1	46.1	0.3	8.8	39.0	52.6
Colombia	327	12.6	1.5	4.6	3.4	2.6	3.5	6.5	39.0	2.2	24.2	12.6	3.5	20.7	7.7	16.5
Cyprus	304	29.7	1.5	7.9	2.1	3.2	4.3	3.5	17.6	0.4	29.8	29.7	0.0	29.8	26.5	33.2
Czech Republic	411	48.4	0.7	1.1	3.1	5.1	7.7	2.6	20.9	0.9	9.3	48.4	0.0	9.3	39.6	57.1
Denmark	149	38.3	1.1	1.2	6.6	4.9	7.1	5.0	16.4	0.0	19.4	38.3	0.7	18.7	33.1	43.1
England	223	49.4	1.4	1.2	3.5	3.3	6.2	3.4	25.0	1.9	4.7	49.4	0.0	4.7	41.9	56.1
France	374	33.9	0.4	3.7	2.4	1.4	5.7	4.2	23.2	1.0	24.2	33.9	0.3	24.0	24.6	43.1
Germany	365	51.0	0.9	0.0	2.4	1.4	5.3	5.2	15.5	1.5	16.7	51.0	1.1	15.7	45.7	55.4
Greece	491	21.7	0.2	4.5	2.6	2.0	10.7	6.3	17.3	3.1	31.6	21.7	0.0	31.6	16.1	26.2
Hong Kong	425	63.6	0.6	3.2	3.3	2.1	4.5	5.4	10.4	0.0	7.0	63.6	0.3	6.7	57.4	68.4
Hungary	383	43.8	0.0	7.0	0.6	0.8	5.4	5.8	22.7	0.5	13.5	43.8	1.6	11.8	42.7	44.9
Iceland	246	35.7	0.2	0.2	5.6	4.6	16.1	6.9	21.4	0.2	9.2	35.7	0.4	8.8	27.0	44.2
Iran, Islamic Rep.	459	18.8	0.1	18.4	3.4	3.5	4.7	6.6	28.1	0.1	16.3	18.8	0.3	16.0	13.5	22.6
Ireland	402	61.0	2.5	4.1	0.3	1.1	1.8	4.5	19.8	0.2	4.8	61.0	0.0	4.8	56.6	66.0
Israel	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Japan	640	50.8	0.7	1.8	3.9	3.0	20.8	4.1	8.3	0.7	6.1	50.8	0.0	6.1	46.9	54.6
Korea	353	53.2	0.8	5.6	3.5	3.2	9.4	5.4	14.2	0.0	4.8	53.2	0.0	4.8	45.9	58.2
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	317	34.9	1.0	4.3	1.5	2.1	4.9	3.2	26.7	2.4	18.8	34.9	0.2	18.6	32.6	37.6
Lithuania	321	22.5	0.7	0.7	4.1	3.2	6.8	3.9	21.2	1.5	35.4	22.5	1.2	34.2	17.4	27.4
Netherlands	265	71.4	0.4	2.2	2.0	0.6	1.7	1.9	15.5	2.1	2.2	71.4	0.4	1.8	68.4	74.5
New Zealand	398	51.7	0.7	0.8	2.4	3.8	4.4	6.7	20.6	0.4	8.5	51.7	0.0	8.5	51.6	51.7
Norway	312	31.7	0.0	0.2	3.7	7.6	17.3	11.0	19.4	1.3	7.8	31.7	0.7	7.1	26.6	37.2
Philippines	733	12.7	9.3	8.3	1.2	1.9	4.2	6.0	36.7	2.5	17.2	12.7	0.0	17.2	14.1	11.2
Portugal	410	18.6	0.4	3.8	6.9	4.3	10.2	6.1	23.1	1.5	25.1	18.6	0.0	25.1	17.4	20.0
Romania	470	31.8	2.3	7.1	2.1	3.0	3.7	4.6	19.1	0.0	26.4	31.8	0.7	25.7	28.2	36.7
Russian Federation	498	50.7	1.0	6.9	1.2	1.0	3.1	3.9	15.6	0.7	15.8	50.7	0.5	15.3	40.4	59.9
Scotland	358	48.2	1.9	1.0	1.6	1.6	6.8	6.3	21.3	0.9	10.5	48.2	0.0	10.5	46.7	49.8
Singapore	442	71.9	1.6	6.2	1.6	1.4	2.9	1.0	10.8	0.0	2.4	71.9	0.2	2.3	69.8	74.2
Slovak Republic	453	41.2	0.8	5.3	2.7	2.1	5.8	3.3	18.4	3.0	17.3	41.2	0.0	17.3	39.3	43.3
Slovenia	354	43.3	0.9	2.8	3.2	1.0	5.0	4.7	18.5	2.2	18.5	43.3	0.0	18.5	40.3	46.6
South Africa	639	6.6	1.9	2.7	1.7	1.4	4.0	8.4	54.4	0.9	18.0	6.6	0.9	17.2	6.8	6.4
Spain	468	29.5	0.3	2.4	1.6	2.9	5.6	6.9	29.1	0.3	21.4	29.5	0.3	21.1	26.1	32.5
Sweden	333	41.5	0.0	0.0	8.3	4.8	8.4	6.6	22.4	3.1	4.8	41.5	0.3	4.5	39.3	43.1
Switzerland	516	55.6	0.6	1.5	3.8	1.8	6.2	3.1	18.8	1.5	7.1	55.6	0.0	7.1	49.2	61.7
Thailand	707	45.4	0.3	3.4	1.8	3.7	6.8	6.7	24.6	0.2	7.2	45.4	0.0	7.1	47.0	43.4
United States	483	36.4	1.8	4.3	3.7	4.6	10.2	6.9	26.3	0.9	4.9	36.4	0.0	4.9	31.2	41.5
INTERNATIONAL AVG	.	42.2	1.0	3.4	2.8	2.7	6.4	4.9	21.5	1.1	14.0	42.2	0.4	13.6	38.2	46.0

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: P08 KEY: D
 Know relationship between side and perimeter for square. (Geometry)
 Difficulty: 536

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	687	18.1	15.5	9.7	54.1	2.5	54.1	0.0	0.1	2.5	57.0	51.1
Austria	373	20.5	16.9	4.5	54.0	4.1	54.0	0.0	0.8	3.3	54.2	52.6
Belgium (Fl)	342	13.9	9.2	3.2	71.1	2.5	71.1	0.0	0.3	2.2	71.2	71.1
Belgium (Fr)	280	16.1	10.5	2.1	65.6	5.6	65.6	0.0	0.9	4.7	62.2	69.9
Bulgaria	240	11.5	11.9	5.5	61.5	9.7	61.5	0.0	2.7	7.0	61.3	61.6
Canada	1030	19.8	18.0	8.9	51.0	2.4	51.0	0.0	0.0	2.4	45.5	56.9
Colombia	333	19.7	21.6	11.3	29.6	17.9	29.6	0.4	6.2	11.3	29.2	30.3
Cyprus	337	20.3	26.8	13.7	35.0	4.2	35.0	0.0	0.4	3.8	33.8	36.0
Czech Republic	417	18.5	12.3	6.7	53.1	9.4	53.1	1.2	0.0	8.1	52.6	53.6
Denmark	269	20.1	16.9	11.9	31.1	20.1	31.1	0.2	1.3	18.6	29.4	34.1
England	221	16.4	20.2	11.0	49.0	3.4	49.0	0.0	0.0	3.4	52.7	46.2
France	371	17.4	5.9	8.6	58.2	9.9	58.2	0.0	0.0	9.9	51.6	67.0
Germany	356	29.3	15.2	4.6	36.5	14.4	36.5	0.6	0.3	13.4	35.8	38.2
Greece	484	18.3	14.5	12.4	48.8	5.9	48.8	0.3	0.6	5.0	47.1	49.9
Hong Kong	428	13.2	16.2	6.9	63.5	0.2	63.5	0.0	0.0	0.2	62.6	64.1
Hungary	377	21.5	20.5	7.2	43.1	7.7	43.1	0.0	0.5	7.2	42.3	43.9
Iceland	237	19.2	32.2	14.3	27.8	6.5	27.8	0.0	0.7	5.8	27.1	28.7
Iran, Islamic Rep.	465	24.6	9.1	6.7	56.6	3.0	56.6	0.0	0.1	2.9	46.6	64.5
Ireland	408	19.8	20.7	8.7	47.2	3.6	47.2	0.0	0.2	3.4	45.4	49.5
Israel	.	.	.	.	.	.	.	.	.	.	.	.
Japan	638	14.7	5.7	3.2	75.8	0.6	75.8	0.0	0.1	0.5	77.1	74.7
Korea	360	10.1	9.1	3.4	77.4	0.0	77.4	0.0	0.0	0.0	78.3	76.9
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	319	18.3	22.2	8.3	39.9	11.4	39.9	0.0	2.3	9.1	41.0	38.7
Lithuania	312	29.1	7.9	2.5	32.9	27.6	32.9	0.0	2.0	25.5	30.2	35.5
Netherlands	265	31.4	8.7	5.4	53.8	0.7	53.8	0.0	0.4	0.3	51.9	56.0
New Zealand	394	18.1	28.2	11.3	39.6	2.7	39.6	0.2	0.5	2.1	43.3	36.7
Norway	304	18.7	26.3	14.0	32.5	8.5	32.5	0.0	0.8	7.6	31.1	33.7
Philippines	721	19.7	28.2	15.5	35.5	1.1	35.5	0.0	0.4	0.7	36.9	33.8
Portugal	426	18.5	19.9	10.1	45.2	6.2	45.2	0.0	1.1	5.1	42.2	48.3
Romania	468	11.8	16.7	7.1	52.3	12.1	52.3	0.8	1.6	9.8	52.5	52.1
Russian Federation	514	17.5	17.8	6.3	48.6	9.9	48.6	0.0	2.0	7.9	49.8	47.3
Scotland	370	18.9	19.3	9.9	47.4	4.6	47.4	0.0	1.1	3.4	52.0	43.0
Singapore	449	9.9	9.5	3.8	74.6	2.2	74.6	0.0	0.7	1.4	80.1	69.6
Slovak Republic	440	18.7	12.0	5.1	59.0	5.3	59.0	0.3	0.5	4.4	56.3	61.6
Slovenia	372	13.7	21.6	6.6	53.0	5.1	53.0	0.0	0.0	5.1	53.8	52.3
South Africa	610	25.5	18.9	13.1	35.7	6.8	35.7	0.1	2.2	4.4	38.5	32.8
Spain	451	19.2	18.7	8.5	48.3	5.4	48.3	0.0	0.0	5.4	47.2	49.2
Sweden	362	21.9	17.6	17.1	40.2	3.3	40.2	0.0	0.2	3.1	38.5	41.5
Switzerland	518	29.6	13.0	9.3	44.3	3.8	44.3	0.0	0.6	3.2	39.4	50.0
Thailand	696	18.0	18.1	5.0	56.1	2.8	56.1	0.0	1.3	1.6	57.8	52.9
United States	480	18.0	22.4	11.3	45.4	2.9	45.4	0.0	0.4	2.6	46.8	43.7
INTERNATIONAL AVG	.	19.0	16.9	8.4	49.4	6.4	49.4	0.1	0.8	5.5	48.8	50.0

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: P09 KEY: C
 Find length of side for similar triangles. (Geometry)
 Difficulty: 617

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	687	4.9	23.5	31.7	31.3	5.0	3.5	31.7	0.0	0.1	3.4	32.2	31.3
Austria	373	2.6	16.2	40.1	33.2	2.2	5.8	40.1	0.0	1.3	4.5	39.6	41.3
Belgium (Fl)	342	2.8	15.0	46.0	29.7	2.6	3.8	46.0	0.0	0.3	3.5	48.0	43.9
Belgium (Fr)	280	3.2	20.4	58.6	9.6	0.9	7.4	58.6	0.0	0.9	6.4	55.4	61.8
Bulgaria	240	4.9	24.9	49.4	7.1	2.1	11.6	49.4	0.0	2.8	8.8	53.1	45.0
Canada	1030	2.8	28.6	32.5	30.5	4.2	1.4	32.5	0.0	0.0	1.3	29.6	35.4
Colombia	333	5.3	13.0	20.9	34.8	13.3	12.7	20.9	0.0	7.2	5.5	20.1	21.8
Cyprus	337	4.9	23.3	28.5	29.1	10.2	4.0	28.5	0.3	0.4	3.3	26.6	30.3
Czech Republic	416	2.0	27.3	32.3	31.5	1.7	5.3	32.3	1.6	0.0	3.7	33.2	31.3
Denmark	269	2.8	13.6	27.8	39.7	1.1	15.0	27.8	0.0	1.6	13.3	28.1	26.6
England	221	1.5	26.7	33.8	31.5	4.4	2.0	33.8	0.0	0.0	2.0	30.1	36.7
France	371	3.7	20.4	57.8	13.0	1.0	4.1	57.8	0.5	0.0	3.6	58.2	58.8
Germany	356	1.9	22.1	35.1	28.0	2.0	11.0	35.1	1.2	0.3	9.4	37.1	33.4
Greece	484	7.5	39.2	25.1	17.4	6.2	4.7	25.1	0.2	0.8	3.7	22.6	27.3
Hong Kong	427	4.6	20.9	43.0	24.3	5.9	1.1	43.0	0.2	0.0	0.9	35.4	49.2
Hungary	377	3.2	20.0	38.9	24.9	2.4	10.7	38.9	0.0	0.8	9.9	34.0	43.5
Iceland	237	2.1	23.5	31.7	32.8	4.4	5.5	31.7	0.0	0.7	4.8	29.4	34.8
Iran, Islamic Rep.	465	4.5	32.1	24.6	27.8	7.1	4.0	24.6	1.5	0.1	2.4	27.6	22.7
Ireland	408	5.0	27.7	32.9	26.1	5.6	2.8	32.9	0.0	0.2	2.6	34.2	31.2
Israel	.	.	.	.	.	.	.	.	.	.	.	.	.
Japan	638	2.1	25.1	53.6	17.5	1.1	0.6	53.6	0.0	0.1	0.5	54.3	52.9
Korea	360	2.0	21.4	57.3	17.3	2.0	0.0	57.3	0.0	0.0	0.0	50.0	62.3
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	319	2.6	25.8	22.1	33.6	8.6	7.4	22.1	0.0	2.3	5.1	19.9	24.2
Lithuania	312	6.9	17.4	22.8	25.0	3.7	24.2	22.8	0.0	2.5	21.7	27.8	17.9
Netherlands	265	3.2	35.3	33.0	23.3	3.2	1.9	33.0	0.5	0.4	1.1	29.3	36.3
New Zealand	394	2.9	20.8	34.7	33.5	6.0	2.1	34.7	0.4	0.5	1.2	33.3	35.9
Norway	304	3.5	17.7	31.1	39.9	1.2	6.5	31.1	0.0	1.2	5.3	32.3	30.2
Philippines	721	7.4	13.2	29.8	33.1	12.1	4.4	29.8	3.2	0.4	0.8	28.5	31.4
Portugal	426	5.2	28.5	29.1	28.4	3.6	5.2	29.1	0.0	1.1	4.0	29.2	29.1
Romania	470	4.1	27.0	32.9	14.1	6.4	15.5	32.9	0.5	1.7	13.3	34.3	31.7
Russian Federation	514	3.8	25.7	27.1	20.0	5.7	17.7	27.1	0.1	2.1	15.5	26.5	27.8
Scotland	370	2.7	22.9	30.3	35.7	4.7	3.7	30.3	0.2	1.1	2.4	28.9	31.8
Singapore	449	2.8	16.9	49.8	24.5	3.6	2.4	49.8	0.0	0.7	1.7	47.4	51.9
Slovak Republic	440	4.0	28.8	34.5	24.7	2.2	5.7	34.5	0.0	0.7	5.0	30.6	38.4
Slovenia	372	2.4	20.6	38.2	31.2	1.0	6.6	38.2	1.3	0.0	5.4	37.0	39.4
South Africa	610	10.0	14.3	22.2	28.0	19.8	5.6	22.2	0.2	2.2	3.2	21.3	22.7
Spain	451	7.2	21.9	27.9	30.6	8.6	3.8	27.9	0.0	0.0	3.8	28.0	27.7
Sweden	362	3.2	20.3	41.0	29.4	3.5	2.5	41.0	0.3	0.2	2.0	38.8	42.6
Switzerland	518	3.2	20.5	39.0	26.4	2.9	7.9	39.0	0.8	0.6	6.6	37.7	40.6
Thailand	696	6.0	24.7	34.1	29.7	3.2	2.3	34.1	0.0	1.3	1.0	33.0	36.7
United States	480	5.3	23.2	27.5	32.9	9.5	1.6	27.5	0.0	0.4	1.3	27.4	27.6
INTERNATIONAL AVG	.	4.0	22.8	35.2	27.0	4.9	6.1	35.2	0.3	0.9	4.9	34.3	36.1

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: P10 KEY: B
 Identify equivalent algebraic expressions. (Algebra)
 Difficulty: 540

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	687	10.6	50.7	34.6	1.9	2.2	50.7	0.0	0.2	2.0	49.3	52.2
Austria	373	9.2	51.4	33.6	2.5	3.3	51.4	0.0	1.3	2.0	57.2	44.2
Belgium (Fl)	342	4.8	68.9	23.0	2.4	0.9	68.9	0.0	0.3	0.6	72.9	64.4
Belgium (Fr)	280	7.6	56.4	26.0	3.3	6.7	56.4	0.5	1.3	4.9	57.3	55.8
Bulgaria	240	7.7	69.5	14.1	2.3	6.5	69.5	0.7	3.1	2.7	71.8	66.8
Canada	1030	16.1	40.4	36.8	5.0	1.8	40.4	0.0	0.2	1.6	42.4	38.8
Colombia	333	20.0	18.7	47.7	2.6	11.0	18.7	0.0	7.9	3.0	15.7	21.8
Cyprus	337	13.0	42.8	37.9	2.9	3.5	42.8	0.7	1.0	1.8	36.5	48.5
Czech Republic	416	7.1	69.0	20.7	1.8	1.4	69.0	0.4	0.1	0.9	72.4	65.4
Denmark	269	15.3	31.3	36.8	4.6	12.0	31.3	0.0	1.6	10.3	31.6	31.7
England	221	18.1	46.5	28.1	4.2	3.1	46.5	0.0	0.0	3.1	46.6	46.4
France	371	7.5	53.3	32.7	2.4	4.2	53.3	0.9	0.0	3.3	49.4	56.9
Germany	356	17.1	43.2	23.1	3.5	13.2	43.2	1.3	0.3	11.6	40.2	45.2
Greece	484	11.5	39.7	42.9	1.9	4.0	39.7	0.6	0.8	2.6	38.8	40.6
Hong Kong	427	4.6	72.5	19.5	2.9	0.5	72.5	0.0	0.0	0.5	71.2	73.5
Hungary	377	6.1	61.3	24.4	3.6	4.6	61.3	0.0	1.1	3.5	58.2	64.2
Iceland	237	23.0	34.9	27.7	6.9	7.5	34.9	0.0	1.3	6.2	34.7	35.1
Iran, Islamic Rep.	465	27.1	30.9	29.9	7.7	4.4	30.9	0.8	0.1	3.5	31.8	30.1
Ireland	408	6.5	39.4	48.4	2.8	2.8	39.4	0.7	0.2	1.9	37.9	41.4
Israel	.	.	.	.	.	.	.	.	.	.	.	.
Japan	638	7.1	60.5	27.9	3.5	1.0	60.5	0.1	0.2	0.6	56.9	63.7
Korea	360	9.4	56.2	29.6	4.7	0.0	56.2	0.0	0.0	0.0	54.9	57.1
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	319	7.0	48.6	37.0	2.0	5.3	48.6	0.0	2.3	3.1	46.8	50.6
Lithuania	312	10.5	47.7	24.4	4.1	13.3	47.7	0.2	2.8	10.3	54.7	41.1
Netherlands	265	17.2	33.1	41.6	5.6	2.6	33.1	0.0	0.4	2.2	29.3	36.4
New Zealand	394	17.6	39.6	36.5	4.4	2.0	39.6	0.0	0.5	1.5	38.3	40.6
Norway	304	26.5	41.8	21.8	4.2	5.7	41.8	0.0	1.2	4.5	36.0	46.6
Philippines	721	32.2	27.6	26.8	12.5	1.0	27.6	0.0	0.6	0.4	31.0	23.6
Portugal	426	18.5	25.9	46.4	4.2	5.0	25.9	0.0	1.1	3.8	26.0	25.9
Romania	470	9.8	56.7	21.3	2.6	9.7	56.7	2.7	2.5	4.5	57.4	56.0
Russian Federation	514	7.8	61.4	26.1	1.2	3.6	61.4	0.3	2.1	1.2	67.2	55.0
Scotland	370	13.1	53.3	24.1	4.8	4.7	53.3	0.2	1.5	3.0	51.9	54.5
Singapore	449	4.6	77.4	12.0	4.2	1.7	77.4	0.0	0.9	0.8	73.1	81.3
Slovak Republic	440	10.0	62.7	23.2	2.2	1.9	62.7	0.2	1.0	0.7	61.0	64.4
Slovenia	372	7.2	54.5	34.3	2.4	1.6	54.5	0.8	0.0	0.7	59.0	50.4
South Africa	610	19.1	24.9	39.7	11.6	4.6	24.9	0.1	2.5	2.0	25.0	24.1
Spain	451	11.7	42.5	42.4	1.5	1.9	42.5	0.0	0.2	1.7	41.5	43.3
Sweden	362	18.6	37.2	32.7	8.6	2.9	37.2	0.3	0.2	2.4	35.7	38.3
Switzerland	518	15.9	38.1	33.6	4.6	7.8	38.1	0.9	0.9	6.1	37.9	38.3
Thailand	696	10.3	39.9	44.1	4.0	1.7	39.9	0.0	1.3	0.4	42.2	37.2
United States	480	14.1	39.9	40.2	4.4	1.4	39.9	0.0	0.5	0.9	39.5	40.2
INTERNATIONAL AVG	.	13.0	47.3	31.3	4.1	4.3	47.3	0.3	1.1	2.9	47.0	47.3

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: P11 KEY: B
 Use ruler to determine approximate length of pencil. (Measurement)
 Difficulty: 541

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	687	25.0	49.4	13.6	11.8	0.2	49.4	0.0	0.2	0.0	47.7	51.2
Austria	373	17.1	66.5	6.4	7.7	2.4	66.5	0.0	1.3	1.1	61.4	69.9
Belgium (Fl)	342	16.3	72.0	5.5	5.6	0.5	72.0	0.0	0.5	0.0	71.5	72.6
Belgium (Fr)	280	30.2	45.0	11.2	11.4	2.1	45.0	0.0	1.3	0.9	39.4	51.2
Bulgaria	240	32.5	42.8	11.1	7.6	6.1	42.8	0.0	3.5	2.5	41.8	44.1
Canada	1030	23.0	50.3	13.5	12.5	0.7	50.3	0.3	0.2	0.2	54.9	46.0
Colombia	333	29.4	29.6	18.1	12.9	10.0	29.6	0.1	7.9	2.0	30.8	28.1
Cyprus	337	35.6	34.6	19.9	8.0	1.9	34.6	0.3	1.0	0.6	30.9	37.9
Czech Republic	417	25.0	63.4	6.1	5.0	0.4	63.4	0.0	0.1	0.3	59.6	67.4
Denmark	269	17.7	49.0	15.1	13.1	5.0	49.0	0.2	1.6	3.2	47.5	49.7
England	221	21.9	44.4	16.6	17.1	0.0	44.4	0.0	0.0	0.0	40.6	47.4
France	371	23.5	55.3	10.7	9.3	1.3	55.3	0.0	0.0	1.3	56.1	56.7
Germany	356	13.3	70.1	9.2	6.5	0.9	70.1	0.3	0.3	0.3	69.4	72.4
Greece	484	34.6	28.3	19.8	14.2	3.0	28.3	0.4	0.8	1.8	26.7	29.3
Hong Kong	427	14.0	58.9	12.2	14.9	0.0	58.9	0.0	0.0	0.0	59.2	58.7
Hungary	377	15.1	55.7	13.8	11.6	3.8	55.7	0.0	1.6	2.2	51.1	60.1
Iceland	237	31.8	27.0	23.5	13.9	3.8	27.0	1.2	1.3	1.4	26.0	28.4
Iran, Islamic Rep.	465	29.3	34.1	22.0	13.5	1.1	34.1	0.0	0.1	1.0	27.0	38.6
Ireland	408	23.8	40.4	20.9	14.5	0.4	40.4	0.2	0.2	0.0	35.8	46.2
Israel	.	.	.	.	.	.	.	.	.	.	.	.
Japan	638	28.3	52.3	8.1	10.4	0.8	52.3	0.0	0.5	0.3	52.5	52.2
Korea	360	17.6	56.4	12.7	13.3	0.0	56.4	0.0	0.0	0.0	48.9	61.5
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	319	21.9	55.7	11.2	7.7	3.5	55.7	0.0	2.3	1.2	51.7	59.8
Lithuania	312	23.8	36.7	15.5	15.5	8.6	36.7	0.0	2.8	5.8	38.7	34.7
Netherlands	265	15.4	68.3	5.7	9.9	0.8	68.3	0.0	0.4	0.4	66.9	70.1
New Zealand	394	23.0	47.6	14.1	14.6	0.7	47.6	0.0	0.5	0.2	43.8	50.8
Norway	304	25.6	52.2	10.9	8.9	2.4	52.2	0.0	1.2	1.2	43.9	59.1
Philippines	721	25.5	32.6	21.5	19.6	0.8	32.6	0.0	0.6	0.3	31.8	33.5
Portugal	426	23.7	37.1	21.0	15.9	2.2	37.1	0.0	1.1	1.1	36.4	37.8
Romania	470	31.3	39.6	13.2	9.4	6.5	39.6	0.6	2.5	3.5	40.9	38.5
Russian Federation	514	27.5	51.5	7.9	10.0	3.1	51.5	0.0	2.4	0.8	53.8	48.8
Scotland	370	29.4	39.3	15.6	13.3	2.3	39.3	0.0	1.5	0.8	38.5	40.5
Singapore	449	17.0	62.2	9.4	10.2	1.1	62.2	0.0	0.9	0.2	58.0	66.0
Slovak Republic	440	26.4	54.6	7.1	9.6	2.3	54.6	0.0	1.0	1.2	49.6	59.6
Slovenia	372	17.7	59.8	11.0	10.3	1.3	59.8	0.0	0.0	1.3	57.7	61.7
South Africa	610	32.3	20.3	30.2	12.1	5.1	20.3	0.3	2.6	2.2	21.0	19.9
Spain	451	28.5	43.4	15.0	12.0	1.1	43.4	0.0	0.4	0.7	39.3	47.0
Sweden	362	22.9	60.8	8.8	6.7	0.8	60.8	0.0	0.5	0.3	60.7	60.9
Switzerland	518	14.4	70.2	5.1	8.7	1.5	70.2	0.4	0.9	0.3	68.8	71.9
Thailand	696	28.7	49.5	12.3	7.7	1.8	49.5	0.0	1.3	0.4	47.4	53.3
United States	480	22.8	45.7	15.0	15.7	0.8	45.7	0.0	0.5	0.3	42.5	49.3
INTERNATIONAL AVG	.	24.1	48.8	13.5	11.3	2.3	48.8	0.1	1.1	1.0	46.8	50.8

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: P12 KEY: C
 Solve word problem: identify best estimate of 84 x 57. (Fractions and number sense)
 Difficulty: 463

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	687	4.1	10.2	73.5	10.5	1.7	73.5	0.0	0.2	1.5	80.7	66.1
Austria	373	3.6	11.7	72.9	7.7	4.0	72.9	0.0	1.3	2.7	72.5	73.3
Belgium (Fl)	342	1.9	7.3	83.9	4.9	2.1	83.9	0.0	0.5	1.5	87.1	80.3
Belgium (Fr)	280	4.0	13.1	67.3	12.0	3.6	67.3	0.0	1.3	2.4	64.5	71.0
Bulgaria	240	5.8	16.3	58.7	7.8	11.4	58.7	0.0	3.8	7.6	62.4	54.4
Canada	1030	5.1	5.6	81.3	7.0	0.9	81.3	0.0	0.2	0.7	84.3	78.2
Colombia	333	9.9	17.8	40.9	16.3	15.1	40.9	0.0	8.5	6.6	43.2	38.6
Cyprus	337	7.7	22.0	56.9	10.5	2.8	56.9	0.0	1.0	1.8	54.1	59.5
Czech Republic	417	2.5	7.3	83.4	4.3	2.6	83.4	0.0	0.2	2.3	83.5	83.3
Denmark	269	7.9	10.4	58.6	11.8	11.2	58.6	0.0	1.6	9.6	56.6	61.8
England	221	5.6	13.8	63.4	16.7	0.4	63.4	0.0	0.0	0.4	60.4	65.8
France	371	5.4	16.6	64.9	10.6	2.5	64.9	0.2	0.0	2.3	66.3	65.5
Germany	356	5.1	14.7	63.9	9.8	6.5	63.9	0.3	0.3	5.9	57.2	71.6
Greece	484	7.5	16.5	58.7	13.7	3.7	58.7	0.0	0.8	3.0	59.5	58.2
Hong Kong	427	4.9	9.2	80.7	4.8	0.5	80.7	0.0	0.0	0.5	81.3	80.1
Hungary	377	3.2	11.9	71.5	5.9	7.5	71.5	0.0	2.4	5.1	71.4	71.6
Iceland	237	7.3	13.4	70.4	6.4	2.6	70.4	0.0	1.3	1.3	74.7	64.4
Iran, Islamic Rep.	465	12.8	18.4	37.9	23.0	7.9	37.9	0.0	0.3	7.6	35.8	38.9
Ireland	408	2.9	8.0	75.4	11.9	1.8	75.4	0.4	0.2	1.1	72.6	79.1
Israel	.	.	.	.	.	.	.	.	.	.	.	.
Japan	638	1.0	6.8	83.0	8.1	1.2	83.0	0.0	0.5	0.7	82.6	83.3
Korea	360	1.9	5.7	81.4	10.5	0.6	81.4	0.0	0.0	0.6	77.8	83.8
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	319	7.4	17.3	49.4	15.7	10.1	49.4	0.0	2.9	7.3	50.8	48.0
Lithuania	312	6.4	13.9	50.5	10.9	18.2	50.5	0.0	3.1	15.1	52.9	48.2
Netherlands	265	1.7	9.8	77.1	9.6	1.8	77.1	0.0	0.4	1.4	78.1	76.0
New Zealand	394	6.0	12.8	57.9	22.3	1.0	57.9	0.0	0.7	0.3	57.1	58.6
Norway	304	11.3	19.8	56.3	9.5	3.0	56.3	0.0	1.2	1.8	55.2	57.2
Philippines	721	19.1	15.1	49.2	15.4	1.1	49.2	0.0	0.6	0.6	51.0	47.1
Portugal	426	6.9	22.3	54.0	12.3	4.4	54.0	0.0	1.1	3.3	54.1	54.0
Romania	469	7.3	12.4	57.1	10.5	12.7	57.1	1.1	3.1	8.5	58.3	56.0
Russian Federation	514	4.1	11.4	63.7	12.6	8.1	63.7	0.2	2.4	5.5	63.3	64.2
Scotland	370	6.4	12.0	67.7	10.2	3.7	67.7	0.2	1.5	2.0	68.2	67.0
Singapore	449	1.0	4.3	91.0	2.5	1.1	91.0	0.0	0.9	0.2	91.0	90.9
Slovak Republic	440	4.8	10.5	73.6	7.7	3.5	73.6	0.0	1.0	2.4	70.4	76.6
Slovenia	372	4.6	7.0	74.4	10.7	3.4	74.4	0.0	0.2	3.1	70.1	78.4
South Africa	610	19.1	18.2	34.5	21.9	6.2	34.5	0.1	2.8	3.3	34.5	34.4
Spain	451	9.0	14.2	53.2	17.6	6.0	53.2	0.0	0.4	5.6	49.4	56.5
Sweden	362	5.9	17.5	64.0	10.7	1.9	64.0	0.3	0.5	1.0	63.5	64.3
Switzerland	518	3.5	11.1	74.0	7.4	4.0	74.0	0.3	0.9	2.9	72.3	76.0
Thailand	696	7.7	9.1	70.3	10.8	2.2	70.3	0.0	1.3	0.9	69.1	71.5
United States	480	4.1	7.5	77.3	9.7	1.4	77.3	0.0	0.5	0.9	79.2	75.2
INTERNATIONAL AVG	.	6.2	12.6	65.6	11.1	4.6	65.6	0.1	1.3	3.3	65.4	65.7

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: P13 KEY: C
 Use heart beats/min to find beats per hour. (Fractions and number sense)
 Difficulty: 479

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	687	8.5	23.8	59.2	5.3	3.2	59.2	0.0	0.4	2.8	63.7	54.6
Austria	373	6.5	11.5	71.4	7.5	3.1	71.4	0.0	1.3	1.8	75.2	69.2
Belgium (Fl)	342	1.8	7.1	85.6	4.3	1.2	85.6	0.0	0.8	0.4	87.1	84.1
Belgium (Fr)	280	5.3	12.9	69.2	9.3	3.3	69.2	0.0	1.3	2.0	71.8	66.5
Bulgaria	240	9.1	11.9	63.4	8.0	7.6	63.4	0.0	3.8	3.8	67.5	58.6
Canada	1030	6.1	21.2	63.8	5.8	3.1	63.8	0.1	0.2	2.9	64.5	62.9
Colombia	333	15.2	19.5	36.1	14.8	14.4	36.1	0.0	9.2	5.3	34.6	37.0
Cyprus	337	12.9	21.3	53.4	10.1	2.3	53.4	0.0	1.0	1.4	53.4	53.4
Czech Republic	417	4.7	7.3	80.2	5.4	2.3	80.2	0.1	0.2	2.0	79.1	81.4
Denmark	269	5.6	20.7	59.4	7.1	7.1	59.4	0.2	2.8	4.1	57.6	61.1
England	221	16.0	34.8	42.4	5.7	1.1	42.4	0.0	0.0	1.1	40.3	44.0
France	371	5.6	12.2	68.9	9.9	3.3	68.9	0.0	0.0	3.3	69.3	69.3
Germany	356	8.6	18.3	62.6	8.4	2.1	62.6	0.0	0.8	1.3	59.8	66.1
Greece	484	11.9	13.5	57.1	13.9	3.6	57.1	0.2	0.8	2.6	59.2	55.6
Hong Kong	427	7.3	18.1	70.0	4.2	0.4	70.0	0.0	0.0	0.4	68.9	70.8
Hungary	377	2.2	13.5	69.4	9.0	5.9	69.4	0.0	3.4	2.5	68.8	69.9
Iceland	237	11.6	24.1	50.2	10.0	4.1	50.2	0.0	1.3	2.8	53.1	46.1
Iran, Islamic Rep.	465	17.3	22.9	33.2	20.2	6.4	33.2	0.0	0.9	5.6	34.2	32.4
Ireland	408	7.6	19.0	61.8	7.2	4.5	61.8	1.4	0.7	2.4	58.8	65.5
Israel	.	.	.	.	.	.	.	.	.	.	.	.
Japan	638	2.5	18.1	76.5	2.0	1.0	76.5	0.0	0.5	0.5	73.9	78.8
Korea	360	2.6	16.5	77.5	3.1	0.3	77.5	0.0	0.0	0.3	76.5	78.2
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	319	5.6	22.6	56.9	9.1	5.8	56.9	0.0	3.2	2.6	59.9	53.7
Lithuania	312	5.7	14.9	58.1	8.4	12.9	58.1	0.0	3.9	9.1	62.2	54.2
Netherlands	265	4.3	14.0	72.0	8.6	1.2	72.0	0.0	0.4	0.8	73.1	71.3
New Zealand	394	13.5	22.3	53.9	9.1	1.1	53.9	0.0	0.7	0.5	53.5	54.3
Norway	304	5.6	24.1	60.3	5.2	4.9	60.3	0.0	1.5	3.4	56.3	63.6
Philippines	721	16.6	21.2	42.6	18.6	1.0	42.6	0.0	0.7	0.3	44.1	40.8
Portugal	426	13.6	21.1	47.0	14.6	3.6	47.0	0.0	1.1	2.5	48.4	45.6
Romania	470	11.8	11.4	56.4	7.8	12.5	56.4	0.4	3.2	8.9	58.7	54.4
Russian Federation	514	5.2	12.8	67.7	9.1	5.2	67.7	0.2	2.7	2.2	70.9	64.3
Scotland	370	12.9	28.7	45.0	9.4	3.9	45.0	0.2	1.8	1.9	48.2	42.1
Singapore	449	3.5	7.0	84.9	3.3	1.3	84.9	0.0	0.9	0.4	83.0	86.7
Slovak Republic	440	4.2	11.3	72.2	5.4	6.9	72.2	2.3	1.5	3.1	73.1	71.4
Slovenia	372	5.5	11.4	73.5	7.3	2.3	73.5	0.0	0.2	2.1	72.8	74.1
South Africa	610	12.4	16.8	27.8	35.7	7.2	27.8	0.0	3.1	4.2	27.3	28.6
Spain	451	5.7	13.6	66.4	10.9	3.3	66.4	0.0	0.7	2.7	63.8	68.7
Sweden	362	8.4	22.9	60.1	7.3	1.3	60.1	0.2	0.5	0.6	59.8	60.4
Switzerland	518	4.0	13.5	73.2	6.8	2.5	73.2	0.0	1.3	1.2	68.8	78.4
Thailand	696	5.5	14.3	66.5	10.6	3.0	66.5	0.0	1.3	1.7	66.6	65.5
United States	480	7.9	20.4	61.3	8.1	2.3	61.3	0.0	0.5	1.8	68.3	53.4
INTERNATIONAL AVG	.	8.0	17.3	61.4	9.2	4.1	61.4	0.1	1.5	2.5	61.9	60.9

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: P14 KEY: D
 Solve subtraction word problem: common fractions. (Fractions and number sense)
 Difficulty: 422

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	687	3.6	6.0	6.6	82.0	1.9	82.0	0.0	0.4	1.5	88.3	75.5
Austria	373	3.0	5.8	4.3	84.9	2.1	84.9	0.0	1.3	0.8	86.4	84.8
Belgium (Fl)	342	1.2	1.6	3.6	91.9	1.7	91.9	0.0	0.8	0.8	91.9	91.9
Belgium (Fr)	280	5.9	4.3	1.7	85.9	2.3	85.9	0.0	1.3	1.0	80.4	92.1
Bulgaria	240	7.2	10.6	6.4	67.7	8.1	67.7	0.0	3.8	4.3	70.6	64.3
Canada	1030	8.1	7.7	4.5	78.7	1.0	78.7	0.0	0.2	0.8	82.8	74.5
Colombia	333	9.7	16.4	7.5	50.1	16.4	50.1	0.0	11.7	4.8	52.0	48.6
Cyprus	337	10.7	12.3	8.1	66.7	2.1	66.7	0.0	1.2	0.9	66.8	66.6
Czech Republic	417	4.0	5.3	7.2	81.9	1.7	81.9	0.0	0.4	1.3	82.3	81.5
Denmark	269	5.0	6.6	4.9	75.4	8.2	75.4	0.0	3.1	5.0	76.3	74.6
England	221	2.6	8.9	3.3	85.3	0.0	85.3	0.0	0.0	0.0	86.0	84.7
France	371	9.1	7.2	11.9	68.3	3.6	68.3	0.0	0.0	3.6	69.1	68.4
Germany	356	3.9	5.3	4.4	82.7	3.7	82.7	0.5	0.8	2.4	86.0	80.1
Greece	484	9.2	13.7	13.7	60.6	2.8	60.6	0.0	1.0	1.8	62.2	59.6
Hong Kong	427	2.7	5.9	8.4	81.6	1.4	81.6	0.0	0.0	1.4	79.7	83.2
Hungary	377	7.6	9.5	8.5	67.3	7.1	67.3	0.0	3.4	3.7	68.4	66.1
Iceland	237	5.4	6.5	5.7	80.5	1.9	80.5	0.0	1.7	0.2	83.6	76.3
Iran, Islamic Rep.	465	20.5	12.3	17.0	46.6	3.7	46.6	0.2	0.9	2.6	40.7	50.8
Ireland	408	2.7	3.9	5.1	86.4	1.9	86.4	0.2	1.2	0.5	87.7	84.6
Israel	.	.	.	.	.	.	.	.	.	.	.	.
Japan	638	2.8	6.0	5.7	84.9	0.6	84.9	0.0	0.5	0.1	86.6	83.4
Korea	360	7.6	8.6	12.4	70.9	0.5	70.9	0.0	0.0	0.5	73.3	69.2
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	319	11.0	7.1	5.3	71.5	5.1	71.5	0.0	3.8	1.3	74.2	68.7
Lithuania	310	10.3	13.7	3.1	55.4	17.6	55.4	0.3	4.2	13.0	60.3	50.6
Netherlands	265	2.2	3.7	2.4	91.3	0.4	91.3	0.0	0.4	0.0	92.9	89.7
New Zealand	394	3.7	7.6	5.5	82.2	1.0	82.2	0.0	0.7	0.3	87.9	77.6
Norway	304	12.7	7.2	12.1	65.5	2.5	65.5	0.0	1.7	0.7	68.8	62.8
Philippines	721	20.9	16.2	9.6	52.1	1.1	52.1	0.0	0.7	0.4	51.3	53.2
Portugal	426	16.8	21.7	13.1	45.9	2.5	45.9	0.0	1.1	1.4	43.7	48.1
Romania	470	9.2	12.7	5.3	61.7	11.0	61.7	0.3	3.5	7.2	63.2	60.4
Russian Federation	514	11.1	13.1	4.4	63.9	7.6	63.9	0.2	2.7	4.7	69.4	57.7
Scotland	370	2.6	6.1	8.3	80.2	2.9	80.2	0.0	2.4	0.4	82.9	77.2
Singapore	449	1.4	3.8	5.7	88.1	0.9	88.1	0.0	0.9	0.0	85.3	90.7
Slovak Republic	440	7.2	5.2	5.7	78.0	3.9	78.0	0.2	1.5	2.3	76.7	79.3
Slovenia	372	6.8	6.9	6.6	77.0	2.7	77.0	0.6	0.2	1.9	79.2	74.9
South Africa	610	21.8	17.8	15.0	39.7	5.8	39.7	0.6	3.3	1.8	43.4	36.0
Spain	451	11.2	17.0	10.8	57.6	3.5	57.6	0.0	0.7	2.8	55.7	59.3
Sweden	361	9.3	5.8	9.0	75.4	0.5	75.4	0.0	0.5	0.0	77.4	73.9
Switzerland	518	2.9	3.6	6.5	84.5	2.4	84.5	0.2	1.4	0.9	84.8	84.2
Thailand	696	9.7	14.1	10.7	63.5	2.0	63.5	0.0	1.3	0.6	62.5	65.0
United States	480	7.2	6.7	8.9	75.9	1.2	75.9	0.0	0.5	0.7	80.0	71.3
INTERNATIONAL AVG	.	7.8	8.9	7.5	72.2	3.7	72.2	0.1	1.6	2.0	73.5	71.0

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: P15 KEY: B
 Identify equivalent expression for a cubic relationship. (Algebra)
 Difficulty: 500

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	687	20.0	62.9	9.9	5.1	2.3	62.9	0.0	0.8	1.4	68.9	56.6
Austria	373	16.6	67.9	3.8	7.9	3.9	67.9	0.0	1.5	2.4	67.2	68.5
Belgium (Fl)	342	16.3	75.4	4.4	1.7	2.1	75.4	0.0	1.1	1.0	79.9	70.5
Belgium (Fr)	280	13.8	75.8	2.8	3.1	4.5	75.8	1.1	1.3	2.1	70.9	80.3
Bulgaria	240	6.2	73.7	3.5	9.9	6.7	73.7	0.6	4.7	1.4	74.7	72.4
Canada	1030	22.5	59.3	10.1	6.1	2.0	59.3	0.1	1.0	0.9	63.3	55.1
Colombia	333	33.1	35.8	9.1	6.6	15.4	35.8	0.0	13.7	1.7	38.1	33.9
Cyprus	337	23.4	61.5	7.5	5.3	2.3	61.5	0.4	1.3	0.5	65.8	57.6
Czech Republic	417	14.6	73.0	5.1	4.1	3.3	73.0	1.8	0.8	0.6	77.6	68.1
Denmark	269	15.9	59.9	10.0	2.8	11.3	59.9	1.1	3.5	6.7	59.0	60.9
England	221	20.7	42.0	24.0	11.9	1.3	42.0	0.0	0.0	1.3	39.8	43.8
France	371	45.8	16.7	19.5	12.0	6.0	16.7	1.3	0.0	4.6	15.0	19.6
Germany	356	14.4	59.5	12.1	4.7	9.3	59.5	1.7	0.8	6.7	58.4	60.9
Greece	484	30.5	47.9	15.8	3.4	2.4	47.9	0.2	1.1	1.1	53.5	42.7
Hong Kong	427	12.9	79.4	2.3	4.0	1.4	79.4	0.0	0.7	0.7	82.8	76.7
Hungary	377	22.1	57.6	7.5	6.9	5.8	57.6	0.0	4.4	1.4	54.1	61.0
Iceland	237	37.8	17.6	21.1	16.2	7.3	17.6	0.4	1.7	5.2	19.5	14.9
Iran, Islamic Rep.	465	19.8	36.7	17.0	23.5	3.0	36.7	0.8	1.2	1.0	40.4	34.1
Ireland	408	24.0	62.1	7.0	5.4	1.5	62.1	0.0	1.2	0.3	62.3	61.8
Israel	.	.	.	.	.	.	.	.	.	.	.	.
Japan	638	11.0	85.8	1.4	0.7	1.1	85.8	0.5	0.5	0.1	84.0	87.5
Korea	360	13.6	82.0	3.7	0.6	0.0	82.0	0.0	0.0	0.0	84.5	80.3
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	319	20.4	52.2	4.4	16.3	6.7	52.2	0.0	3.8	2.9	49.0	55.5
Lithuania	310	19.0	36.4	8.7	22.2	13.7	36.4	0.9	5.5	7.3	41.6	31.2
Netherlands	265	38.1	42.4	10.9	7.7	0.9	42.4	0.0	0.4	0.4	39.1	45.3
New Zealand	394	20.5	52.2	17.4	8.0	1.8	52.2	0.0	1.0	0.8	57.1	48.3
Norway	304	33.8	27.9	13.3	19.5	5.5	27.9	0.0	1.7	3.8	25.4	30.0
Philippines	721	26.4	43.8	21.4	6.7	1.8	43.8	0.0	0.8	1.0	46.2	41.1
Portugal	426	23.7	58.7	10.2	3.8	3.6	58.7	0.0	1.6	2.0	67.3	50.1
Romania	469	10.6	54.7	10.4	12.0	12.2	54.7	2.6	5.5	4.1	56.4	53.1
Russian Federation	514	14.8	69.6	1.8	8.8	5.0	69.6	0.7	3.7	0.6	71.6	67.4
Scotland	370	22.8	22.5	30.5	18.7	5.6	22.5	1.2	2.6	1.7	19.1	26.1
Singapore	449	9.4	84.0	2.6	3.0	1.1	84.0	0.0	0.9	0.1	81.6	86.1
Slovak Republic	440	14.4	70.9	7.3	5.2	2.2	70.9	0.0	1.8	0.4	73.5	68.2
Slovenia	372	14.3	74.1	2.8	6.0	2.8	74.1	1.5	0.8	0.5	71.8	76.2
South Africa	610	19.6	18.9	46.5	9.3	5.7	18.9	0.1	4.3	1.4	19.9	18.1
Spain	451	28.4	54.4	11.4	3.7	2.2	54.4	0.0	0.8	1.3	48.1	60.0
Sweden	361	19.3	28.7	32.1	17.9	2.1	28.7	0.0	0.5	1.5	35.5	23.7
Switzerland	518	20.9	49.5	14.0	9.3	6.3	49.5	0.9	1.7	3.8	53.0	45.2
Thailand	696	36.7	53.1	5.4	3.3	1.5	53.1	0.0	1.3	0.2	55.1	50.1
United States	480	22.3	65.9	6.9	2.8	2.2	65.9	0.1	1.2	0.8	66.9	64.7
INTERNATIONAL AVG	.	21.3	54.8	11.4	8.2	4.4	54.8	0.5	2.0	1.9	55.9	53.7

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: P16
 Reduce decimal to fraction in lowest terms. (Fractions and number sense)
 Difficulty: 637

COUNTRY	N	10	70	71	72	73	74	79	90	99	V1	NOT	1. GIRL	2. BOY	
												REACH			% Right	% Right
												ED			
Australia	687	32.8	11.1	2.3	2.4	7.8	1.4	20.3	5.0	16.8	32.8	0.8	16.0	34.0	31.6
Austria	373	38.0	5.4	2.8	2.5	3.1	1.0	20.6	4.1	22.5	38.0	1.5	21.0	39.5	34.8
Belgium (Fl)	342	61.4	15.8	1.9	2.8	0.8	0.7	11.5	0.3	4.8	61.4	1.1	3.7	62.4	60.3
Belgium (Fr)	280	33.6	0.0	0.0	0.0	0.0	0.0	48.5	0.0	17.9	33.6	1.3	16.7	32.2	35.2
Bulgaria	240	44.7	6.3	0.3	0.8	0.1	0.3	11.7	0.3	35.3	44.7	5.0	30.3	51.6	36.6
Canada	1030	42.5	8.3	1.3	2.1	4.0	0.8	24.3	2.5	14.3	42.5	1.0	13.3	46.9	38.5
Colombia	333	2.2	2.5	1.4	1.5	1.0	0.3	29.7	0.6	60.8	2.2	13.9	46.9	4.1	0.5
Cyprus	337	23.8	24.3	1.6	0.7	1.4	0.0	16.7	0.4	30.9	23.8	1.6	29.3	21.7	25.8
Czech Republic	417	29.4	37.3	4.6	6.4	3.1	2.2	9.5	0.4	7.2	29.4	1.2	5.9	31.9	26.7
Denmark	269	6.8	3.3	0.5	3.9	4.2	0.4	19.3	0.6	60.9	6.8	4.2	56.8	6.9	7.1
England	221	11.6	1.1	2.8	8.5	18.9	0.4	29.0	7.5	20.1	11.6	0.0	20.1	14.0	9.8
France	371	10.2	15.4	2.6	3.6	4.8	1.2	21.9	0.9	39.6	10.2	0.0	39.6	10.2	10.2
Germany	352	36.8	6.6	6.0	2.6	4.0	2.5	12.5	1.0	28.1	36.8	0.8	27.3	39.0	35.6
Greece	484	15.6	21.6	8.0	2.3	1.5	2.0	19.8	2.6	26.7	15.6	1.3	25.4	18.1	13.5
Hong Kong	427	67.5	4.9	0.9	0.2	0.3	0.9	18.8	0.7	5.8	67.5	0.7	5.1	66.3	68.5
Hungary	377	35.0	14.7	1.2	2.5	8.2	0.6	12.8	0.9	24.0	35.0	4.4	19.7	36.2	34.0
Iceland	237	0.6	3.5	1.2	7.8	10.6	2.0	40.6	3.7	30.1	0.6	2.3	27.8	.	1.5
Iran, Islamic Rep.	465	47.5	16.0	0.3	0.0	0.0	1.0	18.6	0.2	16.3	47.5	1.2	15.1	54.7	42.7
Ireland	408	66.0	5.5	0.2	0.2	3.3	0.5	14.9	1.4	8.0	66.0	1.5	6.6	69.5	61.5
Israel	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Japan	638	60.9	19.5	1.4	1.1	1.6	1.0	10.3	0.5	3.7	60.9	0.5	3.3	62.9	59.2
Korea	360	58.9	18.7	0.6	1.1	0.3	0.0	12.6	7.1	0.8	58.9	0.0	0.8	62.1	56.8
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	319	23.3	16.5	2.5	2.5	0.5	0.3	20.8	2.4	31.2	23.3	4.3	26.9	23.1	23.4
Lithuania	312	14.1	12.2	1.1	3.7	0.9	0.4	14.0	2.5	51.0	14.1	7.3	43.7	15.7	12.6
Netherlands	265	30.0	3.7	1.1	7.4	6.5	0.7	27.6	11.6	11.3	30.0	0.4	10.9	30.0	30.3
New Zealand	393	13.4	9.7	3.5	3.7	15.5	2.2	29.3	0.5	22.1	13.4	1.0	21.2	10.1	16.1
Norway	304	4.4	5.4	2.7	9.0	11.3	1.2	19.4	11.0	35.8	4.4	2.0	33.8	2.1	6.3
Philippines	721	21.2	14.0	1.2	0.7	5.0	0.1	34.4	1.7	21.6	21.2	1.2	20.4	21.5	20.8
Portugal	426	3.6	11.2	13.5	3.2	1.9	2.2	19.1	4.0	41.3	3.6	1.6	39.7	4.5	2.7
Romania	470	28.3	16.5	4.7	3.1	0.5	0.2	11.4	0.2	35.0	28.3	6.4	28.6	32.1	24.8
Russian Federation	514	55.5	8.0	2.5	0.9	1.1	2.2	10.1	0.7	18.9	55.5	3.7	15.2	61.9	48.4
Scotland	370	10.2	2.2	1.2	5.2	18.3	0.6	32.5	4.3	25.5	10.2	2.9	22.6	11.6	8.7
Singapore	449	89.2	3.1	0.2	0.2	0.9	0.8	3.4	0.0	2.1	89.2	0.9	1.2	90.7	87.9
Slovak Republic	440	30.0	36.8	7.4	1.4	2.8	0.6	11.2	0.8	9.1	30.0	2.0	7.0	31.5	28.4
Slovenia	372	38.6	19.9	4.5	1.7	1.9	0.8	17.2	0.9	14.6	38.6	0.8	13.8	47.6	30.3
South Africa	610	6.6	13.2	1.0	3.0	3.7	1.6	43.6	0.3	27.1	6.6	4.6	22.5	5.6	7.6
Spain	451	4.3	12.8	3.3	9.9	3.1	7.0	16.6	0.0	43.0	4.3	1.0	42.0	4.0	4.6
Sweden	361	0.6	13.6	3.4	13.2	17.0	3.3	24.0	8.7	16.1	0.6	0.9	15.2	0.6	0.7
Switzerland	518	38.3	1.5	2.1	2.8	5.3	0.1	20.7	4.9	24.3	38.3	1.9	22.4	37.3	39.5
Thailand	696	34.5	10.5	2.1	1.7	4.2	1.8	28.5	0.4	16.3	34.5	1.3	15.0	39.2	28.4
United States	480	38.1	9.9	1.2	4.5	5.8	1.4	26.0	3.4	9.6	38.1	1.2	8.3	40.1	35.9
INTERNATIONAL AVG	.	30.3	11.6	2.5	3.3	4.6	1.2	20.8	2.5	23.3	30.3	2.2	21.0	32.7	28.7

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: P17 KEY: C
 Identify thermometer which shows temperature given in data table. (Data Rep., Analysis & Prob.)
 Difficulty: 374

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	687	1.9	22.5	71.7	1.5	2.4	71.7	0.0	1.6	0.8	75.1	68.2
Austria	373	0.4	1.8	93.2	1.1	3.5	93.2	0.0	3.2	0.3	95.2	91.2
Belgium (Fl)	342	0.6	1.4	95.5	0.7	1.9	95.5	0.0	1.6	0.3	96.1	94.8
Belgium (Fr)	280	1.1	2.3	92.2	1.7	2.7	92.2	0.0	1.6	1.1	91.9	92.3
Bulgaria	240	0.8	0.8	89.0	0.4	8.9	89.0	0.0	8.0	0.8	90.3	87.6
Canada	1030	2.0	13.8	81.8	1.2	1.2	81.8	0.0	1.0	0.1	82.1	81.8
Colombia	333	5.6	19.0	43.8	8.4	23.2	43.8	0.0	20.8	2.5	41.6	45.7
Cyprus	337	5.0	19.1	60.2	9.0	6.7	60.2	0.0	5.5	1.2	63.2	57.5
Czech Republic	417	0.0	0.8	96.1	1.0	2.2	96.1	0.6	1.6	0.0	96.0	96.2
Denmark	268	0.8	1.6	89.1	1.9	6.5	89.1	0.0	6.5	0.0	87.8	90.8
England	221	0.6	14.6	81.5	1.8	1.4	81.5	0.0	1.4	0.0	82.2	81.0
France	364	0.9	1.0	95.6	2.3	0.2	95.6	0.2	0.0	0.0	98.5	93.3
Germany	356	0.7	2.7	93.5	1.0	2.1	93.5	0.0	0.8	1.3	95.1	92.3
Greece	484	5.7	15.5	66.3	8.7	3.8	66.3	0.1	3.2	0.5	65.3	67.5
Hong Kong	426	2.2	22.7	71.7	1.2	2.2	71.7	0.0	1.2	1.0	75.5	68.7
Hungary	377	0.5	4.2	86.9	0.7	7.8	86.9	0.0	6.7	1.1	85.7	88.0
Iceland	237	7.8	12.3	68.8	2.8	8.3	68.8	0.0	4.8	3.4	69.9	67.4
Iran, Islamic Rep.	465	11.4	17.2	53.8	6.7	11.0	53.8	0.3	4.2	6.5	49.5	56.6
Ireland	408	1.9	12.8	79.8	2.9	2.5	79.8	0.3	1.7	0.6	80.2	79.3
Israel	.	.	.	.	.	.	.	.	.	.	.	.
Japan	638	0.4	22.1	76.3	0.2	1.0	76.3	0.0	0.7	0.3	80.8	72.2
Korea	360	1.0	16.3	80.5	1.6	0.6	80.5	0.0	0.0	0.6	84.0	78.1
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	319	2.2	2.1	81.2	3.6	11.0	81.2	0.0	8.9	2.1	84.1	78.1
Lithuania	312	1.8	2.3	75.0	6.6	14.4	75.0	0.0	11.9	2.5	77.9	72.1
Netherlands	264	0.4	3.5	93.5	1.1	1.5	93.5	0.0	0.9	0.6	94.1	92.8
New Zealand	394	2.8	19.3	73.3	1.4	3.1	73.3	0.2	2.2	0.7	77.5	69.8
Norway	304	1.9	1.5	90.4	2.2	3.9	90.4	0.0	3.9	0.0	94.8	86.8
Philippines	721	7.2	18.4	55.5	15.4	3.5	55.5	0.1	2.5	0.8	56.4	54.4
Portugal	426	1.8	3.3	87.3	4.7	3.0	87.3	0.0	2.8	0.2	85.8	88.9
Romania	469	4.0	3.6	64.5	9.1	18.7	64.5	0.6	13.4	4.6	64.3	64.8
Russian Federation	514	2.2	13.5	75.0	1.2	8.0	75.0	0.0	6.4	1.6	76.5	73.3
Scotland	370	2.4	15.3	77.3	1.2	3.7	77.3	0.0	3.1	0.6	78.8	75.7
Singapore	449	0.2	24.2	73.2	1.0	1.4	73.2	0.0	1.4	0.0	76.2	70.5
Slovak Republic	440	0.2	1.2	92.7	2.3	3.6	92.7	0.3	2.8	0.5	91.1	94.2
Slovenia	371	1.3	2.2	91.7	1.6	3.1	91.7	0.0	2.2	0.8	92.9	90.6
South Africa	610	18.8	14.0	28.9	22.0	16.4	28.9	0.2	10.5	5.6	27.4	30.7
Spain	451	0.2	9.4	83.0	3.5	4.0	83.0	0.0	3.0	1.0	82.7	83.2
Sweden	360	0.8	1.2	93.9	0.9	3.2	93.9	0.0	1.2	2.0	95.8	92.5
Switzerland	518	0.5	1.3	94.5	0.9	2.9	94.5	0.0	2.9	0.0	93.5	95.7
Thailand	696	2.0	3.2	88.9	1.9	4.0	88.9	0.0	2.6	1.4	89.4	87.7
United States	480	0.6	15.4	80.8	1.4	1.8	80.8	0.0	1.5	0.3	78.4	83.5
INTERNATIONAL AVG	.	2.6	9.5	79.2	3.5	5.3	79.2	0.1	4.0	1.2	80.1	78.4

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: Q01 KEY: E
 Identify linear expression based on word problem. (Algebra)
 Difficulty: 595

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	688	15.3	15.9	9.7	24.3	31.2	3.7	31.2	0.0	0.1	3.6	34.7	27.5
Austria	372	16.2	12.2	8.1	20.5	37.8	5.1	37.8	0.0	0.0	5.1	41.7	34.1
Belgium (Fl)	343	9.8	15.2	3.6	25.6	41.3	4.4	41.3	0.0	0.0	4.4	43.0	39.4
Belgium (Fr)	279	14.0	9.2	8.3	17.1	35.1	16.4	35.1	0.0	0.6	15.8	33.5	37.6
Bulgaria	240	11.6	5.5	5.2	10.3	64.1	3.1	64.1	0.0	0.0	3.1	65.5	62.4
Canada	1024	14.7	18.9	9.9	21.7	32.6	2.2	32.6	0.0	0.0	2.2	41.3	23.1
Colombia	335	20.7	14.0	8.7	17.4	22.6	16.5	22.6	0.0	7.4	9.1	23.9	21.4
Cyprus	338	16.4	15.7	6.6	22.6	34.0	4.7	34.0	0.0	0.0	4.7	32.7	35.0
Czech Republic	418	14.6	5.4	1.9	16.6	56.4	5.2	56.4	0.7	0.0	4.5	62.0	50.5
Denmark	273	14.4	16.3	9.7	14.3	15.9	29.5	15.9	0.0	2.0	27.4	15.4	17.1
England	221	20.1	14.7	13.8	23.9	25.1	2.4	25.1	0.0	0.0	2.4	29.9	21.5
France	375	16.4	9.9	7.1	21.3	38.8	6.6	38.8	0.0	0.3	6.2	41.9	36.1
Germany	356	14.6	13.2	8.2	15.0	26.9	22.1	26.9	0.2	0.2	21.7	27.0	27.7
Greece	484	16.1	13.3	9.0	22.3	29.3	9.9	29.3	0.0	0.3	9.6	31.4	27.6
Hong Kong	430	8.6	4.4	3.8	19.1	63.9	0.2	63.9	0.0	0.0	0.2	65.6	62.5
Hungary	377	9.4	12.2	5.7	22.6	40.5	9.6	40.5	0.0	0.4	9.2	42.3	38.7
Iceland	238	16.4	22.3	19.9	22.6	11.0	7.8	11.0	0.0	0.6	7.1	14.3	6.6
Iran, Islamic Rep.	465	20.6	15.6	10.1	20.6	28.7	4.4	28.7	0.0	0.1	4.4	29.0	28.9
Ireland	410	9.8	12.6	8.4	21.4	43.9	3.9	43.9	0.2	0.0	3.7	47.3	39.5
Israel	.	.	.	.	.	.	.	.	.	.	.	.	.
Japan	638	8.4	6.9	2.5	33.4	48.5	0.4	48.5	0.0	0.2	0.2	52.3	45.1
Korea	360	11.5	3.4	1.9	22.9	60.0	0.3	60.0	0.0	0.0	0.3	65.9	55.9
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	320	13.4	10.3	4.5	17.3	45.4	9.2	45.4	0.0	0.6	8.6	51.2	39.4
Lithuania	310	13.1	5.4	5.1	17.8	39.1	19.5	39.1	0.0	0.6	18.9	41.1	37.3
Netherlands	265	9.4	16.1	16.4	23.4	27.2	7.6	27.2	0.4	0.0	7.2	27.6	27.0
New Zealand	394	21.2	21.8	9.5	19.4	26.9	1.2	26.9	0.0	0.0	1.2	31.3	23.3
Norway	304	19.7	15.2	22.2	22.5	12.6	7.8	12.6	0.0	0.9	6.9	15.6	10.1
Philippines	723	38.0	17.0	3.9	12.7	27.8	0.6	27.8	0.0	0.0	0.6	27.7	27.9
Portugal	427	21.9	10.9	12.8	17.4	29.6	7.5	29.6	0.0	0.0	7.5	30.7	28.4
Romania	471	14.5	8.7	7.7	12.8	45.2	11.2	45.2	1.0	0.6	9.6	51.0	39.8
Russian Federation	514	14.8	5.8	6.7	14.3	53.8	4.6	53.8	0.0	0.3	4.3	56.4	50.9
Scotland	372	15.2	23.5	11.3	27.6	17.6	4.8	17.6	0.6	0.3	3.9	17.5	17.7
Singapore	449	4.0	2.2	0.5	14.4	78.1	0.9	78.1	0.0	0.0	0.9	81.5	75.1
Slovak Republic	440	15.6	6.6	3.2	13.9	54.3	6.4	54.3	0.4	0.0	6.0	58.3	50.3
Slovenia	369	15.8	10.2	5.3	17.5	42.8	8.4	42.8	0.0	0.0	8.4	42.9	42.8
South Africa	613	23.8	19.8	13.5	16.0	21.0	5.9	21.0	0.0	2.5	3.4	18.0	24.2
Spain	453	19.0	7.5	4.2	19.4	45.6	4.3	45.6	0.0	0.2	4.1	47.1	44.4
Sweden	360	16.1	25.4	13.7	24.6	15.6	4.6	15.6	0.0	1.0	3.7	15.6	15.6
Switzerland	519	14.4	8.9	17.1	19.1	27.8	12.8	27.8	0.0	1.0	11.7	27.3	28.3
Thailand	696	14.2	8.1	2.2	35.0	39.7	0.9	39.7	0.0	0.0	0.9	40.0	39.8
United States	482	13.6	14.2	8.4	23.0	39.0	1.8	39.0	0.6	0.2	1.1	40.9	36.7
INTERNATIONAL AVG	.	15.4	12.3	8.3	20.1	36.9	7.0	36.9	0.1	0.5	6.3	39.1	34.9

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: Q02 KEY: D
 Subtract fractional expressions of X. (Algebra)
 Difficulty: 568

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	688	19.7	16.3	14.5	39.5	6.7	3.4	39.5	0.0	0.1	3.3	43.8	35.1
Austria	372	9.5	12.1	14.4	54.7	4.7	4.7	54.7	0.0	0.0	4.7	56.5	54.8
Belgium (Fl)	343	19.5	10.7	6.0	57.2	3.8	2.8	57.2	0.0	0.0	2.8	58.3	56.0
Belgium (Fr)	279	16.0	17.4	5.9	40.3	6.4	14.0	40.3	0.0	1.0	12.9	36.0	44.7
Bulgaria	240	3.5	4.4	12.2	75.0	2.5	2.5	75.0	0.0	0.4	2.1	71.4	79.3
Canada	1024	20.9	13.8	8.9	42.9	9.5	4.1	42.9	0.0	0.0	4.1	43.7	42.6
Colombia	335	14.8	15.9	7.4	27.0	12.8	22.0	27.0	0.4	9.6	12.0	28.1	26.2
Cyprus	338	15.8	13.6	10.1	42.8	10.5	7.2	42.8	0.3	0.5	6.3	44.5	41.4
Czech Republic	418	11.1	13.3	27.0	43.3	2.6	2.7	43.3	0.3	0.4	2.0	43.5	43.2
Denmark	273	13.9	19.4	5.8	26.4	9.4	25.1	26.4	0.0	2.5	22.5	29.9	23.0
England	221	19.0	15.4	19.4	31.8	9.4	4.9	31.8	0.0	0.0	4.9	23.6	38.1
France	375	16.4	26.0	10.1	32.5	5.5	9.6	32.5	0.0	0.3	9.2	34.0	31.1
Germany	356	18.4	13.5	6.9	32.9	10.1	18.2	32.9	0.6	0.2	17.4	30.3	36.1
Greece	484	24.2	20.3	6.0	34.3	5.5	9.7	34.3	0.2	0.6	9.0	31.3	37.1
Hong Kong	430	6.7	6.1	8.9	76.2	1.9	0.2	76.2	0.0	0.0	0.2	74.3	77.8
Hungary	377	12.2	6.9	9.6	56.5	3.4	11.5	56.5	0.0	0.6	10.9	60.5	52.7
Iceland	239	36.3	18.0	5.7	24.4	4.7	10.9	24.4	0.0	0.6	10.3	23.4	25.6
Iran, Islamic Rep.	465	42.5	23.6	3.8	12.9	14.2	3.0	12.9	0.1	0.1	2.8	16.2	10.6
Ireland	410	14.3	25.2	19.5	31.2	8.1	1.7	31.2	0.0	0.0	1.7	30.5	32.1
Israel	.	.	.	.	.	.	.	.	.	.	.	.	.
Japan	638	13.0	8.2	11.9	63.9	2.1	0.9	63.9	0.1	0.2	0.5	61.9	65.7
Korea	360	9.8	20.6	12.9	51.1	5.0	0.7	51.1	0.0	0.0	0.7	51.0	51.1
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	320	18.1	7.2	9.6	54.5	2.9	7.7	54.5	0.0	1.0	6.7	54.5	54.4
Lithuania	310	19.0	8.9	10.9	40.3	6.6	14.3	40.3	0.3	1.2	12.9	45.2	35.6
Netherlands	265	23.8	13.5	5.7	31.2	16.6	9.2	31.2	0.4	0.4	8.4	28.5	34.2
New Zealand	394	27.4	16.3	11.4	30.2	12.8	1.8	30.2	0.0	0.0	1.8	33.4	27.6
Norway	304	31.3	10.0	6.3	30.1	10.4	12.0	30.1	0.0	0.9	11.0	23.9	35.2
Philippines	723	34.6	19.8	3.9	28.9	12.4	0.4	28.9	0.0	0.0	0.4	29.7	27.9
Portugal	427	26.6	9.7	5.4	32.7	18.2	7.5	32.7	0.0	0.3	7.2	32.5	32.8
Romania	471	10.6	7.9	10.5	58.0	5.5	7.4	58.0	0.9	0.6	5.9	60.5	55.7
Russian Federation	514	14.3	6.9	7.1	58.8	8.7	4.2	58.8	0.0	0.7	3.5	62.8	54.3
Scotland	372	19.8	16.1	14.5	25.6	16.8	7.2	25.6	0.3	0.6	6.4	22.8	28.6
Singapore	449	5.0	6.2	10.2	77.4	1.3	0.0	77.4	0.0	0.0	0.0	73.6	80.9
Slovak Republic	440	11.2	8.9	22.0	48.7	4.9	4.3	48.7	0.7	0.2	3.4	52.8	44.7
Slovenia	369	25.0	22.5	5.7	38.6	4.2	3.9	38.6	0.0	0.0	3.9	39.5	37.8
South Africa	613	19.9	17.0	11.8	29.5	15.2	6.6	29.5	0.1	2.5	4.0	29.0	30.7
Spain	453	25.6	16.7	10.5	28.0	12.3	6.9	28.0	0.0	0.4	6.5	27.9	28.1
Sweden	360	16.3	14.5	11.3	25.5	25.5	7.0	25.5	0.0	1.0	6.0	22.7	27.6
Switzerland	519	17.0	18.7	9.0	29.2	12.2	14.0	29.2	0.2	1.2	12.5	31.1	27.0
Thailand	696	16.2	39.9	10.0	26.6	4.9	2.5	26.6	0.0	0.0	2.5	28.7	23.8
United States	482	22.4	18.1	9.7	41.5	6.2	2.2	41.5	0.3	0.2	1.8	44.5	38.0
INTERNATIONAL AVG	.	18.5	15.0	10.3	40.8	8.4	7.0	40.8	0.1	0.7	6.1	40.9	40.7

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: Q03 KEY: B
 Use day/hours/minutes/seconds conversions to calculate longest time. (Measurement)
 Difficulty: 636

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	688	7.3	29.2	4.1	57.3	2.0	29.2	0.0	0.1	1.9	27.0	31.5
Austria	372	10.7	37.7	3.0	47.8	0.9	37.7	0.0	0.0	0.9	39.1	36.7
Belgium (Fl)	343	9.4	49.2	1.1	39.0	1.2	49.2	0.0	0.0	1.2	48.2	50.4
Belgium (Fr)	279	9.7	37.8	1.8	45.7	5.0	37.8	0.0	1.0	3.9	39.2	36.3
Bulgaria	240	3.1	51.4	3.2	37.6	4.7	51.4	0.0	0.7	4.0	52.2	50.6
Canada	1024	7.5	30.6	2.1	57.8	2.0	30.6	0.1	0.2	1.8	29.5	32.3
Colombia	335	12.8	19.4	7.2	46.8	13.7	19.4	0.0	10.6	3.1	16.2	22.3
Cyprus	338	13.9	15.8	6.3	61.1	2.9	15.8	0.0	0.5	2.4	10.1	21.1
Czech Republic	418	5.2	32.5	1.9	57.5	2.9	32.5	0.2	0.7	2.0	27.6	37.6
Denmark	273	6.1	24.8	3.4	58.7	7.0	24.8	0.0	2.5	4.5	21.4	28.9
England	221	9.4	19.9	1.6	66.0	3.1	19.9	0.0	0.0	3.1	13.6	24.6
France	375	11.2	32.7	2.1	52.3	1.7	32.7	0.0	0.3	1.3	26.1	38.6
Germany	356	9.3	25.5	2.7	59.8	2.7	25.5	0.2	0.2	2.3	19.7	30.6
Greece	484	13.3	21.4	4.3	57.3	3.7	21.4	0.0	0.6	3.1	19.3	23.3
Hong Kong	430	8.8	41.6	1.2	47.9	0.5	41.6	0.2	0.0	0.2	37.6	44.9
Hungary	377	7.9	39.6	2.1	46.7	3.8	39.6	0.0	1.1	2.7	39.4	39.7
Iceland	239	5.9	20.3	1.8	68.5	3.4	20.3	0.0	0.6	2.8	19.0	22.0
Iran, Islamic Rep.	465	10.6	20.7	3.4	64.1	1.1	20.7	0.0	0.1	0.9	17.6	22.5
Ireland	410	8.1	35.4	1.6	52.9	1.9	35.4	0.5	0.0	1.4	35.6	35.2
Israel	.	.	.	.	.	.	.	.	.	.	.	.
Japan	638	5.7	54.7	1.2	37.8	0.5	54.7	0.1	0.2	0.2	47.6	61.1
Korea	360	9.8	54.7	0.7	34.5	0.3	54.7	0.0	0.0	0.3	53.2	55.7
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	320	5.7	21.0	2.3	67.5	3.5	21.0	0.0	1.0	2.5	16.6	25.6
Lithuania	310	6.7	22.3	2.2	62.9	5.8	22.3	0.0	1.2	4.7	25.7	19.0
Netherlands	265	10.3	28.3	4.1	55.7	1.6	28.3	0.0	0.4	1.2	28.3	27.7
New Zealand	394	11.3	24.3	2.8	59.4	2.2	24.3	0.0	0.0	2.2	26.4	22.7
Norway	304	3.2	33.6	1.8	58.4	3.0	33.6	0.0	0.9	2.1	37.9	30.1
Philippines	723	16.3	22.1	13.4	46.6	1.5	22.1	0.0	0.0	1.5	22.1	22.2
Portugal	427	11.6	20.2	8.4	55.7	4.1	20.2	0.0	0.7	3.4	19.4	21.0
Romania	471	9.1	22.8	4.4	57.8	5.9	22.8	1.1	0.8	4.0	17.3	27.9
Russian Federation	515	8.5	25.7	4.5	58.6	2.7	25.7	0.3	0.7	1.7	25.8	25.6
Scotland	372	8.8	22.0	3.1	63.6	2.5	22.0	0.5	0.6	1.4	17.3	26.3
Singapore	449	4.5	54.7	1.2	39.6	0.1	54.7	0.0	0.0	0.1	52.9	56.4
Slovak Republic	440	5.8	29.4	1.0	61.1	2.6	29.4	0.2	0.5	2.0	22.9	35.9
Slovenia	369	8.4	35.7	4.0	49.8	2.2	35.7	0.0	0.0	2.2	27.9	42.8
South Africa	613	18.1	11.9	17.7	46.6	5.7	11.9	0.3	2.7	2.7	11.6	12.2
Spain	453	9.1	30.8	5.2	52.3	2.6	30.8	0.0	0.4	2.2	26.8	34.3
Sweden	360	12.8	30.2	1.6	53.4	2.0	30.2	0.3	1.0	0.7	30.5	29.9
Switzerland	519	9.5	33.8	0.7	52.2	3.9	33.8	0.4	1.2	2.2	30.9	37.2
Thailand	696	8.1	40.0	3.0	48.2	0.7	40.0	0.0	0.0	0.7	42.0	37.2
United States	482	6.8	34.6	5.7	50.8	2.2	34.6	0.0	0.2	2.1	35.4	33.6
INTERNATIONAL AVG	.	9.0	31.0	3.6	53.4	3.0	31.0	0.1	0.8	2.1	28.9	32.8

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: Q04 KEY: B
 Interpret data in bar graph. (Data Rep., Analysis & Prob.)
 Difficulty: 376

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	688	3.0	88.6	6.1	1.6	0.7	88.6	0.0	0.1	0.6	90.7	86.4
Austria	372	3.1	85.4	6.9	1.5	3.1	85.4	0.0	0.0	3.1	89.1	82.2
Belgium (Fl)	343	0.3	94.0	4.8	0.0	0.9	94.0	0.0	0.0	0.9	96.5	91.4
Belgium (Fr)	279	3.4	89.8	3.7	0.4	2.8	89.8	0.3	1.0	1.5	90.7	89.3
Bulgaria	240	4.3	84.1	6.3	4.3	1.0	84.1	0.0	0.7	0.3	87.5	80.1
Canada	1024	3.3	86.9	7.5	1.3	1.0	86.9	0.0	0.3	0.7	91.5	81.9
Colombia	335	12.0	50.8	12.5	9.8	14.9	50.8	0.4	10.9	3.7	49.0	52.5
Cyprus	338	12.0	68.2	12.5	5.6	1.7	68.2	0.0	0.5	1.2	73.5	63.5
Czech Republic	418	8.1	84.3	5.5	0.1	2.0	84.3	0.0	1.2	0.8	86.9	81.6
Denmark	273	2.7	84.6	7.8	1.8	3.1	84.6	0.0	2.5	0.6	88.6	83.7
England	221	2.4	90.2	6.7	0.0	0.7	90.2	0.0	0.7	0.0	90.7	89.8
France	375	4.1	87.7	5.1	1.2	1.8	87.7	0.0	0.3	1.5	88.3	88.0
Germany	356	5.5	83.2	7.1	3.2	0.9	83.2	0.5	0.2	0.2	83.3	83.7
Greece	484	13.5	67.6	9.3	7.1	2.6	67.6	0.0	0.6	2.0	71.5	64.5
Hong Kong	429	3.4	88.6	6.7	0.9	0.5	88.6	0.0	0.0	0.5	91.0	86.6
Hungary	377	5.7	83.1	5.7	1.8	3.7	83.1	0.0	1.1	2.5	83.6	82.7
Iceland	239	3.5	87.0	6.9	0.9	1.7	87.0	0.0	0.6	1.1	89.8	83.1
Iran, Islamic Rep.	464	11.4	75.2	8.1	4.2	1.1	75.2	0.0	0.1	1.0	76.9	74.0
Ireland	410	3.9	89.7	4.5	0.5	1.4	89.7	0.6	0.0	0.8	92.0	86.7
Israel	.	.	.	.	.	.	.	.	.	.	.	.
Japan	638	1.5	80.7	15.8	1.3	0.6	80.7	0.0	0.2	0.4	82.7	79.0
Korea	360	1.9	74.3	23.1	0.7	0.0	74.3	0.0	0.0	0.0	74.6	74.1
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	320	5.2	82.3	7.6	2.5	2.3	82.3	0.0	1.0	1.4	87.9	76.7
Lithuania	310	6.8	74.2	11.5	3.7	3.8	74.2	0.0	1.2	2.7	76.4	72.0
Netherlands	265	2.1	85.0	12.0	0.5	0.4	85.0	0.0	0.4	0.0	88.2	81.7
New Zealand	394	2.7	88.1	5.7	3.3	0.2	88.1	0.0	0.0	0.2	90.9	85.8
Norway	304	4.3	85.0	6.4	2.4	1.8	85.0	0.0	0.9	0.9	90.2	80.7
Philippines	723	16.5	53.1	12.4	17.4	0.6	53.1	0.1	0.0	0.4	55.6	50.2
Portugal	427	10.4	79.6	6.7	1.4	1.9	79.6	0.0	0.7	1.1	81.7	77.5
Romania	471	10.6	68.0	9.2	8.1	4.1	68.0	0.0	1.1	3.0	69.1	67.0
Russian Federation	515	5.1	81.0	9.6	1.7	2.6	81.0	0.0	0.7	1.8	86.4	75.0
Scotland	372	4.1	86.2	7.7	0.9	1.1	86.2	0.2	0.6	0.2	89.1	83.2
Singapore	449	0.7	94.4	4.7	0.2	0.0	94.4	0.0	0.0	0.0	93.7	95.0
Slovak Republic	439	11.6	81.0	4.5	1.5	1.4	81.0	0.2	0.5	0.7	83.7	78.4
Slovenia	369	6.4	86.7	4.6	1.1	1.3	86.7	0.3	0.0	1.0	87.9	85.6
South Africa	613	28.4	27.2	12.2	28.2	4.1	27.2	0.0	2.9	1.2	27.9	27.0
Spain	453	5.8	81.5	7.8	2.4	2.4	81.5	0.0	0.4	2.1	81.9	81.2
Sweden	360	2.6	89.4	5.6	0.8	1.5	89.4	0.0	1.0	0.6	91.8	87.6
Switzerland	519	2.9	90.5	3.9	0.0	2.7	90.5	0.0	1.2	1.5	90.7	90.2
Thailand	696	4.8	86.1	8.4	0.6	0.1	86.1	0.0	0.0	0.1	86.0	87.4
United States	482	4.2	87.9	6.6	1.0	0.4	87.9	0.0	0.2	0.3	89.7	85.7
INTERNATIONAL AVG	.	6.1	80.8	8.0	3.1	2.0	80.8	0.1	0.8	1.1	82.9	78.8

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: Q05 KEY: A
 Solve word problem involving ratios. (Proportionality)
 Difficulty: 487

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	688	70.7	9.5	7.7	10.7	1.4	70.7	0.0	0.1	1.3	74.6	66.7
Austria	372	68.9	6.4	9.0	14.7	1.1	68.9	0.0	0.0	1.1	68.5	70.4
Belgium (Fl)	343	85.2	2.2	4.0	7.3	1.4	85.2	0.0	0.0	1.4	86.8	83.4
Belgium (Fr)	279	73.5	7.4	5.1	9.7	4.3	73.5	0.0	1.2	3.1	71.6	75.6
Bulgaria	240	65.2	10.8	9.8	10.5	3.8	65.2	0.0	0.7	3.1	67.4	62.5
Canada	1024	67.7	5.1	10.9	15.5	0.8	67.7	0.0	0.3	0.5	68.2	66.9
Colombia	335	25.9	25.5	10.1	21.4	17.1	25.9	0.0	13.3	3.7	28.6	22.9
Cyprus	338	59.3	13.7	7.9	15.3	3.8	59.3	0.3	1.0	2.6	62.2	56.8
Czech Republic	418	59.9	6.8	10.2	18.9	4.1	59.9	0.3	2.0	1.8	58.2	61.6
Denmark	273	54.0	9.7	15.6	14.1	6.7	54.0	0.9	2.8	3.0	48.6	60.0
England	221	65.9	12.4	6.5	13.6	1.6	65.9	0.0	0.7	0.9	64.3	67.2
France	375	65.8	7.7	7.4	16.9	2.2	65.8	0.0	0.3	1.9	62.1	70.4
Germany	356	70.3	6.9	9.7	11.6	1.5	70.3	0.0	0.2	1.3	69.6	72.4
Greece	484	54.6	17.7	7.6	15.0	5.1	54.6	0.3	0.8	4.1	54.1	55.2
Hong Kong	429	79.2	4.0	6.8	9.5	0.5	79.2	0.0	0.0	0.5	73.7	83.7
Hungary	377	59.7	11.0	9.0	14.4	5.9	59.7	0.0	2.4	3.5	55.8	63.5
Iceland	239	69.8	10.6	7.4	9.8	2.4	69.8	0.0	0.6	1.8	65.2	76.0
Iran, Islamic Rep.	464	50.7	13.0	7.9	26.4	2.0	50.7	0.0	0.1	1.9	47.4	52.8
Ireland	410	70.8	5.5	4.1	18.0	1.5	70.8	0.3	0.0	1.2	69.9	72.0
Israel	.	.	.	.	.	.	.	.	.	.	.	.
Japan	638	76.2	4.4	11.2	7.9	0.4	76.2	0.0	0.2	0.2	72.9	79.1
Korea	360	77.9	3.9	11.1	7.0	0.0	77.9	0.0	0.0	0.0	70.1	83.3
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	320	44.3	10.3	13.4	27.0	5.1	44.3	0.0	1.5	3.6	40.3	48.3
Lithuania	309	43.9	8.9	10.0	26.4	10.8	43.9	0.0	2.1	8.7	46.4	41.6
Netherlands	265	85.0	5.1	3.7	5.3	0.8	85.0	0.0	0.4	0.4	82.8	87.1
New Zealand	394	68.6	12.4	8.3	9.9	0.8	68.6	0.0	0.0	0.8	73.2	64.8
Norway	304	70.5	3.0	13.2	10.7	2.7	70.5	0.0	0.9	1.8	70.6	70.3
Philippines	723	33.2	33.9	9.0	23.4	0.6	33.2	0.0	0.0	0.6	33.8	32.4
Portugal	427	38.5	19.5	10.0	28.6	3.3	38.5	0.0	1.3	2.0	35.7	41.3
Romania	471	48.0	12.0	8.4	21.4	10.2	48.0	0.2	2.0	8.0	47.7	48.2
Russian Federation	515	47.0	10.1	10.6	25.6	6.7	47.0	0.0	0.9	5.8	49.6	44.1
Scotland	372	65.3	9.2	7.3	16.3	1.9	65.3	0.0	0.6	1.3	60.8	69.6
Singapore	449	82.6	2.3	6.0	9.1	0.0	82.6	0.0	0.0	0.0	81.9	83.1
Slovak Republic	439	57.3	13.6	6.7	17.3	5.1	57.3	0.0	0.7	4.4	55.9	58.8
Slovenia	369	62.2	8.9	11.2	15.9	1.8	62.2	0.0	0.0	1.8	55.3	68.6
South Africa	613	31.9	38.2	9.9	15.4	4.6	31.9	0.0	3.0	1.5	31.1	33.5
Spain	453	62.8	8.4	10.9	15.1	2.7	62.8	0.0	0.4	2.4	62.7	63.0
Sweden	360	68.3	11.8	8.7	9.4	1.8	68.3	0.3	1.0	0.5	66.7	69.5
Switzerland	519	73.0	2.9	10.0	10.6	3.4	73.0	0.2	1.4	1.8	68.3	78.7
Thailand	696	55.0	6.5	18.5	19.3	0.6	55.0	0.0	0.0	0.6	57.0	53.0
United States	482	58.0	10.7	11.7	19.0	0.6	58.0	0.0	0.2	0.4	54.4	62.1
INTERNATIONAL AVG	.	61.7	10.5	9.2	15.3	3.3	61.7	0.1	1.1	2.1	60.4	63.0

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: Q06 KEY: C
 Approximate water use/year from use/week. (Fractions and number sense)
 Difficulty: 610

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	688	4.7	6.4	47.4	20.8	18.4	2.2	47.4	0.0	0.6	1.6	49.7	45.0
Austria	372	4.0	7.2	40.2	21.8	24.7	2.1	40.2	0.0	0.2	1.8	44.1	35.5
Belgium (Fl)	343	2.4	5.1	55.2	16.7	20.0	0.7	55.2	0.0	0.2	0.5	57.1	53.0
Belgium (Fr)	279	2.5	11.3	52.4	15.1	12.9	5.8	52.4	0.0	1.5	4.3	49.1	56.5
Bulgaria	240	7.2	7.1	54.2	10.3	13.3	8.0	54.2	1.3	1.1	5.6	52.3	56.4
Canada	1024	3.2	7.6	34.3	30.3	23.7	0.9	34.3	0.0	0.3	0.6	31.6	37.5
Colombia	335	4.5	7.9	14.7	26.4	23.0	23.5	14.7	0.0	15.1	8.3	14.5	15.0
Cyprus	338	7.0	8.0	22.7	32.4	25.0	4.9	22.7	0.4	1.3	3.2	16.5	28.3
Czech Republic	418	3.6	10.4	38.7	25.0	16.5	5.8	38.7	1.1	2.2	2.5	36.0	41.5
Denmark	273	1.5	8.8	34.7	29.7	15.7	9.6	34.7	0.0	3.2	6.5	30.4	39.0
England	221	7.0	7.5	28.3	33.2	21.1	2.9	28.3	0.0	1.1	1.8	26.7	29.5
France	375	6.1	11.0	36.7	22.8	19.4	4.0	36.7	0.0	0.3	3.7	32.0	42.7
Germany	356	3.3	5.8	32.8	25.4	30.8	1.8	32.8	0.0	0.2	1.6	29.7	37.3
Greece	484	7.7	14.7	29.0	26.1	14.8	7.8	29.0	0.1	1.2	6.4	26.0	31.8
Hong Kong	430	4.4	9.7	40.5	26.3	18.9	0.2	40.5	0.0	0.0	0.2	41.5	39.7
Hungary	377	2.4	7.8	38.0	18.0	23.7	10.1	38.0	0.0	3.2	6.9	38.9	37.1
Iceland	239	1.6	4.7	34.9	30.0	27.2	1.5	34.9	0.0	0.6	0.9	35.5	34.1
Iran, Islamic Rep.	464	10.9	13.4	15.6	30.1	25.9	4.1	15.6	0.0	0.2	3.9	12.6	18.0
Ireland	410	4.8	9.3	42.6	17.3	23.0	3.0	42.6	0.8	0.3	1.9	43.2	41.9
Israel	.	.	.	.	.	.	.	.	.	.	.	.	.
Japan	638	1.8	8.1	38.4	33.1	18.2	0.4	38.4	0.0	0.2	0.1	36.3	40.3
Korea	360	1.2	8.5	47.1	25.4	17.3	0.5	47.1	0.0	0.0	0.5	46.6	47.5
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	320	2.6	7.3	27.5	25.1	31.9	5.6	27.5	0.0	1.5	4.1	21.9	33.4
Lithuania	310	3.2	6.9	23.3	28.5	24.7	13.4	23.3	0.0	3.4	10.1	25.7	21.1
Netherlands	265	7.7	10.7	46.2	19.4	14.8	1.2	46.2	0.4	0.8	0.0	43.6	48.5
New Zealand	394	5.0	5.4	34.5	28.6	25.8	0.6	34.5	0.0	0.0	0.6	37.0	32.5
Norway	304	5.1	7.4	49.0	13.2	23.0	2.2	49.0	0.0	0.9	1.3	48.5	49.3
Philippines	723	14.1	16.3	25.9	23.9	19.1	0.7	25.9	0.0	0.0	0.7	25.4	26.4
Portugal	427	5.6	7.1	16.2	32.8	32.3	6.0	16.2	0.0	1.7	4.3	16.5	15.9
Romania	466	8.0	8.1	28.1	19.6	24.2	12.0	28.1	0.4	2.6	9.0	31.3	25.2
Russian Federation	515	4.0	10.1	32.1	26.1	17.3	10.5	32.1	0.1	2.3	8.1	37.9	25.7
Scotland	372	5.4	7.6	29.4	30.1	25.9	1.6	29.4	0.0	0.6	1.0	29.4	29.7
Singapore	449	1.5	9.4	50.9	15.8	22.1	0.4	50.9	0.0	0.0	0.4	48.7	52.8
Slovak Republic	440	3.9	6.9	39.4	23.2	19.2	7.4	39.4	1.3	0.9	5.3	38.5	40.2
Slovenia	372	1.6	5.9	33.6	28.6	27.0	3.2	33.6	0.0	0.0	3.2	31.4	35.7
South Africa	613	14.8	11.8	13.0	20.3	33.2	6.8	13.0	0.5	3.2	3.1	11.2	15.1
Spain	453	2.6	8.9	28.4	32.3	21.5	6.4	28.4	0.0	0.4	6.0	26.3	30.1
Sweden	360	3.6	5.1	35.6	24.1	29.4	2.2	35.6	0.3	1.0	0.9	34.5	36.4
Switzerland	519	2.9	6.8	42.6	25.7	18.5	3.5	42.6	0.0	1.4	2.0	39.8	46.0
Thailand	696	4.2	7.7	35.5	26.6	24.4	1.5	35.5	0.0	0.1	1.5	35.7	34.7
United States	482	6.6	11.2	30.6	29.2	21.1	1.3	30.6	0.0	0.3	0.9	27.1	34.6
INTERNATIONAL AVG	.	4.9	8.5	35.0	24.7	22.2	4.7	35.0	0.2	1.4	3.1	34.0	36.0

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: Q07 KEY: C
 Solve P=LW for W given values for P and L. (Algebra)
 Difficulty: 519

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	688	12.4	7.2	59.2	9.7	7.7	3.8	59.2	0.0	0.6	3.3	66.5	51.5
Austria	372	9.7	5.4	57.4	5.7	18.0	3.9	57.4	0.0	0.4	3.5	59.1	54.6
Belgium (Fl)	343	18.1	2.4	58.5	7.3	8.3	5.4	58.5	0.0	0.2	5.2	59.3	57.6
Belgium (Fr)	279	26.9	4.5	38.7	3.4	11.8	14.7	38.7	0.0	1.5	13.2	43.7	34.3
Bulgaria	240	2.7	1.9	76.4	3.9	9.2	5.8	76.4	0.5	1.1	4.3	80.1	72.1
Canada	1024	14.8	7.4	49.9	9.6	16.4	2.0	49.9	0.0	0.3	1.7	52.1	47.4
Colombia	335	12.3	8.2	20.2	12.1	21.3	25.9	20.2	0.4	15.8	9.7	16.9	22.4
Cyprus	338	18.2	6.5	48.9	9.7	11.0	5.7	48.9	0.6	1.8	3.4	50.9	47.0
Czech Republic	418	5.7	3.3	65.2	3.4	15.1	7.2	65.2	0.0	2.2	5.1	66.0	64.4
Denmark	273	16.5	7.5	29.3	12.2	6.6	27.9	29.3	0.0	4.1	23.8	28.9	28.5
England	221	21.4	6.1	39.7	9.4	19.7	3.6	39.7	0.0	1.1	2.5	37.4	41.4
France	375	23.8	9.8	34.0	8.1	12.8	11.5	34.0	0.0	0.3	11.1	34.1	32.5
Germany	356	12.1	5.4	40.0	6.2	13.8	22.6	40.0	0.0	0.5	22.2	39.4	41.0
Greece	484	21.1	9.3	30.7	8.2	17.1	13.6	30.7	0.0	1.6	12.0	30.8	30.2
Hong Kong	430	3.8	1.1	89.9	1.9	3.0	0.4	89.9	0.0	0.0	0.4	91.5	88.5
Hungary	377	8.6	3.8	54.8	6.2	11.3	15.4	54.8	0.0	3.5	11.9	55.1	54.5
Iceland	239	26.3	11.1	29.0	14.1	7.3	12.1	29.0	0.0	1.3	10.8	29.8	28.0
Iran, Islamic Rep.	464	18.3	10.0	26.9	10.8	28.4	5.6	26.9	0.0	0.3	5.3	22.3	30.5
Ireland	410	12.5	4.2	54.3	7.4	17.7	3.9	54.3	0.2	0.3	3.5	55.3	52.9
Israel	.	.	.	.	.	.	.	.	.	.	.	.	.
Japan	638	3.1	2.6	84.1	3.6	6.3	0.4	84.1	0.0	0.4	0.0	83.9	84.2
Korea	360	5.8	2.1	76.3	10.8	4.6	0.4	76.3	0.0	0.2	0.2	81.5	72.7
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	320	13.8	6.1	43.0	9.4	16.4	11.2	43.0	0.0	1.5	9.8	45.0	41.0
Lithuania	310	8.0	2.1	40.7	2.7	16.0	30.4	40.7	0.4	3.9	26.2	46.4	35.2
Netherlands	265	10.3	8.8	50.7	11.1	12.9	6.1	50.7	0.0	0.8	5.3	52.0	49.9
New Zealand	394	19.5	8.6	42.4	11.6	16.2	1.6	42.4	0.0	0.0	1.6	48.9	37.2
Norway	304	16.9	8.0	30.6	11.3	20.1	13.1	30.6	0.0	1.1	12.0	34.2	27.5
Philippines	723	19.5	7.2	36.7	11.3	24.2	1.1	36.7	0.0	0.0	1.1	37.2	36.0
Portugal	427	11.3	9.4	31.0	13.2	21.5	13.5	31.0	0.0	2.2	11.2	30.9	31.1
Romania	467	11.3	2.5	54.5	4.0	15.9	11.7	54.5	0.6	2.8	8.3	55.5	53.5
Russian Federation	515	6.7	2.7	59.3	2.9	17.5	10.9	59.3	0.4	3.7	6.8	65.0	52.9
Scotland	372	27.9	5.3	34.0	12.5	15.2	5.1	34.0	0.0	0.6	4.4	35.8	32.4
Singapore	449	2.9	1.4	90.6	1.5	3.4	0.2	90.6	0.0	0.0	0.2	89.4	91.7
Slovak Republic	440	15.5	5.5	51.8	2.7	15.4	9.1	51.8	1.2	1.5	6.5	53.6	50.1
Slovenia	372	2.6	5.1	73.9	2.7	11.4	4.3	73.9	0.0	0.0	4.3	79.0	69.3
South Africa	613	17.4	10.2	19.2	17.2	28.1	7.9	19.2	0.0	3.7	4.2	22.6	15.5
Spain	453	9.3	10.0	45.8	9.2	14.0	11.7	45.8	0.0	1.6	10.2	45.1	46.3
Sweden	360	6.9	4.3	43.4	19.8	20.2	5.2	43.4	0.0	1.2	4.0	50.5	38.3
Switzerland	519	25.8	5.5	33.6	9.3	15.4	10.2	33.6	0.3	1.4	8.5	33.9	33.3
Thailand	696	12.4	7.2	61.5	4.1	14.2	0.6	61.5	0.0	0.2	0.5	66.2	55.4
United States	482	8.4	6.3	64.7	3.6	14.8	2.2	64.7	0.0	0.3	1.8	66.1	63.1
INTERNATIONAL AVG	.	13.5	5.9	49.3	8.1	14.5	8.7	49.3	0.1	1.6	7.0	51.0	47.4

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: Q08 KEY: B
 Identify fractions and decimals ranked smallest to largest. (Fractions and number sense)
 Difficulty: 587

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	688	25.1	44.9	20.1	6.3	3.6	44.9	0.0	0.7	2.9	40.7	49.2
Austria	372	29.2	41.9	17.6	6.4	4.9	41.9	0.0	0.4	4.6	29.6	54.7
Belgium (Fl)	343	21.6	65.3	6.5	3.8	2.7	65.3	0.0	0.2	2.5	63.7	67.0
Belgium (Fr)	279	21.2	51.7	12.9	8.3	5.9	51.7	0.3	1.9	3.8	48.0	55.9
Bulgaria	240	21.1	51.6	13.1	7.3	6.9	51.6	0.5	1.1	5.3	52.6	50.4
Canada	1024	26.6	39.4	23.8	8.3	1.8	39.4	0.1	0.4	1.4	36.7	42.7
Colombia	335	21.6	11.8	30.8	12.7	23.1	11.8	0.8	16.7	5.6	11.1	12.5
Cyprus	338	36.6	24.4	25.1	7.8	6.2	24.4	0.8	1.8	3.6	18.1	30.0
Czech Republic	418	26.6	40.2	23.3	4.1	5.8	40.2	0.2	2.5	3.1	37.3	43.2
Denmark	273	17.4	29.0	23.5	6.3	23.9	29.0	0.2	4.1	19.5	26.0	33.0
England	221	25.2	26.8	37.9	7.8	2.3	26.8	0.0	1.1	1.2	20.8	31.4
France	375	13.7	58.5	15.2	8.1	4.5	58.5	0.2	0.6	3.7	58.9	58.5
Germany	356	19.5	49.0	16.3	5.9	9.3	49.0	0.3	0.5	8.5	44.9	54.4
Greece	484	26.5	25.9	31.0	8.6	8.0	25.9	0.4	1.6	6.0	20.0	31.2
Hong Kong	430	22.4	59.9	8.5	8.4	0.7	59.9	0.2	0.0	0.5	53.0	65.5
Hungary	377	26.9	32.5	18.3	8.7	13.6	32.5	0.0	3.8	9.8	29.6	35.3
Iceland	239	10.9	41.8	29.0	9.7	8.6	41.8	0.0	2.9	5.8	39.1	45.5
Iran, Islamic Rep.	464	40.8	11.2	27.8	15.7	4.4	11.2	0.0	0.3	4.1	11.9	10.9
Ireland	410	37.2	33.3	19.9	5.8	3.7	33.3	0.0	0.6	3.1	25.9	42.9
Israel	.	.	.	.	.	.	.	.	.	.	.	.
Japan	638	26.3	58.6	7.6	7.0	0.5	58.6	0.1	0.4	0.0	49.9	66.4
Korea	360	24.8	55.9	11.7	7.4	0.2	55.9	0.0	0.2	0.0	48.4	61.0
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	320	31.3	28.3	24.4	10.3	5.7	28.3	0.0	1.5	4.2	24.8	31.9
Lithuania	310	28.7	28.1	18.6	11.1	13.4	28.1	0.0	4.2	9.2	31.6	24.8
Netherlands	265	29.7	49.5	14.0	5.4	1.4	49.5	0.0	0.8	0.6	44.3	54.4
New Zealand	394	31.5	26.4	27.7	13.0	1.3	26.4	0.0	0.0	1.3	17.8	33.5
Norway	304	20.5	38.7	27.7	6.1	7.0	38.7	0.0	1.5	5.5	24.5	50.4
Philippines	723	21.4	18.5	42.5	16.9	0.7	18.5	0.0	0.0	0.7	17.9	19.2
Portugal	427	38.0	23.7	21.5	8.8	8.0	23.7	0.0	2.8	5.2	23.0	24.4
Romania	467	26.0	20.3	30.4	8.0	15.3	20.3	1.3	3.3	10.7	18.1	22.4
Russian Federation	515	31.1	29.8	19.3	6.3	13.3	29.8	0.6	4.7	8.1	27.8	32.1
Scotland	372	28.6	21.4	35.9	11.6	2.5	21.4	0.5	0.6	1.4	17.9	25.2
Singapore	449	12.3	78.4	3.7	4.9	0.7	78.4	0.0	0.0	0.7	73.5	82.9
Slovak Republic	440	26.3	40.1	19.9	6.6	7.2	40.1	0.6	1.9	4.7	35.7	44.4
Slovenia	372	32.3	31.8	22.6	8.4	4.9	31.8	0.0	0.3	4.6	24.1	39.0
South Africa	613	21.3	15.9	35.1	19.9	7.8	15.9	0.9	3.7	3.1	13.8	18.3
Spain	453	26.9	21.9	30.3	12.3	8.6	21.9	0.0	3.0	5.6	12.2	30.4
Sweden	360	28.5	33.2	26.3	8.5	3.5	33.2	0.2	1.6	1.6	26.9	37.9
Switzerland	519	12.9	54.1	17.7	8.2	7.0	54.1	0.0	1.5	5.5	50.9	57.9
Thailand	696	31.7	45.7	13.4	8.2	0.9	45.7	0.0	0.4	0.5	47.0	43.8
United States	482	24.2	40.1	23.8	9.3	2.6	40.1	0.1	0.3	2.2	38.1	42.4
INTERNATIONAL AVG	.	25.6	37.5	21.9	8.7	6.3	37.5	0.2	1.8	4.3	33.4	41.4

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: Q09 KEY: E
 Perform multiple operations of common fractions. (Fractions and number sense)
 Difficulty: 558

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	688	6.0	25.6	14.0	12.8	36.5	5.1	36.5	0.0	0.7	4.4	38.3	34.7
Austria	372	3.6	19.9	7.6	3.9	58.2	6.7	58.2	0.0	0.4	6.4	63.4	52.2
Belgium (Fl)	343	2.9	5.3	4.6	5.3	77.2	4.6	77.2	0.0	0.4	4.2	80.0	74.2
Belgium (Fr)	279	3.9	23.5	7.0	7.4	43.1	15.2	43.1	0.2	1.9	13.2	41.7	44.1
Bulgaria	240	6.5	12.7	5.2	5.4	59.5	10.8	59.5	0.9	1.4	8.5	62.4	56.2
Canada	1024	4.9	31.1	9.2	6.7	43.9	4.2	43.9	0.0	0.4	3.8	47.6	40.4
Colombia	335	7.0	21.3	16.3	4.7	19.3	31.4	19.3	0.0	17.3	14.1	20.0	18.6
Cyprus	338	3.5	9.5	12.9	3.4	61.3	9.4	61.3	0.4	1.8	7.3	61.5	61.2
Czech Republic	418	3.5	12.8	2.1	9.2	58.5	13.8	58.5	1.4	3.5	9.0	62.1	54.8
Denmark	273	2.1	22.9	10.3	6.8	20.9	37.0	20.9	0.0	4.4	32.6	23.7	17.3
England	221	5.2	36.8	15.4	16.8	18.6	7.2	18.6	0.0	1.1	6.0	15.2	21.2
France	375	5.3	29.5	11.4	6.9	39.0	7.8	39.0	0.0	1.4	6.5	42.2	37.5
Germany	356	4.0	14.2	8.6	6.6	47.3	19.2	47.3	0.4	0.5	18.3	46.7	48.4
Greece	484	4.7	25.1	13.2	4.5	40.8	11.7	40.8	0.2	2.0	9.5	47.3	35.4
Hong Kong	430	4.7	6.8	5.5	6.7	75.9	0.4	75.9	0.0	0.0	0.4	78.1	74.1
Hungary	.	.	.	.	.	.	.	.	.	.	.	.	.
Iceland	239	6.3	37.0	12.7	17.9	11.7	14.4	11.7	0.2	2.9	11.3	9.2	15.1
Iran, Islamic Rep.	464	3.9	23.8	12.3	11.5	40.3	8.2	40.3	0.0	0.3	7.9	46.8	36.0
Ireland	410	5.5	12.0	5.6	8.6	62.8	5.5	62.8	1.0	0.7	3.7	65.5	59.4
Israel	.	.	.	.	.	.	.	.	.	.	.	.	.
Japan	638	2.8	4.5	2.9	3.7	84.2	1.9	84.2	0.0	0.4	1.5	86.8	81.9
Korea	360	5.5	5.0	2.8	3.6	82.7	0.5	82.7	0.0	0.2	0.2	85.8	80.5
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	320	6.5	16.6	6.0	7.5	51.8	11.6	51.8	0.0	1.5	10.1	56.5	46.9
Lithuania	310	8.0	16.9	4.2	7.1	38.2	25.6	38.2	0.0	4.4	21.1	54.1	23.0
Netherlands	265	5.5	20.2	11.6	8.6	51.3	2.9	51.3	0.0	0.8	2.1	53.1	49.8
New Zealand	394	6.9	39.9	11.3	11.4	26.9	3.7	26.9	0.2	0.0	3.4	27.4	26.4
Norway	304	4.4	34.8	11.3	9.1	28.9	11.5	28.9	0.0	1.5	10.0	31.6	26.7
Philippines	723	10.1	35.1	12.6	12.3	28.1	1.8	28.1	0.0	0.0	1.8	26.7	29.7
Portugal	427	4.8	28.6	14.5	6.2	33.4	12.6	33.4	0.0	2.8	9.8	39.8	27.0
Romania	465	5.8	9.9	4.5	7.4	53.7	18.9	53.7	0.2	3.6	15.1	53.3	54.0
Russian Federation	515	7.5	9.7	4.3	5.8	57.1	15.6	57.1	0.4	5.3	9.9	65.6	47.6
Scotland	372	8.7	33.6	16.9	13.1	21.3	6.5	21.3	0.2	0.6	5.6	18.6	24.2
Singapore	449	2.5	3.7	2.0	3.7	87.8	0.2	87.8	0.0	0.0	0.2	90.4	85.5
Slovak Republic	439	3.2	12.7	4.7	5.9	58.0	15.4	58.0	1.8	2.0	11.6	63.1	53.1
Slovenia	372	3.0	15.4	4.1	6.8	62.6	8.1	62.6	0.5	0.3	7.3	68.0	57.5
South Africa	613	12.0	25.8	17.1	9.7	26.7	8.7	26.7	0.3	3.9	4.6	29.9	23.4
Spain	453	4.7	22.5	17.1	5.4	34.6	15.7	34.6	0.0	3.6	12.1	34.0	35.1
Sweden	360	4.6	33.3	18.5	16.6	18.5	8.5	18.5	0.0	1.6	6.9	18.9	18.1
Switzerland	519	3.9	20.1	11.2	11.6	38.0	15.3	38.0	0.4	2.1	12.9	41.9	33.3
Thailand	696	9.4	16.8	7.2	10.4	53.4	2.9	53.4	0.0	0.4	2.4	55.6	51.1
United States	482	12.3	23.2	8.6	10.9	42.7	2.2	42.7	0.0	0.3	1.9	48.1	36.6
INTERNATIONAL AVG	.	5.5	20.5	9.4	8.3	46.0	10.3	46.0	0.2	2.0	8.1	48.7	43.4

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: Q10
 Perform calculation involving addition/subtraction of angles. (Geometry)
 Difficulty: 587

COUNTRY	N	10	70	71	72	73	74	75	79	90	99	V1	NOT	OMIT	1.GIRL	2.BOY
													REACH		% Right	% Right
													ED			
Australia	688	41.8	1.8	3.8	7.1	5.2	5.7	3.3	17.0	4.1	10.1	41.8	0.7	9.5	47.3	36.0
Austria	372	44.8	0.3	5.8	4.9	5.5	3.7	5.3	20.5	1.8	7.3	44.8	0.4	6.9	47.8	43.8
Belgium (Fl)	343	39.2	3.7	3.3	5.9	2.0	4.3	3.7	28.0	1.2	8.7	39.2	0.4	8.3	40.5	37.9
Belgium (Fr)	279	40.5	0.0	0.0	0.0	0.0	0.0	0.0	38.6	0.0	20.9	40.5	1.9	19.0	46.1	35.7
Bulgaria	240	61.1	0.6	0.8	3.4	0.3	2.9	1.9	10.8	0.4	17.7	61.1	1.4	16.2	62.5	59.6
Canada	1024	38.4	2.3	6.5	7.8	4.7	8.8	3.7	16.4	3.2	8.3	38.4	0.8	7.5	39.7	37.5
Colombia	335	10.2	3.8	3.2	2.6	1.2	4.8	6.7	18.4	1.0	48.2	10.2	19.1	29.1	7.3	13.1
Cyprus	338	39.0	1.6	9.7	2.6	0.4	4.2	3.9	18.1	1.3	19.2	39.0	2.2	17.0	38.6	39.4
Czech Republic	418	54.7	0.5	6.6	4.0	3.5	0.7	2.6	13.8	0.6	13.0	54.7	5.1	7.8	57.7	51.6
Denmark	273	35.3	1.6	9.1	3.8	1.9	3.2	3.8	19.4	0.0	21.8	35.3	4.4	17.4	42.6	31.1
England	221	35.6	1.0	5.0	9.4	1.2	4.7	2.7	26.1	4.1	10.2	35.6	1.1	9.0	35.6	35.6
France	375	42.5	1.4	4.4	3.1	1.5	5.3	3.0	19.0	1.8	18.1	42.5	1.7	16.4	45.3	40.0
Germany	352	33.1	2.3	5.1	5.0	2.9	3.9	2.9	18.7	2.0	24.2	33.1	0.5	23.7	36.3	30.8
Greece	484	34.8	0.7	3.8	5.9	0.6	8.0	7.1	17.3	2.4	19.3	34.8	2.7	16.6	37.1	32.9
Hong Kong	427	67.9	0.9	3.8	6.2	1.7	1.5	3.0	12.5	0.7	1.9	67.9	0.0	1.9	69.4	66.7
Hungary	377	36.2	0.4	8.1	3.3	4.6	1.9	4.8	20.6	1.3	18.8	36.2	4.8	14.0	37.7	34.8
Iceland	239	28.0	5.3	2.4	3.9	1.9	7.1	7.6	25.4	4.3	14.0	28.0	3.1	11.0	28.8	27.0
Iran, Islamic Rep.	464	34.6	3.2	7.9	6.3	2.9	9.7	6.6	16.2	0.7	12.0	34.6	0.5	11.4	31.3	37.1
Ireland	410	30.8	0.5	4.3	5.0	4.4	5.5	4.6	27.6	5.1	12.2	30.8	1.0	11.2	30.2	31.6
Israel	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Japan	638	75.9	1.7	2.6	2.8	2.0	1.7	2.9	8.2	0.2	2.1	75.9	0.7	1.4	74.0	77.6
Korea	360	81.9	0.8	2.9	2.9	0.0	0.6	1.0	7.2	0.0	2.7	81.9	0.5	2.3	82.8	81.2
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	320	38.5	1.9	7.6	4.4	2.1	5.0	2.7	16.8	2.4	18.6	38.5	1.7	16.9	41.6	35.4
Lithuania	310	34.2	0.3	7.3	5.0	0.6	2.6	4.7	10.9	1.4	33.1	34.2	5.2	27.9	38.3	30.2
Netherlands	265	43.0	2.1	11.6	4.3	3.2	4.5	5.1	16.3	3.6	6.4	43.0	1.1	5.3	47.1	39.2
New Zealand	394	34.0	3.4	5.5	6.6	8.3	5.6	4.4	22.2	1.8	8.1	34.0	0.0	8.1	33.5	34.3
Norway	304	29.2	1.4	6.3	4.0	6.2	3.6	7.7	20.9	8.5	12.1	29.2	1.5	10.6	30.2	28.5
Philippines	723	19.2	8.3	3.0	2.8	0.8	10.9	8.7	27.5	3.6	15.1	19.2	0.0	15.1	19.5	18.9
Portugal	427	21.9	2.1	4.4	5.9	2.3	5.9	11.0	24.7	1.2	20.6	21.9	3.1	17.5	22.1	21.7
Romania	463	39.6	0.3	4.8	4.0	0.5	1.8	2.1	18.9	0.2	27.9	39.6	4.5	23.4	37.5	41.5
Russian Federation	515	44.2	1.6	5.7	2.7	0.7	3.7	2.0	11.7	1.1	26.5	44.2	5.7	20.8	48.3	39.5
Scotland	372	28.2	1.3	6.2	7.9	5.6	8.1	4.6	26.0	0.9	11.2	28.2	1.4	9.8	29.0	27.6
Singapore	449	60.4	0.9	3.9	5.3	0.2	3.3	1.7	23.2	0.5	0.7	60.4	0.0	0.7	58.7	62.0
Slovak Republic	439	49.4	0.8	4.5	4.7	1.0	2.6	5.3	15.3	3.4	13.1	49.4	2.7	10.4	47.2	51.5
Slovenia	372	49.5	1.8	5.4	5.2	1.8	2.1	5.3	16.7	1.4	10.8	49.5	0.3	10.5	50.8	48.3
South Africa	613	5.8	0.3	0.6	2.5	2.1	4.5	16.6	49.2	0.4	18.0	5.8	4.5	13.4	4.6	7.1
Spain	453	30.5	1.1	6.4	3.7	3.1	6.1	5.1	18.7	0.2	25.1	30.5	4.0	21.1	24.3	35.9
Sweden	360	27.2	1.2	5.6	6.0	3.8	6.3	7.5	27.5	5.1	9.8	27.2	2.0	7.8	30.2	25.0
Switzerland	519	38.9	0.3	5.2	4.5	2.2	5.6	4.2	18.2	0.5	20.4	38.9	2.7	17.7	37.7	40.4
Thailand	696	56.2	1.7	10.3	5.0	5.3	4.4	3.8	9.8	0.1	3.5	56.2	0.5	3.0	59.1	51.5
United States	482	27.9	1.0	5.8	5.9	4.3	20.1	6.8	22.2	1.2	4.8	27.9	0.3	4.5	25.8	30.3
INTERNATIONAL AVG	.	39.6	1.7	5.2	4.7	2.6	4.9	4.8	19.9	1.8	14.9	39.6	2.4	12.5	40.6	38.8

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: R06 KEY: A
 Subtract two decimal numbers. (Fractions and number sense)
 Difficulty: 437

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	687	65.8	12.1	14.7	6.6	0.9	65.8	0.0	0.0	0.9	72.3	59.1
Austria	373	84.5	4.5	6.1	4.5	0.5	84.5	0.0	0.0	0.5	89.4	81.0
Belgium (Fl)	342	81.2	6.2	10.2	2.1	0.3	81.2	0.0	0.0	0.3	82.9	79.2
Belgium (Fr)	280	76.2	3.1	14.2	4.9	1.6	76.2	0.4	0.0	1.2	83.0	68.3
Bulgaria	240	77.4	7.5	7.9	5.4	1.9	77.4	0.5	0.0	1.4	77.9	76.8
Canada	1030	79.4	7.8	8.1	3.9	0.7	79.4	0.0	0.0	0.7	87.2	70.5
Colombia	333	55.3	13.8	15.5	8.9	6.5	55.3	0.0	0.6	5.9	52.8	57.6
Cyprus	337	67.5	10.8	16.5	4.2	1.1	67.5	0.0	0.0	1.1	71.9	63.5
Czech Republic	417	85.3	3.5	6.8	3.6	0.8	85.3	0.2	0.0	0.5	91.3	79.1
Denmark	269	72.5	6.7	9.2	7.4	4.2	72.5	0.0	0.0	4.2	77.8	67.8
England	221	47.5	14.8	19.3	16.6	1.8	47.5	0.0	0.0	1.8	53.2	43.1
France	371	82.4	3.0	7.4	6.4	0.9	82.4	0.0	0.0	0.9	86.7	77.6
Germany	356	71.5	5.0	14.1	6.3	3.1	71.5	0.2	0.0	2.9	72.1	72.4
Greece	484	73.3	7.8	10.1	6.8	2.0	73.3	0.0	0.0	2.0	81.2	66.9
Hong Kong	428	72.1	10.0	12.7	4.5	0.7	72.1	0.2	0.0	0.5	69.2	74.5
Hungary	377	88.6	1.5	6.0	3.1	0.8	88.6	0.0	0.0	0.8	90.4	86.9
Iceland	237	75.6	5.5	12.3	4.4	2.2	75.6	0.0	0.0	2.2	80.2	69.2
Iran, Islamic Rep.	465	59.8	13.1	15.2	10.8	1.0	59.8	0.0	0.1	0.9	66.8	54.5
Ireland	408	85.3	6.0	5.8	1.9	1.0	85.3	0.5	0.0	0.6	86.7	83.4
Israel	.	.	.	.	.	.	.	.	.	.	.	.
Japan	638	80.0	6.2	10.5	2.8	0.5	80.0	0.0	0.1	0.4	82.0	78.3
Korea	360	85.4	5.9	6.5	2.1	0.0	85.4	0.0	0.0	0.0	84.1	86.3
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	319	67.9	9.6	14.6	4.8	3.1	67.9	0.0	0.6	2.4	76.2	59.4
Lithuania	312	79.7	3.4	9.7	3.9	3.3	79.7	0.0	0.2	3.0	84.2	75.3
Netherlands	265	66.2	7.4	15.2	10.5	0.7	66.2	0.0	0.4	0.4	67.8	64.9
New Zealand	394	55.5	15.3	16.0	13.0	0.2	55.5	0.0	0.0	0.2	68.7	44.9
Norway	304	73.6	7.3	9.1	2.9	7.1	73.6	0.0	0.0	7.1	71.7	75.1
Philippines	721	63.8	13.5	13.3	8.9	0.6	63.8	0.0	0.0	0.6	66.7	60.4
Portugal	426	60.5	10.5	15.7	10.1	3.1	60.5	0.4	0.0	2.8	68.2	52.7
Romania	472	68.6	7.5	15.8	5.3	2.7	68.6	0.0	0.3	2.4	69.5	67.9
Russian Federation	514	80.2	5.1	10.6	2.7	1.4	80.2	0.2	0.0	1.1	84.9	75.0
Scotland	370	58.9	13.2	16.9	10.3	0.8	58.9	0.0	0.0	0.8	63.2	54.8
Singapore	449	91.7	3.8	4.2	0.3	0.0	91.7	0.0	0.0	0.0	94.3	89.3
Slovak Republic	440	84.5	2.4	7.3	4.7	1.1	84.5	0.7	0.0	0.4	87.7	81.4
Slovenia	372	87.1	3.9	5.1	3.3	0.7	87.1	0.5	0.0	0.2	93.8	80.9
South Africa	610	54.5	15.5	13.8	13.5	2.7	54.5	0.0	0.6	2.0	56.8	52.7
Spain	451	82.0	4.1	8.1	5.3	0.5	82.0	0.0	0.0	0.5	86.5	78.0
Sweden	362	72.8	10.2	9.0	5.8	2.3	72.8	0.0	0.0	2.3	81.0	66.7
Switzerland	518	81.4	5.0	9.6	3.2	0.8	81.4	0.0	0.0	0.8	83.2	79.1
Thailand	696	86.3	5.6	6.9	0.8	0.4	86.3	0.0	0.1	0.3	88.1	83.3
United States	480	75.0	6.7	12.4	4.8	1.1	75.0	0.0	0.0	1.1	81.1	68.2
INTERNATIONAL AVG	.	73.9	7.6	11.1	5.8	1.6	73.9	0.1	0.1	1.5	77.8	70.1

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: R07 KEY: B
 Solve division word problem involving decimals. (Fractions and number sense)
 Difficulty: 583

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	687	22.6	37.6	23.7	13.1	3.1	37.6	0.0	0.0	3.1	37.4	37.8
Austria	373	13.0	55.8	12.7	17.8	0.7	55.8	0.0	0.0	0.7	56.3	54.6
Belgium (Fl)	342	10.8	66.3	5.0	16.9	0.9	66.3	0.0	0.0	0.9	67.0	65.6
Belgium (Fr)	280	12.5	59.5	13.3	12.7	2.0	59.5	0.0	0.0	2.0	55.2	63.7
Bulgaria	240	7.2	56.1	15.9	13.1	7.8	56.1	0.0	0.0	7.8	56.0	56.2
Canada	1030	23.2	39.3	19.8	16.8	0.9	39.3	0.1	0.0	0.8	41.6	37.2
Colombia	333	14.1	25.1	35.8	14.8	10.2	25.1	0.7	0.6	8.9	27.2	23.3
Cyprus	337	19.0	21.6	23.1	32.8	3.5	21.6	0.0	0.0	3.5	21.0	22.1
Czech Republic	417	12.8	48.7	12.9	23.3	2.3	48.7	1.3	0.0	1.0	48.8	48.6
Denmark	269	28.6	31.1	23.5	11.0	5.8	31.1	0.0	0.0	5.8	29.9	30.7
England	221	17.2	32.2	37.5	13.1	0.0	32.2	0.0	0.0	0.0	27.6	35.7
France	371	15.4	49.3	15.6	17.8	1.8	49.3	0.0	0.0	1.8	53.7	46.7
Germany	356	15.8	43.5	17.7	17.9	5.2	43.5	0.0	0.0	5.2	43.3	43.8
Greece	484	15.2	37.1	19.9	24.6	3.2	37.1	0.0	0.0	3.2	34.6	39.4
Hong Kong	428	10.0	59.8	6.7	22.5	1.0	59.8	0.0	0.0	1.0	61.3	58.6
Hungary	377	10.1	51.0	13.7	21.8	3.4	51.0	0.0	0.0	3.4	50.4	51.6
Iceland	237	32.2	30.2	24.2	11.2	2.3	30.2	0.6	0.0	1.6	30.5	29.8
Iran, Islamic Rep.	465	16.7	23.3	28.6	29.0	2.3	23.3	0.0	0.1	2.2	22.5	23.4
Ireland	408	15.1	39.0	20.3	24.8	0.7	39.0	0.2	0.0	0.5	34.4	44.9
Israel	.	.	.	.	.	.	.	.	.	.	.	.
Japan	638	4.1	68.1	8.4	18.8	0.7	68.1	0.2	0.1	0.4	65.6	70.3
Korea	360	7.7	63.5	6.9	21.5	0.4	63.5	0.0	0.0	0.4	58.9	66.7
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	319	22.8	31.3	28.1	14.1	3.7	31.3	0.0	0.6	3.1	27.1	35.5
Lithuania	312	14.9	41.5	21.0	17.4	5.2	41.5	0.0	0.2	4.9	44.9	38.2
Netherlands	265	19.1	51.5	15.5	11.8	2.1	51.5	0.0	0.4	1.7	50.2	52.5
New Zealand	394	20.0	33.8	32.3	13.2	0.6	33.8	0.0	0.0	0.6	35.5	32.5
Norway	304	32.0	33.3	20.7	12.2	1.8	33.3	0.0	0.0	1.8	27.5	38.1
Philippines	721	10.1	42.7	32.5	13.9	0.8	42.7	0.0	0.0	0.8	42.1	43.5
Portugal	426	22.7	31.8	29.5	13.1	2.9	31.8	0.0	0.0	2.9	32.2	31.4
Romania	472	14.5	34.7	22.7	17.7	10.5	34.7	0.4	0.3	9.7	40.1	29.8
Russian Federation	514	11.2	53.0	14.9	17.6	3.2	53.0	0.0	0.0	3.2	57.3	48.2
Scotland	370	18.9	32.1	33.2	15.6	0.2	32.1	0.0	0.0	0.2	30.2	34.3
Singapore	449	6.4	72.7	4.6	15.6	0.6	72.7	0.0	0.0	0.6	68.2	76.9
Slovak Republic	440	13.0	50.5	16.5	17.4	2.6	50.5	0.9	0.0	1.7	51.8	49.2
Slovenia	372	14.3	40.8	17.4	24.0	3.5	40.8	0.0	0.0	3.5	39.4	42.2
South Africa	610	12.0	36.0	33.0	16.2	2.8	36.0	0.0	0.6	2.1	36.6	34.7
Spain	451	21.0	29.7	23.7	22.4	3.3	29.7	0.0	0.0	3.3	27.2	32.0
Sweden	362	27.7	39.8	20.1	12.0	0.3	39.8	0.0	0.0	0.3	41.3	38.8
Switzerland	518	16.1	48.1	14.3	19.0	2.5	48.1	0.0	0.0	2.5	44.2	52.7
Thailand	696	18.3	35.8	15.4	28.0	2.4	35.8	0.1	0.1	2.2	35.4	36.2
United States	480	21.2	40.6	19.7	16.5	2.0	40.6	0.0	0.0	2.0	42.5	38.5
INTERNATIONAL AVG	.	16.5	42.9	20.0	17.8	2.7	42.9	0.1	0.1	2.5	42.4	43.4

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: R08 KEY: B
 Interpret distance/speed line graph to determine distance at given speed. (Data Rep., Analysis & Prob.)
 Difficulty: 565

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	687	27.6	52.5	14.8	4.3	0.7	52.5	0.0	0.0	0.7	48.9	56.2
Austria	373	24.8	48.1	19.9	4.9	2.3	48.1	0.0	0.0	2.3	41.5	56.4
Belgium (Fl)	342	34.3	56.1	7.8	1.3	0.4	56.1	0.0	0.0	0.4	58.2	53.8
Belgium (Fr)	280	24.2	53.9	16.0	2.4	3.6	53.9	0.0	0.3	3.3	48.0	60.5
Bulgaria	240	35.3	43.2	9.6	1.1	10.8	43.2	0.6	0.0	10.2	44.6	41.4
Canada	1030	30.8	47.9	16.1	4.4	0.9	47.9	0.0	0.0	0.9	50.1	46.1
Colombia	333	35.2	25.3	21.5	11.0	7.1	25.3	0.0	1.9	5.2	27.9	22.7
Cyprus	337	38.0	35.0	18.5	7.5	1.1	35.0	0.0	0.0	1.1	30.6	39.0
Czech Republic	417	32.7	43.9	19.6	3.0	0.9	43.9	0.0	0.0	0.9	40.6	47.4
Denmark	269	34.3	40.5	19.7	2.8	2.7	40.5	0.0	0.0	2.7	38.1	40.0
England	221	26.9	57.5	10.9	4.3	0.4	57.5	0.0	0.0	0.4	53.3	60.7
France	371	16.7	63.8	14.4	3.5	1.5	63.8	0.0	0.0	1.5	59.6	68.3
Germany	356	26.4	53.6	11.1	6.3	2.7	53.6	0.3	0.0	2.4	49.4	57.9
Greece	484	30.5	41.1	19.1	6.2	3.2	41.1	0.0	0.0	3.2	42.2	39.7
Hong Kong	429	13.5	58.5	23.3	4.8	0.0	58.5	0.0	0.0	0.0	50.5	64.9
Hungary	377	29.3	55.6	9.7	3.1	2.3	55.6	0.0	0.0	2.3	53.0	58.1
Iceland	237	42.7	37.4	14.7	4.7	0.5	37.4	0.0	0.0	0.5	37.4	37.3
Iran, Islamic Rep.	465	40.4	31.0	17.5	9.2	2.0	31.0	0.1	0.1	1.8	29.6	31.7
Ireland	408	37.0	39.9	17.2	5.1	0.8	39.9	0.0	0.0	0.8	35.2	45.9
Israel	.	.	.	.	.	.	.	.	.	.	.	.
Japan	638	15.1	67.9	14.3	2.3	0.3	67.9	0.2	0.1	0.0	60.8	74.2
Korea	360	25.9	54.9	17.1	2.1	0.0	54.9	0.0	0.0	0.0	43.1	63.0
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	319	44.1	32.6	16.5	1.6	5.1	32.6	0.0	0.6	4.5	31.4	33.9
Lithuania	312	30.2	39.2	11.5	6.9	12.2	39.2	0.0	0.2	11.9	39.4	38.9
Netherlands	265	17.9	63.7	15.1	2.9	0.4	63.7	0.0	0.4	0.0	66.2	61.6
New Zealand	394	34.2	40.4	17.5	7.3	0.5	40.4	0.0	0.0	0.5	37.1	43.1
Norway	304	29.2	44.3	17.6	7.3	1.6	44.3	0.0	0.0	1.6	35.8	51.4
Philippines	721	32.5	41.9	17.5	7.9	0.3	41.9	0.0	0.0	0.3	43.6	39.9
Portugal	426	48.1	30.4	13.1	6.8	1.5	30.4	0.1	0.0	1.4	25.7	35.3
Romania	471	54.3	22.0	11.0	3.1	9.6	22.0	0.1	0.3	9.2	15.9	27.6
Russian Federation	510	36.8	41.5	15.8	2.9	3.0	41.5	0.0	0.0	3.0	38.5	44.9
Scotland	370	27.3	46.0	19.0	6.8	0.8	46.0	0.6	0.0	0.2	36.4	56.2
Singapore	449	25.8	45.8	19.2	8.1	1.2	45.8	0.0	0.0	1.2	42.3	48.9
Slovak Republic	440	44.6	35.0	15.6	3.1	1.8	35.0	0.0	0.0	1.8	32.3	37.6
Slovenia	372	44.9	36.9	12.3	3.3	2.5	36.9	0.0	0.0	2.5	30.2	43.1
South Africa	610	32.8	18.1	22.8	24.6	1.7	18.1	0.1	0.6	1.0	16.6	19.9
Spain	451	36.7	32.0	18.7	9.2	3.3	32.0	0.0	0.0	3.3	26.0	37.4
Sweden	362	17.6	56.8	19.9	4.7	1.0	56.8	0.0	0.0	1.0	53.4	59.3
Switzerland	518	25.7	50.8	18.8	2.8	1.8	50.8	0.2	0.0	1.7	44.2	58.6
Thailand	696	23.5	33.1	30.1	12.2	1.1	33.1	0.0	0.1	1.0	31.6	34.7
United States	480	30.9	43.1	18.6	6.1	1.3	43.1	0.0	0.0	1.3	42.2	44.3
INTERNATIONAL AVG	.	31.5	44.0	16.6	5.5	2.4	44.0	0.1	0.1	2.2	40.8	47.1

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: R09 KEY: E
 Identify equivalent expressions from properties of real numbers. (Algebra)
 Difficulty: 603

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	687	15.2	19.6	7.9	25.0	28.4	3.9	28.4	0.0	0.0	3.9	34.2	22.4
Austria	373	13.8	16.6	4.8	21.0	36.3	7.5	36.3	0.0	0.4	7.1	34.6	38.4
Belgium (Fl)	342	7.2	9.0	3.7	11.8	63.6	4.7	63.6	0.3	0.0	4.4	65.8	61.2
Belgium (Fr)	280	8.2	10.0	5.7	21.0	45.6	9.6	45.6	1.4	0.7	7.5	48.4	42.3
Bulgaria	240	8.6	7.8	6.4	14.2	54.7	8.2	54.7	0.5	0.0	7.7	54.5	54.9
Canada	1030	15.1	20.4	7.9	24.4	29.7	2.5	29.7	0.1	0.0	2.4	28.7	31.6
Colombia	333	27.4	24.2	5.1	17.9	14.5	10.9	14.5	1.0	2.2	7.6	16.3	12.9
Cyprus	337	16.1	15.4	7.7	21.3	31.0	8.6	31.0	1.6	0.4	6.6	33.1	29.0
Czech Republic	417	7.4	14.9	1.0	20.5	52.1	4.1	52.1	2.0	0.0	2.1	58.6	45.2
Denmark	269	11.3	15.7	11.7	16.6	22.5	22.2	22.5	1.4	0.0	20.8	19.9	24.8
England	221	20.6	16.4	12.2	22.2	23.8	4.8	23.8	0.0	0.0	4.8	26.5	21.7
France	371	11.6	13.6	6.8	27.2	34.5	6.4	34.5	0.5	0.0	5.9	39.4	31.0
Germany	356	5.8	17.8	4.5	15.7	29.6	26.6	29.6	3.7	0.0	23.0	30.3	29.8
Greece	484	16.6	19.7	9.6	21.5	23.5	9.1	23.5	2.9	0.0	6.2	24.5	22.7
Hong Kong	429	6.6	12.7	4.0	16.7	60.0	0.0	60.0	0.0	0.0	0.0	61.2	59.1
Hungary	377	9.3	10.9	4.5	23.5	44.5	7.4	44.5	0.0	0.0	7.4	45.7	43.3
Iceland	237	20.5	23.7	13.5	18.0	19.4	4.9	19.4	0.0	0.0	4.9	22.2	15.5
Iran, Islamic Rep.	465	19.2	17.6	13.2	21.6	25.5	2.9	25.5	0.2	0.1	2.6	19.9	29.9
Ireland	408	18.7	15.9	4.6	24.0	33.2	3.6	33.2	0.9	0.0	2.7	33.8	32.6
Israel	.	.	.	.	.	.	.	.	.	.	.	.	.
Japan	638	8.7	9.8	10.8	20.2	48.3	2.2	48.3	0.8	0.1	1.3	53.0	44.0
Korea	360	8.5	8.5	6.3	19.7	57.1	0.0	57.1	0.0	0.0	0.0	54.4	59.0
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	319	9.1	14.3	4.1	32.1	32.0	8.5	32.0	0.0	0.6	7.8	32.6	31.3
Lithuania	312	10.4	11.1	5.2	19.5	32.1	21.6	32.1	0.0	0.2	21.4	35.7	28.7
Netherlands	265	18.2	23.8	9.5	15.8	25.9	6.8	25.9	0.0	0.4	6.5	26.9	25.1
New Zealand	394	15.0	26.1	10.1	18.2	29.6	1.1	29.6	0.0	0.0	1.1	34.9	25.3
Norway	304	13.6	14.9	15.9	25.3	19.9	10.4	19.9	0.0	0.2	10.2	14.0	24.8
Philippines	721	44.2	12.5	8.7	13.3	20.9	0.3	20.9	0.0	0.0	0.3	22.3	19.3
Portugal	426	13.0	20.4	12.1	25.7	21.2	7.5	21.2	0.0	0.0	7.5	21.5	20.9
Romania	469	11.1	10.2	4.0	19.0	40.7	15.1	40.7	5.8	0.3	8.9	42.0	39.5
Russian Federation	510	9.2	12.3	1.7	17.3	51.9	7.5	51.9	2.0	0.0	5.5	57.0	46.3
Scotland	370	16.8	20.4	15.1	22.2	21.3	4.2	21.3	0.4	0.0	3.8	20.9	21.8
Singapore	449	11.3	6.3	4.8	15.3	61.9	0.4	61.9	0.0	0.1	0.2	67.7	56.7
Slovak Republic	440	15.1	10.6	3.8	23.1	42.2	5.1	42.2	1.4	0.0	3.7	44.8	39.6
Slovenia	372	13.4	16.8	5.6	18.9	39.1	6.2	39.1	1.0	0.0	5.2	40.8	37.6
South Africa	610	20.5	22.8	10.3	28.8	14.7	2.8	14.7	0.6	0.6	1.6	13.4	16.3
Spain	451	11.4	16.3	4.3	23.4	39.9	4.6	39.9	0.0	0.0	4.6	39.4	40.4
Sweden	362	13.5	21.4	14.8	22.5	23.7	3.9	23.7	0.7	0.0	3.2	27.3	21.1
Switzerland	518	10.7	21.4	8.9	16.9	33.6	8.6	33.6	3.2	0.0	5.4	36.9	29.7
Thailand	696	13.6	14.6	6.5	22.3	41.4	1.7	41.4	0.0	0.1	1.6	43.8	38.4
United States	480	16.3	21.6	10.6	21.0	28.1	2.4	28.1	0.1	0.0	2.3	28.0	28.1
INTERNATIONAL AVG	.	14.1	15.9	7.7	20.6	34.9	6.7	34.9	0.8	0.2	5.7	36.4	33.6

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: R10 KEY: C
 Determine into how many triangles a trapezoid can be divided. (Geometry)
 Difficulty: 551

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	687	18.1	20.3	51.2	9.7	0.7	51.2	0.0	0.0	0.7	52.1	50.2
Austria	373	22.8	19.1	48.6	8.0	1.4	48.6	0.0	0.4	1.1	45.5	51.1
Belgium (Fl)	342	22.4	13.2	58.8	5.2	0.4	58.8	0.0	0.0	0.4	58.8	58.9
Belgium (Fr)	280	23.8	14.4	52.6	6.0	3.2	52.6	0.2	0.8	2.2	50.1	55.9
Bulgaria	240	17.3	13.7	58.9	7.2	2.8	58.9	0.8	0.0	2.0	63.7	53.3
Canada	1030	20.3	19.5	49.0	10.8	0.4	49.0	0.0	0.0	0.4	47.8	50.5
Colombia	333	41.0	23.3	18.0	13.0	4.7	18.0	0.9	2.2	1.5	19.7	16.5
Cyprus	337	25.9	26.0	37.2	9.5	1.3	37.2	0.3	0.4	0.7	33.5	40.6
Czech Republic	417	21.8	19.8	51.4	6.7	0.3	51.4	0.0	0.0	0.3	50.8	52.1
Denmark	269	17.6	16.9	54.3	8.0	3.3	54.3	0.0	0.0	3.3	56.2	54.2
England	221	22.8	18.2	47.1	12.0	0.0	47.1	0.0	0.0	0.0	50.0	44.8
France	371	25.7	17.8	48.3	7.2	1.1	48.3	0.0	0.0	1.1	50.4	46.5
Germany	356	25.0	24.0	39.7	7.9	3.4	39.7	0.6	0.0	2.8	39.8	39.7
Greece	484	41.6	26.7	22.2	8.8	0.6	22.2	0.0	0.0	0.6	17.9	26.2
Hong Kong	429	8.6	7.9	73.2	9.3	1.0	73.2	0.0	0.0	1.0	77.0	70.2
Hungary	377	19.0	15.9	53.2	10.4	1.5	53.2	0.0	0.0	1.5	47.9	58.2
Iceland	237	16.6	15.0	57.9	9.4	1.1	57.9	0.0	0.0	1.1	62.9	51.1
Iran, Islamic Rep.	465	27.5	19.1	45.8	7.5	0.1	45.8	0.0	0.1	0.1	38.3	51.1
Ireland	408	31.5	26.0	30.4	11.2	1.0	30.4	0.0	0.0	1.0	31.3	29.2
Israel	.	.	.	.	.	.	.	.	.	.	.	.
Japan	638	8.3	8.4	76.0	7.0	0.3	76.0	0.0	0.1	0.2	76.5	75.5
Korea	360	6.1	8.4	80.0	5.5	0.0	80.0	0.0	0.0	0.0	77.6	81.7
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	319	29.8	18.8	42.3	5.7	3.4	42.3	0.0	0.6	2.8	37.9	46.9
Lithuania	311	30.6	23.0	33.1	4.5	8.8	33.1	0.0	0.6	8.2	34.0	32.3
Netherlands	265	12.6	9.9	65.1	11.6	0.9	65.1	0.5	0.4	0.0	63.6	66.9
New Zealand	394	20.4	23.2	43.8	11.0	1.5	43.8	0.2	0.0	1.4	45.9	42.2
Norway	304	21.6	21.5	50.7	5.8	0.4	50.7	0.0	0.2	0.2	53.3	48.5
Philippines	721	38.8	31.3	20.2	9.4	0.1	20.2	0.0	0.0	0.1	17.9	23.0
Portugal	426	38.2	25.7	25.4	9.6	1.0	25.4	0.0	0.0	1.0	21.9	29.1
Romania	472	32.6	18.2	36.6	9.3	3.3	36.6	0.1	0.3	2.9	40.2	33.4
Russian Federation	514	19.7	16.9	50.0	8.6	4.9	50.0	0.0	0.0	4.9	50.2	49.7
Scotland	370	24.7	25.6	39.6	9.4	0.6	39.6	0.0	0.0	0.6	43.7	35.7
Singapore	449	12.7	9.0	66.0	12.0	0.3	66.0	0.0	0.1	0.2	67.6	64.5
Slovak Republic	438	20.8	17.7	52.4	8.8	0.2	52.4	0.0	0.0	0.2	50.3	54.6
Slovenia	372	23.9	16.8	49.6	7.7	2.0	49.6	0.3	0.0	1.8	52.3	47.1
South Africa	610	47.5	24.2	9.8	15.9	2.5	9.8	1.0	0.6	0.9	9.3	10.5
Spain	451	27.8	19.6	41.9	9.8	0.9	41.9	0.0	0.0	0.9	39.9	43.7
Sweden	362	24.8	16.0	51.2	8.1	0.0	51.2	0.0	0.0	0.0	53.3	49.6
Switzerland	518	16.8	20.0	50.8	10.3	2.1	50.8	0.5	0.0	1.6	44.6	58.2
Thailand	696	20.0	19.9	47.9	11.9	0.2	47.9	0.0	0.1	0.1	49.3	46.6
United States	480	25.8	23.2	40.7	8.0	2.3	40.7	0.0	0.0	2.3	41.6	39.8
INTERNATIONAL AVG	.	23.8	18.9	46.8	8.9	1.6	46.8	0.1	0.2	1.3	46.6	47.0

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: R11 KEY: A
 Solve algebra word problem: linear equation. (Algebra)
 Difficulty: 584

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	687	44.2	8.8	32.2	13.1	1.7	44.2	0.0	0.0	1.7	41.5	46.9
Austria	373	39.8	7.9	41.7	8.9	1.7	39.8	0.0	0.4	1.3	32.7	45.9
Belgium (Fl)	342	63.8	6.0	23.3	6.6	0.2	63.8	0.0	0.0	0.2	66.6	60.7
Belgium (Fr)	280	48.6	10.0	25.9	10.7	4.9	48.6	0.0	0.8	4.1	46.5	50.6
Bulgaria	240	52.6	8.3	23.5	10.9	4.6	52.6	0.0	0.6	4.1	56.1	48.4
Canada	1030	35.1	8.5	39.2	16.3	0.8	35.1	0.0	0.0	0.8	37.2	32.8
Colombia	333	29.0	9.2	30.6	20.9	10.4	29.0	0.0	2.2	8.2	24.4	33.2
Cyprus	337	37.0	14.8	31.5	14.0	2.7	37.0	0.7	0.4	1.6	34.8	39.0
Czech Republic	417	48.8	4.8	34.4	9.5	2.4	48.8	0.5	0.0	1.9	50.4	47.1
Denmark	269	39.0	9.0	32.3	13.4	6.3	39.0	0.0	0.0	6.3	35.7	40.9
England	221	33.6	5.5	41.6	19.3	0.0	33.6	0.0	0.0	0.0	37.2	30.8
France	371	36.1	6.6	37.1	18.7	1.5	36.1	0.0	0.0	1.5	38.4	32.6
Germany	356	37.3	11.2	33.7	12.0	5.8	37.3	0.9	0.0	4.9	38.8	36.8
Greece	484	30.2	15.1	31.9	20.2	2.6	30.2	0.3	0.0	2.3	26.1	33.9
Hong Kong	429	69.5	8.1	14.7	6.7	1.0	69.5	0.0	0.0	1.0	67.1	71.5
Hungary	377	37.4	19.6	22.8	13.7	6.5	37.4	0.0	0.0	6.5	37.3	37.6
Iceland	237	40.1	8.9	35.3	14.6	1.1	40.1	0.0	0.0	1.1	40.5	39.6
Iran, Islamic Rep.	465	36.6	18.4	25.3	16.4	3.3	36.6	0.2	0.1	3.1	34.3	38.4
Ireland	408	36.0	6.8	35.8	19.6	1.9	36.0	0.3	0.0	1.6	34.2	38.3
Israel	.	.	.	.	.	.	.	.	.	.	.	.
Japan	638	61.6	4.9	25.5	7.7	0.3	61.6	0.0	0.1	0.2	56.3	66.4
Korea	360	57.3	7.2	26.7	8.5	0.3	57.3	0.0	0.0	0.3	59.9	55.6
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	318	38.5	14.1	27.4	15.6	4.5	38.5	0.0	0.6	3.9	32.6	44.6
Lithuania	312	41.2	9.0	23.4	14.3	12.0	41.2	0.0	0.6	11.5	41.4	41.0
Netherlands	265	48.4	8.7	28.8	11.6	2.5	48.4	0.0	0.4	2.1	51.4	45.8
New Zealand	394	33.8	10.5	34.8	20.0	0.9	33.8	0.0	0.0	0.9	34.1	33.5
Norway	304	31.1	12.2	35.4	18.7	2.6	31.1	0.0	0.2	2.4	26.5	35.0
Philippines	721	29.5	15.5	35.6	18.7	0.6	29.5	0.3	0.0	0.3	28.7	30.5
Portugal	426	27.0	15.3	29.6	27.3	0.8	27.0	0.0	0.0	0.8	24.8	29.2
Romania	472	45.9	9.9	23.8	10.9	9.5	45.9	1.2	0.3	8.0	47.4	44.5
Russian Federation	514	58.6	6.1	24.0	7.7	3.6	58.6	0.0	0.4	3.2	57.0	60.4
Scotland	370	30.0	10.0	42.4	16.5	1.1	30.0	0.0	0.0	1.1	27.9	32.3
Singapore	449	81.7	2.3	11.0	4.4	0.6	81.7	0.0	0.1	0.5	78.6	84.5
Slovak Republic	438	35.9	9.9	39.5	12.7	2.1	35.9	0.2	0.0	1.8	34.8	37.0
Slovenia	372	39.1	9.7	36.7	11.6	3.0	39.1	0.0	0.0	3.0	37.8	40.2
South Africa	610	29.0	20.2	23.2	24.7	2.9	29.0	0.0	0.6	2.3	29.7	28.6
Spain	451	33.1	10.2	41.0	13.1	2.6	33.1	0.0	0.0	2.6	32.0	34.1
Sweden	362	40.0	10.9	34.0	14.8	0.3	40.0	0.0	0.0	0.3	38.6	41.0
Switzerland	518	49.4	8.1	30.6	10.1	1.8	49.4	0.3	0.0	1.5	49.4	49.4
Thailand	696	63.2	8.1	20.4	7.8	0.5	63.2	0.0	0.1	0.4	62.1	64.8
United States	480	36.1	7.3	38.0	16.4	2.1	36.1	0.0	0.0	2.1	33.8	38.7
INTERNATIONAL AVG	.	42.6	9.9	30.6	14.0	2.8	42.6	0.1	0.2	2.5	41.6	43.6

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: R12 KEY: C
 Subtract 4-digit whole numbers. (Fractions and number sense)
 Difficulty: 360

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	687	9.0	5.7	82.2	2.5	0.6	82.2	0.0	0.0	0.6	87.2	77.1
Austria	373	2.9	1.4	93.5	1.6	0.6	93.5	0.0	0.4	0.3	96.9	90.1
Belgium (Fl)	342	0.0	0.0	95.6	3.6	0.9	95.6	0.3	0.0	0.6	97.7	93.2
Belgium (Fr)	280	0.4	1.2	94.9	1.2	2.3	94.9	0.0	0.8	1.5	96.2	94.2
Bulgaria	240	2.5	4.7	84.0	6.1	2.7	84.0	0.4	1.1	1.2	86.0	81.8
Canada	1030	3.9	3.1	90.7	2.1	0.3	90.7	0.0	0.0	0.3	91.6	89.7
Colombia	333	12.3	5.6	57.4	16.9	7.8	57.4	0.0	2.2	5.6	55.5	58.7
Cyprus	337	5.5	4.9	80.7	7.1	1.8	80.7	0.0	0.4	1.5	83.2	78.4
Czech Republic	416	1.6	0.4	96.8	0.1	1.1	96.8	0.9	0.0	0.2	98.4	95.0
Denmark	269	6.0	2.9	86.2	1.5	3.3	86.2	0.0	0.0	3.3	88.6	83.5
England	221	24.3	10.9	58.6	5.3	0.9	58.6	0.0	0.0	0.9	59.5	57.9
France	371	3.2	1.4	92.0	2.0	1.3	92.0	0.0	0.0	1.3	94.7	88.9
Germany	356	1.7	2.5	93.2	0.6	2.0	93.2	0.2	0.0	1.8	91.7	94.5
Greece	484	7.9	1.8	86.9	1.5	1.9	86.9	0.4	0.0	1.5	91.6	82.8
Hong Kong	429	0.9	2.3	89.6	7.0	0.2	89.6	0.2	0.0	0.0	91.6	88.0
Hungary	377	2.0	0.4	95.3	0.5	1.8	95.3	0.0	0.0	1.8	97.0	93.6
Iceland	237	1.7	2.9	91.1	3.2	1.1	91.1	0.0	0.0	1.1	91.9	90.0
Iran, Islamic Rep.	465	6.3	3.4	85.7	2.7	1.9	85.7	0.2	0.1	1.6	86.8	84.9
Ireland	408	3.1	1.7	92.7	1.2	1.3	92.7	0.4	0.0	0.9	92.3	93.3
Israel	.	.	.	.	.	.	.	.	.	.	.	.
Japan	638	1.7	2.5	89.3	6.4	0.1	89.3	0.0	0.1	0.0	88.9	89.8
Korea	360	3.0	2.8	90.6	3.6	0.0	90.6	0.0	0.0	0.0	86.0	93.8
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	318	1.2	4.8	83.7	7.9	2.4	83.7	0.0	0.6	1.8	85.3	82.0
Lithuania	311	1.1	3.6	88.5	3.4	3.5	88.5	0.0	0.6	2.9	90.4	86.6
Netherlands	265	3.9	3.6	87.6	4.1	0.7	87.6	0.0	0.4	0.3	92.1	83.0
New Zealand	394	19.2	6.9	69.4	4.0	0.4	69.4	0.0	0.0	0.4	77.4	62.9
Norway	304	4.4	2.1	85.1	1.7	6.8	85.1	0.0	0.2	6.5	80.9	88.5
Philippines	721	14.7	3.1	77.4	3.5	1.4	77.4	0.0	0.0	1.4	81.0	73.1
Portugal	426	12.5	5.4	78.3	2.3	1.5	78.3	0.0	0.0	1.5	85.3	71.1
Romania	471	5.9	3.2	79.6	6.4	4.9	79.6	0.0	0.5	4.4	84.1	75.4
Russian Federation	513	1.4	1.6	92.3	3.3	1.4	92.3	0.3	0.4	0.7	94.3	90.1
Scotland	370	11.4	8.2	75.1	4.7	0.6	75.1	0.0	0.3	0.2	77.8	72.8
Singapore	449	0.2	0.1	98.3	0.8	0.6	98.3	0.0	0.1	0.4	97.8	98.7
Slovak Republic	440	2.4	1.3	94.0	0.7	1.6	94.0	1.1	0.0	0.4	95.9	92.1
Slovenia	372	1.9	0.6	95.4	0.4	1.7	95.4	0.0	0.0	1.7	95.9	94.8
South Africa	610	26.4	7.3	56.7	6.2	3.4	56.7	0.2	0.9	2.4	56.8	56.4
Spain	451	3.3	1.5	93.6	0.6	1.0	93.6	0.0	0.0	1.0	95.3	92.0
Sweden	362	5.1	5.8	84.0	4.0	1.1	84.0	0.0	0.0	1.1	85.8	82.7
Switzerland	518	0.9	0.9	95.8	1.1	1.3	95.8	0.0	0.0	1.3	96.0	95.6
Thailand	696	3.2	2.3	86.5	7.7	0.4	86.5	0.0	0.1	0.2	89.0	82.5
United States	480	3.4	2.5	88.1	3.5	2.5	88.1	0.0	0.0	2.5	87.4	88.9
INTERNATIONAL AVG	.	5.6	3.2	85.9	3.6	1.8	85.9	0.1	0.2	1.4	87.5	84.2

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: R13
 Determine how much money left after spending 7/9. (Fractions and number sense)
 Difficulty: 642

COUNTRY	N	10	70	71	72	73	75	79	90	99	V1	NOT	1.GIRL	2.BOY	
												REACH			% Right	% Right
												ED			
Australia	687	30.3	0.3	2.1	1.3	1.5	0.6	42.1	2.7	19.0	30.3	0.0	19.0	33.3	27.2
Austria	373	36.1	3.8	2.8	2.7	0.1	1.1	42.2	2.8	8.3	36.1	0.4	7.9	33.5	39.1
Belgium (Fl)	342	53.3	0.7	0.4	0.5	1.1	0.0	39.7	0.0	4.3	53.3	0.0	4.3	48.8	58.2
Belgium (Fr)	280	38.1	0.0	0.0	0.0	0.0	0.0	49.9	0.0	12.0	38.1	0.8	11.2	32.8	43.7
Bulgaria	240	35.7	2.1	0.0	0.0	0.0	1.3	27.2	1.4	32.4	35.7	1.2	31.2	39.8	30.8
Canada	1030	20.2	0.6	2.8	1.4	1.1	3.5	52.2	4.8	13.4	20.2	0.0	13.4	19.8	20.5
Colombia	333	4.1	1.0	0.9	0.7	0.3	1.6	45.9	1.6	43.8	4.1	2.5	41.3	6.2	1.8
Cyprus	337	35.7	2.2	1.7	2.5	0.3	1.0	37.7	1.3	17.5	35.7	0.4	17.2	34.4	36.9
Czech Republic	416	20.4	0.5	1.9	2.3	0.1	1.2	54.4	2.6	16.6	20.4	0.0	16.6	14.8	26.2
Denmark	269	17.9	1.9	2.2	0.4	1.3	0.0	31.7	0.0	44.7	17.9	0.0	44.7	13.3	22.6
England	221	22.8	0.5	1.6	0.5	1.2	1.5	55.9	5.7	10.4	22.8	0.0	10.4	19.1	25.7
France	371	21.2	1.1	1.6	0.6	0.5	0.2	48.6	0.8	25.4	21.2	0.0	25.4	20.9	21.6
Germany	352	21.7	2.4	1.2	2.1	1.7	1.0	31.0	4.0	34.9	21.7	0.0	34.9	16.7	27.5
Greece	484	20.5	1.0	1.9	1.8	2.5	1.7	40.6	4.3	25.7	20.5	0.0	25.7	22.7	18.7
Hong Kong	429	51.1	0.0	1.4	4.7	0.5	0.0	39.0	0.0	3.3	51.1	0.0	3.3	47.0	54.4
Hungary	377	34.4	4.6	2.0	3.3	0.6	1.0	36.0	2.1	15.9	34.4	0.0	15.9	35.0	33.8
Iceland	237	20.3	4.0	8.2	3.5	0.4	1.0	46.4	3.4	12.7	20.3	0.0	12.7	19.5	21.5
Iran, Islamic Rep.	465	19.3	1.8	3.2	0.0	0.0	0.1	49.4	2.8	23.3	19.3	0.1	23.2	14.4	23.1
Ireland	408	43.8	0.2	1.0	2.9	1.5	0.3	42.8	1.4	6.2	43.8	0.0	6.2	42.0	46.1
Israel	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Japan	638	46.3	0.6	3.0	2.8	0.5	0.2	40.9	1.9	3.7	46.3	0.1	3.6	39.1	52.8
Korea	360	45.6	0.2	1.9	1.4	0.5	0.3	47.0	0.0	3.1	45.6	0.0	3.1	41.6	48.4
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	319	19.0	3.9	2.5	0.5	0.5	1.0	43.6	1.9	27.0	19.0	0.6	26.4	17.6	20.5
Lithuania	312	12.4	0.8	0.6	0.0	0.0	0.5	43.4	2.0	40.3	12.4	0.6	39.8	12.5	12.2
Netherlands	265	49.1	1.0	1.0	3.4	2.2	0.9	31.4	5.0	6.0	49.1	0.4	5.6	49.2	49.4
New Zealand	393	23.4	1.5	1.5	1.7	0.3	0.5	56.6	0.8	13.7	23.4	0.0	13.7	24.9	22.1
Norway	304	20.9	4.8	4.1	1.2	1.0	1.3	40.3	8.7	17.7	20.9	0.2	17.5	18.6	22.7
Philippines	721	9.3	11.4	2.2	0.6	1.0	1.8	54.4	1.9	17.5	9.3	0.0	17.5	8.7	10.0
Portugal	426	2.3	0.5	0.1	1.1	1.3	3.6	49.2	3.6	38.1	2.3	0.0	38.1	0.8	3.8
Romania	470	19.3	0.7	2.0	0.5	0.8	0.6	48.4	0.7	27.3	19.3	0.5	26.8	14.7	23.5
Russian Federation	513	26.3	1.3	1.6	0.9	0.2	0.6	46.1	2.4	20.5	26.3	0.4	20.1	27.2	25.3
Scotland	370	20.7	0.6	5.0	1.6	0.5	1.9	50.9	2.4	16.4	20.7	0.3	16.0	23.2	18.3
Singapore	449	77.9	0.0	2.3	2.9	0.2	0.0	15.7	0.0	1.0	77.9	0.1	0.8	78.3	77.6
Slovak Republic	440	22.8	1.5	1.3	0.7	0.5	0.4	45.0	7.1	20.7	22.8	0.0	20.7	15.3	30.3
Slovenia	372	17.7	4.1	1.2	0.2	0.0	1.0	49.1	5.2	21.5	17.7	0.0	21.5	15.0	20.2
South Africa	610	4.2	0.4	0.4	0.7	1.4	2.4	73.8	0.4	16.3	4.2	1.0	15.2	2.4	6.1
Spain	451	12.3	2.3	1.2	0.6	1.2	2.0	55.2	1.6	23.6	12.3	0.0	23.6	10.7	13.7
Sweden	362	28.0	0.8	6.1	3.3	0.3	1.0	42.1	9.3	9.1	28.0	0.0	9.1	28.2	27.8
Switzerland	518	38.0	1.5	1.9	1.2	0.5	0.0	48.4	1.9	6.6	38.0	0.0	6.6	33.5	43.5
Thailand	696	33.0	0.1	2.0	0.6	0.5	1.5	54.3	0.3	7.7	33.0	0.1	7.6	35.4	29.5
United States	480	15.9	0.7	3.8	1.4	1.0	4.3	56.6	3.8	12.5	15.9	0.0	12.5	15.8	16.1
INTERNATIONAL AVG	.	27.3	1.7	2.1	1.5	0.7	1.1	45.1	2.6	18.0	27.3	0.2	17.8	25.7	28.8

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: R14
 Solve multi-step word problem involving ratios. (Proportionality)
 Difficulty: 617

COUNTRY	N	10	70	71	72	73	74	79	90	99	V1	NOT	1.GIRL	2.BOY	
												REACH			% Right
												ED			
Australia	687	20.8	0.3	10.3	2.0	8.4	2.3	35.7	4.2	16.1	20.8	0.0	16.1	22.8	18.6
Austria	373	56.1	1.3	2.4	0.5	4.7	1.1	23.0	4.0	6.9	56.1	0.4	6.5	58.6	53.0
Belgium (Fl)	342	57.2	0.6	2.9	0.0	5.9	2.4	23.8	0.9	6.3	57.2	0.0	6.3	58.4	55.8
Belgium (Fr)	280	33.7	0.0	0.0	0.0	0.0	0.0	39.2	0.0	27.1	33.7	0.8	26.4	39.7	27.8
Bulgaria	240	45.8	1.0	3.3	0.0	1.8	0.4	16.7	0.6	30.4	45.8	2.1	28.3	50.3	40.6
Canada	1030	21.8	0.4	11.5	1.3	8.3	4.4	39.0	3.5	9.6	21.8	0.0	9.6	21.8	22.2
Colombia	333	3.1	0.3	5.6	0.0	3.5	1.7	61.5	2.1	22.2	3.1	2.5	19.7	2.6	3.6
Cyprus	337	21.0	0.8	5.1	0.4	4.6	3.0	31.8	1.6	31.6	21.0	0.4	31.3	19.1	22.9
Czech Republic	416	47.3	1.7	3.1	0.2	2.8	2.3	26.4	4.1	12.0	47.3	0.0	12.0	46.4	48.2
Denmark	269	15.8	0.9	2.0	1.7	9.3	3.8	30.4	0.0	36.0	15.8	0.0	36.0	13.9	17.2
England	221	14.2	0.4	8.6	1.9	12.2	7.5	42.9	4.8	7.5	14.2	0.0	7.5	10.9	16.7
France	371	38.1	0.3	4.4	1.4	2.8	1.8	23.8	0.6	26.9	38.1	0.0	26.9	40.7	36.1
Germany	352	29.0	0.1	3.2	0.8	4.2	2.3	20.3	1.6	38.3	29.0	0.3	38.0	27.4	31.7
Greece	484	32.8	0.4	4.1	1.6	7.4	5.5	24.9	2.9	20.3	32.8	0.0	20.3	39.0	27.7
Hong Kong	429	51.7	0.8	2.4	0.5	3.2	1.6	33.1	0.7	6.1	51.7	0.0	6.1	50.1	52.9
Hungary	377	29.7	0.0	4.5	0.3	5.2	2.1	31.1	5.1	22.0	29.7	0.0	22.0	30.3	29.0
Iceland	237	14.6	0.7	10.2	2.1	17.1	9.0	31.8	3.8	10.7	14.6	0.0	10.7	15.1	13.8
Ireland, Islamic Rep.	465	14.6	0.6	5.1	1.5	8.0	3.2	41.7	3.7	21.5	14.6	0.1	21.4	12.8	16.1
Ireland	408	32.5	0.9	9.3	1.6	6.1	2.1	31.8	5.8	9.8	32.5	0.0	9.8	29.6	36.2
Israel	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Japan	638	61.1	0.0	1.9	0.4	8.3	3.1	16.3	2.2	6.7	61.1	0.1	6.6	60.5	61.7
Korea	360	62.8	0.3	1.5	0.3	11.2	2.6	15.1	0.0	6.2	62.8	0.0	6.2	63.9	62.0
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	319	24.7	0.0	8.7	1.6	5.8	1.7	30.7	0.9	25.9	24.7	0.9	25.0	20.8	28.7
Lithuania	312	28.0	0.0	2.0	2.3	5.7	4.3	20.2	2.1	35.4	28.0	0.6	34.8	27.5	28.4
Netherlands	265	44.1	0.4	2.4	2.8	12.3	2.8	23.0	5.1	7.1	44.1	0.4	6.8	44.7	43.1
New Zealand	393	19.1	1.3	11.7	2.5	9.5	4.8	40.5	1.2	9.3	19.1	0.0	9.3	19.8	18.6
Norway	304	16.0	0.0	2.3	1.6	14.6	6.3	34.5	8.4	16.4	16.0	0.2	16.1	12.8	18.6
Philippines	721	11.1	8.7	6.9	1.8	2.1	2.4	56.6	0.8	9.6	11.1	0.1	9.4	11.8	10.3
Portugal	426	9.4	0.0	4.1	0.6	7.4	3.1	48.2	2.7	24.4	9.4	0.0	24.4	7.9	11.0
Romania	470	30.2	0.7	3.7	0.2	2.5	1.2	34.9	0.4	26.2	30.2	0.5	25.7	28.3	31.9
Russian Federation	513	50.0	1.2	2.2	1.5	1.8	2.3	21.3	1.5	18.2	50.0	0.4	17.8	56.3	43.0
Scotland	370	12.5	0.2	12.1	2.4	7.2	6.5	42.6	1.2	15.2	12.5	0.3	14.9	13.9	11.1
Singapore	449	78.6	0.7	1.3	0.2	1.0	0.0	16.5	0.0	1.7	78.6	0.1	1.6	78.0	79.1
Slovak Republic	440	37.9	0.4	3.7	0.8	6.1	1.8	26.3	5.7	17.2	37.9	0.0	17.2	35.5	40.3
Slovenia	372	39.1	0.3	4.8	0.0	5.5	0.2	26.6	4.7	18.8	39.1	0.0	18.8	41.3	36.9
South Africa	610	2.2	0.0	5.7	0.3	1.8	2.9	73.5	0.6	12.9	2.2	1.4	11.6	1.6	2.9
Spain	451	30.3	0.6	7.4	0.9	5.8	3.4	34.2	1.1	16.2	30.3	0.0	16.2	28.8	31.7
Sweden	362	21.0	0.0	17.4	1.8	12.3	7.6	27.3	5.1	7.6	21.0	0.0	7.6	22.4	20.0
Switzerland	518	46.5	0.7	2.5	0.3	3.4	2.5	29.6	3.0	11.5	46.5	0.2	11.3	41.6	52.3
Thailand	696	37.3	0.1	6.6	1.4	9.8	6.3	27.9	0.0	10.5	37.3	0.2	10.3	38.2	36.2
United States	480	18.3	1.0	15.1	1.9	11.9	7.3	34.3	2.1	8.1	18.3	0.0	8.1	17.0	19.7
INTERNATIONAL AVG	.	31.5	0.7	5.6	1.1	6.5	3.2	32.2	2.5	16.7	31.5	0.3	16.4	31.6	31.4

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: S01A
 Complete chart by observing sequence of triangles in each of 3 figures. (Algebra)
 Difficulty: 421

COUNTRY	N	10	70	71	79	90	99	V1	NOT	OMIT	1.GIRL % Right	2.BOY % Right
									REACH ED			
Australia	683	76.1	8.0	3.1	6.8	0.8	5.2	76.1	0.4	4.8	79.9	72.7
Austria	380	90.6	1.0	1.3	2.9	1.0	3.2	90.6	0.0	3.2	92.5	88.8
Belgium (Fl)	352	83.5	6.1	2.0	5.6	0.0	2.8	83.5	0.9	1.9	86.2	80.5
Belgium (Fr)	285	86.7	0.0	0.0	8.6	0.0	4.7	86.7	2.5	2.3	85.0	89.0
Bulgaria	256	69.4	5.1	2.0	13.8	0.0	9.8	69.4	3.2	6.6	67.6	71.1
Canada	1029	78.5	7.8	4.1	5.9	0.6	3.1	78.5	1.5	1.7	80.9	77.1
Colombia	326	44.9	0.2	0.0	22.2	0.4	32.2	44.9	10.2	22.0	40.7	49.1
Cyprus	395	65.9	1.2	1.1	18.9	0.0	12.9	65.9	4.8	8.0	64.1	67.7
Czech Republic	418	75.0	6.1	7.4	2.3	0.1	9.2	75.0	6.0	3.1	71.9	78.5
Denmark	273	67.7	2.0	1.1	10.9	0.0	18.4	67.7	7.9	10.5	71.1	66.5
England	215	84.1	2.8	0.8	10.5	0.0	1.7	84.1	0.0	1.7	86.3	82.6
France	384	79.9	5.0	1.0	9.8	0.0	4.4	79.9	2.7	1.7	82.5	77.9
Germany	362	78.6	2.8	2.6	7.2	0.0	8.9	78.6	3.4	5.5	79.4	77.7
Greece	485	68.8	2.1	1.9	20.3	0.0	6.9	68.8	3.2	3.7	67.3	70.5
Hong Kong	427	83.3	2.4	3.6	6.2	0.4	4.1	83.3	0.2	3.8	82.8	83.8
Hungary	391	83.9	0.2	0.0	4.7	0.0	11.2	83.9	7.0	4.1	84.8	82.9
Iceland	235	74.4	6.9	2.6	8.4	0.0	7.6	74.4	4.6	3.1	73.5	75.4
Iran, Islamic Rep.	475	63.6	2.3	1.3	18.1	0.9	13.8	63.6	1.6	12.2	65.5	62.2
Ireland	395	72.0	7.9	2.8	12.2	1.2	3.9	72.0	0.3	3.6	74.1	69.3
Israel	.	.	.	.	.	.	.	.	.	.	.	.
Japan	637	88.6	2.2	2.5	5.5	0.4	0.8	88.6	0.4	0.4	90.3	87.1
Korea	368	80.4	4.3	6.8	7.5	0.0	1.0	80.4	0.3	0.7	80.7	80.2
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	320	67.2	3.4	2.2	11.0	0.6	15.7	67.2	5.3	10.4	72.6	61.3
Lithuania	314	56.2	6.3	2.8	9.3	0.7	24.6	56.2	7.0	17.6	63.3	49.3
Netherlands	258	82.4	1.8	0.0	12.2	0.0	3.6	82.4	0.5	3.1	83.3	81.5
New Zealand	392	72.5	9.1	4.2	8.3	0.7	5.2	72.5	2.0	3.3	71.1	73.8
Norway	313	73.2	6.9	2.1	11.4	0.6	5.7	73.2	3.1	2.7	72.8	73.6
Philippines	731	41.9	6.7	1.8	22.6	1.5	25.6	41.9	1.9	23.7	43.5	40.0
Portugal	420	61.7	5.3	1.2	18.2	0.5	13.0	61.7	4.4	8.6	62.6	60.8
Romania	470	52.9	0.0	0.1	23.4	0.0	23.7	52.9	6.7	17.0	56.4	49.8
Russian Federation	511	70.3	1.8	0.7	7.4	0.5	19.3	70.3	6.4	12.9	72.9	67.2
Scotland	362	84.6	1.9	0.5	9.4	0.8	2.9	84.6	1.1	1.8	83.5	85.9
Singapore	473	79.3	6.7	5.1	8.1	0.2	0.5	79.3	0.0	0.5	79.9	78.8
Slovak Republic	451	66.9	9.4	5.5	7.5	0.6	10.1	66.9	4.5	5.6	68.4	65.4
Slovenia	365	76.3	5.3	3.3	12.0	0.2	2.8	76.3	0.3	2.5	79.8	72.1
South Africa	700	18.5	2.4	1.3	33.7	1.3	42.8	18.5	5.1	37.7	18.2	19.3
Spain	484	70.8	2.1	0.6	16.9	0.2	9.5	70.8	4.6	4.9	68.4	73.3
Sweden	329	75.1	7.5	2.0	10.6	1.0	3.9	75.1	2.4	1.5	72.0	78.1
Switzerland	521	79.9	2.4	1.0	7.6	0.3	8.9	79.9	2.6	6.3	80.2	79.6
Thailand	770	77.5	4.8	3.0	10.9	0.3	3.4	77.5	0.1	3.4	76.9	78.0
United States	482	73.0	6.7	1.8	14.5	0.0	4.1	73.0	0.6	3.5	70.2	75.6
INTERNATIONAL AVG	.	71.9	4.2	2.2	11.6	0.4	9.8	71.9	3.0	6.8	72.6	71.4

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: S01B
 Extend triangle pattern from 3 figures to 8th. (Algebra)
 Difficulty: 692

COUNTRY	N	10	70	71	79	90	99	V1	NOT REACH ED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	683	25.8	2.6	2.9	47.9	2.1	18.6	25.8	3.2	15.4	26.4	25.3
Austria	380	26.9	4.1	0.8	46.2	1.7	20.2	26.9	0.5	19.7	28.5	26.0
Belgium (Fl)	352	26.0	5.2	2.8	55.1	0.5	10.3	26.0	1.5	8.8	28.1	23.8
Belgium (Fr)	285	12.5	0.0	0.0	53.0	0.0	34.5	12.5	4.1	30.4	10.9	14.5
Bulgaria	256	18.3	0.4	1.0	26.1	0.2	54.0	18.3	9.0	45.0	20.3	16.0
Canada	1029	21.4	2.7	4.0	57.4	2.0	12.7	21.4	2.5	10.1	20.0	23.0
Colombia	326	6.8	2.4	0.0	26.4	0.6	63.7	6.8	16.0	47.8	11.5	2.7
Cyprus	395	10.9	4.9	1.0	41.4	0.0	41.8	10.9	9.4	32.4	10.6	11.2
Czech Republic	418	19.4	5.2	2.8	42.8	1.1	28.7	19.4	9.1	19.6	18.6	20.3
Denmark	273	13.3	1.7	0.0	28.9	0.3	55.7	13.3	14.1	41.6	12.9	14.3
England	215	19.6	2.8	1.8	61.1	1.9	12.8	19.6	1.7	11.0	19.7	19.5
France	384	12.2	4.8	2.1	51.2	0.4	29.4	12.2	3.3	26.0	10.7	13.8
Germany	362	16.1	5.9	0.5	36.9	1.8	38.8	16.1	7.4	31.5	18.0	14.4
Greece	485	4.3	4.3	0.6	52.7	1.6	36.5	4.3	5.9	30.6	4.9	3.8
Hong Kong	427	42.8	1.9	0.7	40.9	0.5	13.2	42.8	1.0	12.2	42.0	43.7
Hungary	391	20.2	2.2	0.0	38.2	0.9	38.6	20.2	10.7	27.9	22.5	17.9
Iceland	236	6.5	2.9	1.5	52.4	5.4	31.3	6.5	6.1	25.2	8.6	4.3
Iran, Islamic Rep.	475	2.4	0.9	0.2	48.0	0.0	48.5	2.4	8.8	39.7	1.0	3.5
Ireland	395	19.1	3.9	3.0	58.6	0.8	14.7	19.1	0.9	13.8	17.1	21.7
Israel	.	.	.	.	.	.	.	.	.	.	.	.
Japan	637	43.5	2.5	1.2	45.3	0.5	7.0	43.5	0.7	6.3	42.9	44.0
Korea	368	31.8	1.7	3.2	59.4	0.0	3.9	31.8	1.0	2.9	31.1	32.4
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	320	12.8	1.5	0.8	33.1	3.0	48.8	12.8	13.5	35.3	13.7	12.1
Lithuania	314	5.6	1.4	1.6	27.2	2.0	62.3	5.6	16.9	45.4	7.6	3.5
Netherlands	258	28.7	9.0	0.4	49.7	1.3	10.8	28.7	1.5	9.3	22.2	35.0
New Zealand	392	22.6	3.3	2.0	53.9	1.5	16.7	22.6	2.8	13.9	22.5	22.6
Norway	313	13.5	3.3	3.9	53.4	2.8	23.0	13.5	4.3	18.8	11.3	15.4
Philippines	732	13.3	4.5	1.4	34.4	3.8	42.6	13.3	8.6	34.0	12.7	13.9
Portugal	420	6.5	3.2	1.9	49.7	1.9	36.8	6.5	9.7	27.1	7.2	5.7
Romania	470	14.8	1.6	0.2	27.7	0.0	55.6	14.8	15.4	40.2	15.3	14.5
Russian Federation	511	10.8	1.8	0.8	37.2	0.8	48.7	10.8	13.2	35.5	11.0	10.5
Scotland	362	17.9	4.2	2.0	51.7	1.5	22.6	17.9	1.4	21.2	21.1	14.7
Singapore	473	37.2	2.1	3.4	48.3	0.4	8.7	37.2	0.3	8.4	37.0	37.3
Slovak Republic	451	14.7	1.2	2.6	35.1	3.2	43.2	14.7	9.2	34.0	13.9	15.6
Slovenia	365	20.1	3.0	2.1	48.7	1.8	24.3	20.1	1.2	23.1	20.6	19.5
South Africa	700	2.7	1.5	1.3	25.6	1.5	67.5	2.7	15.2	52.3	2.4	3.2
Spain	484	16.8	3.6	1.8	53.4	0.5	23.8	16.8	8.7	15.1	13.5	20.4
Sweden	329	8.3	2.3	2.7	56.8	5.9	24.0	8.3	3.9	20.1	8.4	8.4
Switzerland	521	26.6	3.7	1.8	40.2	2.2	25.6	26.6	7.4	18.1	28.7	24.5
Thailand	770	18.5	1.8	4.1	71.4	0.5	3.6	18.5	0.4	3.2	18.6	17.6
United States	482	17.7	2.1	3.5	64.9	1.1	10.7	17.7	1.1	9.5	17.0	18.5
INTERNATIONAL AVG	.	17.7	3.0	1.7	45.8	1.4	30.4	17.7	6.3	24.1	17.8	17.7

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: S02A
 Calculate area square given area of rectangle containing 5 squares. (Measurement)
 Difficulty: 498

COUNTRY	N	10	70	79	90	99	NOT REACH			1.GIRL % Right	2.BOY % Right
							V1	ED	OMIT		
Australia	683	54.6	2.5	28.4	2.6	11.9	54.6	6.1	5.8	62.3	47.6
Austria	380	64.8	0.9	25.5	3.9	4.9	64.8	3.1	1.8	66.1	64.6
Belgium (Fl)	352	73.4	1.3	18.6	0.4	6.3	73.4	2.4	3.9	74.3	72.3
Belgium (Fr)	285	65.0	0.0	16.8	0.0	18.2	65.0	9.4	8.8	65.3	63.2
Bulgaria	256	61.6	0.7	9.6	0.2	27.9	61.6	23.1	4.7	60.1	62.4
Canada	1029	56.1	3.3	30.6	1.6	8.3	56.1	5.5	2.8	59.8	53.3
Colombia	185	14.4	0.4	28.9	0.0	56.3	14.4	43.2	13.1	12.9	15.9
Cyprus	395	38.0	0.4	35.9	0.0	25.8	38.0	18.7	7.1	41.4	34.6
Czech Republic	418	60.6	0.0	13.8	2.7	22.9	60.6	15.8	7.1	59.7	61.6
Denmark	273	30.9	6.7	29.6	0.0	32.8	30.9	24.7	8.1	32.5	28.3
England	215	37.9	3.6	48.3	1.7	8.5	37.9	4.2	4.3	42.7	34.6
France	384	61.8	0.0	18.1	1.0	19.2	61.8	10.8	8.4	64.4	58.6
Germany	363	49.0	2.0	21.6	0.2	27.3	49.0	17.8	9.4	52.4	45.3
Greece	485	41.3	0.2	25.9	3.5	29.0	41.3	17.8	11.3	41.8	41.3
Hong Kong	427	82.1	1.1	12.5	0.0	4.2	82.1	2.2	2.0	80.2	83.9
Hungary	391	55.9	0.7	19.2	0.7	23.5	55.9	16.9	6.6	55.4	56.4
Iceland	236	33.3	8.2	40.9	0.8	16.7	33.3	12.8	3.9	39.9	26.9
Iran, Islamic Rep.	475	26.3	0.3	48.8	0.0	24.6	26.3	17.7	6.9	23.7	28.5
Ireland	395	72.1	0.5	19.2	1.7	6.5	72.1	3.1	3.4	71.9	72.5
Israel	.	.	.	.	.	.	.	.	.	.	.
Japan	637	85.7	0.5	9.4	0.6	3.9	85.7	2.4	1.5	87.6	83.9
Korea	368	73.4	0.0	6.9	0.0	19.7	73.4	3.3	16.4	72.5	74.0
Kuwait	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	320	47.7	0.4	16.9	2.1	32.9	47.7	26.9	6.0	49.7	46.0
Lithuania	314	42.8	0.0	14.8	1.6	40.9	42.8	32.8	8.1	43.8	41.8
Netherlands	258	60.4	6.4	30.2	0.8	2.3	60.4	1.8	0.4	60.7	60.0
New Zealand	394	42.9	1.5	41.8	2.3	11.5	42.9	6.5	5.0	43.0	42.7
Norway	313	51.1	5.0	28.2	7.7	8.0	51.1	6.3	1.7	60.2	43.2
Philippines	732	23.8	10.2	45.4	3.0	17.6	23.8	12.2	5.5	24.4	23.1
Portugal	420	31.3	0.8	32.1	1.7	34.1	31.3	19.6	14.5	36.4	26.0
Romania	472	52.3	0.2	17.6	0.5	29.4	52.3	23.4	5.9	52.3	52.6
Russian Federation	511	65.1	0.4	10.7	0.6	23.2	65.1	19.3	3.9	68.4	61.4
Scotland	362	53.2	2.3	34.5	0.3	9.8	53.2	5.7	4.1	57.4	48.7
Singapore	473	92.5	0.1	6.2	0.3	1.0	92.5	0.5	0.5	92.9	92.0
Slovak Republic	451	54.6	0.2	14.8	1.9	28.4	54.6	19.6	8.9	57.1	52.1
Slovenia	365	65.1	0.8	20.2	0.2	13.7	65.1	6.4	7.3	62.9	67.8
South Africa	700	12.0	2.5	60.8	2.5	22.1	12.0	19.4	2.6	9.1	15.6
Spain	484	44.0	0.2	25.6	0.7	29.6	44.0	14.0	15.6	40.3	48.0
Sweden	329	44.3	6.5	33.4	3.0	12.8	44.3	8.5	4.3	49.4	38.7
Switzerland	520	61.0	1.1	20.0	2.7	15.1	61.0	10.2	4.9	59.3	62.7
Thailand	770	74.4	0.8	21.1	0.2	3.4	74.4	1.4	2.0	74.9	73.4
United States	482	46.4	3.1	43.0	1.4	6.0	46.4	2.4	3.7	52.1	41.0
INTERNATIONAL AVG	.	52.6	1.9	25.6	1.4	18.5	52.6	12.4	6.1	54.0	51.2

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: S02B
 Calculate length of side of square given area. (Measurement)
 Difficulty: 665

COUNTRY	N	10	70	71	72	73	79	90	99	V1	NOT	1.GIRL	2.BOY	
											REACH			OMIT	% Right	% Right
Australia	683	21.5	7.0	8.2	4.4	1.0	35.2	3.5	19.2	21.5	10.7	8.5	19.1	23.6
Austria	380	23.5	3.1	14.4	3.4	6.3	34.0	4.6	10.6	23.5	4.2	6.5	19.1	27.7
Belgium (Fl)	352	22.8	6.3	13.1	6.6	2.8	36.7	0.0	11.6	22.8	5.4	6.2	20.0	26.1
Belgium (Fr)	285	24.5	0.0	0.0	0.0	0.0	46.7	0.0	28.8	24.5	14.6	14.2	22.7	26.4
Bulgaria	256	42.6	5.1	2.9	0.1	0.0	13.5	0.6	35.2	42.6	26.6	8.6	40.5	44.0
Canada	1029	11.0	7.6	10.4	7.5	2.5	45.7	1.8	13.4	11.0	7.8	5.6	10.0	11.9
Colombia	185	3.3	1.7	2.1	0.5	1.1	29.7	0.0	61.6	3.3	54.6	7.0	4.8	2.0
Cyprus	395	13.8	4.6	0.6	0.2	1.4	46.9	0.0	32.5	13.8	23.3	9.2	13.8	13.8
Czech Republic	418	26.7	0.8	6.9	2.7	6.7	22.7	2.3	31.2	26.7	21.4	9.8	24.2	29.5
Denmark	273	7.5	13.1	1.4	1.5	5.1	32.3	0.2	38.8	7.5	27.3	11.5	6.0	9.0
England	215	11.8	10.1	5.6	5.4	2.8	45.2	5.6	13.6	11.8	7.1	6.5	9.6	13.4
France	384	12.7	1.9	14.2	2.8	5.3	32.4	0.3	30.5	12.7	16.6	13.9	11.3	13.4
Germany	363	9.2	2.4	5.9	1.5	3.1	36.8	1.1	40.0	9.2	26.0	14.0	8.4	10.3
Greece	485	5.4	4.0	4.6	1.2	4.6	37.7	2.0	40.5	5.4	27.0	13.5	6.9	3.8
Hong Kong	427	66.5	2.3	3.8	1.9	1.2	19.3	0.0	5.1	66.5	4.2	0.9	64.9	68.0
Hungary	391	15.7	5.1	10.7	0.2	2.1	32.4	0.6	33.1	15.7	21.7	11.4	13.8	17.7
Iceland	235	6.9	18.8	4.1	9.3	6.0	34.4	1.5	19.0	6.9	15.5	3.4	10.5	3.3
Iran, Islamic Rep.	475	1.4	2.9	4.3	0.4	0.2	43.5	0.2	47.1	1.4	22.7	24.3	0.9	1.7
Ireland	395	14.9	2.7	14.4	4.0	4.3	38.9	2.1	18.7	14.9	5.5	13.2	11.8	18.8
Israel	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Japan	637	43.0	2.6	7.9	0.1	12.1	24.2	0.2	9.8	43.0	3.8	6.1	35.5	49.9
Korea	368	40.3	0.0	5.7	0.4	5.0	24.0	0.0	24.6	40.3	19.5	5.1	33.3	45.3
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	320	13.4	4.6	4.0	2.9	1.5	31.5	1.0	41.2	13.4	31.1	10.1	12.7	14.3
Lithuania	314	10.9	0.9	2.6	0.0	0.5	30.3	1.2	53.7	10.9	39.8	13.9	12.5	9.3
Netherlands	258	10.3	13.6	5.5	16.8	6.9	36.8	3.4	6.7	10.3	2.3	4.5	9.8	10.8
New Zealand	394	9.0	5.2	7.6	8.5	6.7	48.2	1.6	13.2	9.0	10.2	3.0	11.2	6.9
Norway	313	5.7	13.3	5.7	2.7	5.2	46.2	7.5	13.7	5.7	7.5	6.2	4.5	6.7
Philippines	732	8.3	9.3	5.5	0.8	0.0	53.0	2.6	20.5	8.3	15.7	4.8	7.3	9.5
Portugal	420	3.2	2.9	4.3	1.8	2.8	38.6	1.4	45.0	3.2	32.9	12.1	3.2	3.1
Romania	473	33.6	0.9	2.0	0.5	0.7	23.2	0.6	38.5	33.6	27.9	10.6	34.8	32.5
Russian Federation	511	24.9	0.9	5.6	2.2	5.2	25.3	1.3	34.6	24.9	22.1	12.5	24.9	24.9
Scotland	362	5.5	8.1	7.7	7.3	3.8	46.8	1.9	19.0	5.5	8.3	10.6	6.2	4.7
Singapore	473	73.0	1.0	5.2	1.4	2.1	15.4	0.3	1.6	73.0	0.8	0.8	72.2	73.9
Slovak Republic	451	22.2	0.7	7.7	5.3	3.2	20.6	1.7	38.6	22.2	26.0	12.6	21.3	23.2
Slovenia	365	25.4	5.1	5.9	2.1	4.9	36.5	0.8	19.3	25.4	12.0	7.3	23.2	28.1
South Africa	700	2.1	4.9	1.6	1.3	1.8	60.3	3.4	24.6	2.1	20.2	4.4	0.7	4.1
Spain	484	14.0	1.8	7.0	5.4	3.4	30.2	0.9	37.4	14.0	27.9	9.5	13.0	15.1
Sweden	329	8.1	20.4	7.5	5.7	4.1	33.2	3.8	17.3	8.1	12.1	5.2	9.4	6.7
Switzerland	520	17.9	0.4	11.0	2.7	4.2	37.3	3.4	23.1	17.9	14.3	8.8	17.6	18.1
Thailand	770	22.1	4.1	8.4	1.9	4.7	53.1	0.0	5.7	22.1	2.8	2.9	22.9	21.2
United States	482	12.7	4.0	5.3	9.0	4.2	53.6	2.3	8.7	12.7	5.5	3.2	14.7	10.8
INTERNATIONAL AVG	.	18.7	5.1	6.3	3.3	3.5	35.8	1.6	25.7	18.7	17.1	8.6	17.7	19.6

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: S02C
 Find perimeter of rectangle containing 5 squares of known size. (Measurement)
 Difficulty: 680

COUNTRY	N	10	11	12	19	70	71	79	90	99	V1	NOT	1. GIRL	2. BOY	
												REACH			% Right
												ED			
Australia	683	13.1	1.8	7.5	0.3	6.0	2.9	42.3	3.9	22.1	22.8	17.8	4.3	23.5	22.1
Austria	380	13.6	1.6	9.0	0.4	11.5	1.0	43.7	5.2	14.0	24.6	10.3	3.7	17.4	31.5
Belgium (Fl)	352	12.3	2.2	4.2	0.4	10.2	2.2	50.8	0.7	17.0	19.1	11.4	5.7	18.5	19.8
Belgium (Fr)	285	0.0	0.0	0.0	14.7	0.0	0.0	52.2	0.0	33.1	14.7	25.7	7.3	13.7	16.4
Bulgaria	256	27.6	0.7	1.6	0.0	2.9	0.7	27.4	0.6	38.6	29.9	34.9	3.7	32.3	27.8
Canada	1029	7.1	2.5	9.0	0.0	6.4	8.2	50.2	2.0	14.8	18.5	12.6	2.1	16.0	21.1
Colombia	184	0.0	0.0	0.0	0.0	0.2	0.9	35.6	0.0	63.3	0.0	60.5	2.8	.	.
Cyprus	395	4.3	1.4	0.0	0.0	0.0	2.6	57.1	0.0	34.6	5.6	29.3	5.3	4.0	7.2
Czech Republic	418	16.2	0.0	5.5	0.0	14.1	4.6	20.9	1.5	37.2	21.7	30.6	6.6	14.0	30.2
Denmark	272	5.3	0.5	5.1	0.0	4.6	0.0	43.5	0.0	41.0	10.9	36.8	4.2	12.4	9.6
England	215	6.8	1.5	8.3	0.4	6.4	6.6	45.0	5.4	19.4	17.1	11.0	8.3	14.2	19.1
France	384	7.7	0.4	2.3	0.4	7.8	1.5	43.1	0.8	36.1	10.7	29.1	7.0	9.9	12.0
Germany	363	4.4	0.0	3.0	0.5	6.0	2.0	40.0	0.9	43.2	7.9	38.4	4.8	7.6	8.0
Greece	483	2.8	1.4	2.1	0.2	4.4	3.7	36.8	2.7	45.9	6.5	39.0	6.9	5.9	7.3
Hong Kong	427	50.1	0.4	4.1	0.0	9.5	1.8	28.2	0.0	5.8	54.7	4.7	1.1	53.7	55.6
Hungary	391	10.2	1.5	5.4	0.0	5.3	5.8	31.0	0.7	40.0	17.1	31.9	8.1	15.1	19.1
Iceland	235	2.2	4.7	2.6	0.0	6.3	3.1	57.6	0.6	23.0	9.5	18.3	4.7	7.5	11.4
Iran, Islamic Rep.	475	0.1	0.0	0.1	0.0	0.1	4.2	31.9	0.0	63.6	0.2	46.3	17.3	0.4	.
Ireland	395	6.8	0.0	6.0	0.5	10.4	2.1	46.8	2.3	25.1	13.3	15.3	9.7	12.0	14.8
Israel	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Japan	637	29.6	1.1	13.1	0.0	1.2	1.3	41.1	0.2	12.5	43.7	9.2	3.3	38.8	48.2
Korea	368	32.6	0.0	3.4	0.0	2.9	1.4	34.6	0.0	25.2	36.0	23.6	1.6	30.9	39.6
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	320	8.4	1.5	1.3	0.0	3.8	0.3	36.7	0.2	47.8	11.2	40.8	7.0	10.0	12.5
Lithuania	313	4.7	0.3	0.0	0.0	5.5	0.9	28.6	0.7	59.4	4.9	52.2	7.2	6.3	3.6
Netherlands	258	6.8	6.7	11.4	0.0	12.5	4.6	45.8	4.5	7.8	24.9	5.8	1.9	24.6	25.2
New Zealand	394	5.1	0.3	9.0	0.0	8.5	11.7	47.3	0.2	18.0	14.4	12.9	5.1	18.1	10.8
Norway	313	2.2	2.9	7.0	0.0	6.3	3.1	50.8	9.0	18.6	12.2	12.7	5.9	13.9	10.7
Philippines	732	6.7	0.0	0.0	0.0	14.3	9.8	44.5	2.7	21.9	6.7	19.0	2.9	5.4	8.1
Portugal	419	3.2	0.7	2.4	0.0	2.0	4.5	34.5	1.7	50.9	6.3	43.2	7.7	7.4	5.2
Romania	472	14.7	0.3	0.2	0.0	1.2	1.0	38.1	0.5	44.0	15.2	37.8	6.2	17.0	13.6
Russian Federation	511	12.8	0.9	1.9	0.2	8.9	0.3	32.4	0.8	41.8	15.8	33.1	8.7	15.7	15.9
Scotland	362	2.7	3.6	6.8	0.0	6.1	9.8	46.2	1.7	23.1	13.1	17.4	5.7	10.1	16.2
Singapore	473	52.9	0.4	5.0	0.4	10.6	2.3	26.0	0.0	2.3	58.7	1.4	0.9	60.1	57.2
Slovak Republic	451	12.4	0.2	6.0	0.0	6.7	2.6	26.9	2.1	43.1	18.6	36.9	6.2	16.3	20.9
Slovenia	364	12.6	2.9	1.1	0.8	7.3	3.2	45.0	0.8	26.3	17.4	18.4	7.9	16.8	18.1
South Africa	700	1.5	0.2	0.2	0.3	1.9	7.3	58.3	2.4	27.9	2.1	22.9	5.0	0.8	3.9
Spain	484	7.5	0.3	1.0	0.3	7.7	3.0	37.2	1.3	41.7	9.1	35.4	6.3	8.1	10.3
Sweden	329	4.7	10.4	5.9	0.0	14.2	3.7	36.2	5.1	19.9	20.9	16.5	3.4	24.1	17.7
Switzerland	520	8.7	0.6	6.9	0.0	14.6	4.5	37.2	2.7	24.7	16.2	21.7	3.1	13.6	18.7
Thailand	770	9.1	1.1	4.6	0.0	16.5	6.8	53.9	0.3	7.6	14.8	5.3	2.3	15.5	13.9
United States	482	6.6	2.3	4.1	0.0	5.3	10.3	58.5	2.3	10.6	13.1	7.6	3.0	13.2	13.0
INTERNATIONAL AVG	.	10.9	1.4	4.2	0.5	6.8	3.7	41.1	1.7	29.8	17.0	24.4	5.4	16.5	18.9

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: T01A
 Solve multi-step algebra word problem of simultaneous equations. (Algebra)
 Difficulty: 627

COUNTRY	N	20	10	11	70	71	72	79	90	99	V1	V2	NOT	1.GIRL	2.BOY	
													REACH			% Right	% Right
													ED			
Australia	1376	25.1	0.4	2.7	15.8	6.3	1.7	26.7	5.0	16.3	28.2	25.1	2.0	14.4	23.0	27.1
Austria	757	24.8	0.1	4.9	12.2	5.2	2.8	34.6	3.9	11.5	29.8	24.8	1.7	9.8	25.3	23.7
Belgium (Fl)	711	53.6	2.0	1.0	18.3	2.1	0.9	14.2	1.1	6.9	56.6	53.6	1.3	5.6	55.8	51.4
Belgium (Fr)	569	25.2	4.4	0.0	0.0	0.0	0.0	49.7	0.0	20.7	29.6	25.2	4.4	16.3	27.8	21.9
Bulgaria	543	30.6	2.3	2.6	2.4	4.4	0.0	13.1	3.1	41.5	35.5	30.6	4.9	36.6	29.2	31.3
Canada	2046	21.1	0.4	2.4	16.6	4.5	1.1	37.3	3.8	12.9	23.9	21.1	1.6	11.3	21.5	21.1
Colombia	658	1.8	0.2	2.5	4.0	5.0	0.3	30.5	2.1	53.5	4.6	1.8	18.2	35.2	1.2	2.3
Cyprus	769	18.8	2.0	3.6	6.3	1.9	0.6	27.2	0.6	39.0	24.4	18.8	3.8	35.3	18.6	19.1
Czech Republic	844	38.6	1.1	5.9	6.8	3.5	0.7	21.2	7.3	15.0	45.6	38.6	3.5	11.5	37.2	40.0
Denmark	547	15.8	0.5	5.4	10.2	6.5	0.6	24.3	0.8	35.9	21.7	15.8	10.5	25.5	14.3	17.0
England	441	20.6	0.2	2.6	14.2	8.2	1.2	33.7	6.3	12.9	23.4	20.6	0.6	12.3	16.0	24.2
France	752	13.8	0.4	2.4	18.3	5.0	2.2	31.1	1.4	25.4	16.6	13.8	3.9	21.5	12.3	15.9
Germany	731	15.7	0.4	2.4	9.5	6.7	1.0	24.6	4.2	35.4	18.5	15.7	7.7	27.7	13.0	18.8
Greece	973	12.8	0.8	1.7	10.7	4.4	1.2	34.5	5.1	28.9	15.3	12.8	3.5	25.4	13.7	12.1
Hong Kong	846	44.1	1.3	9.1	9.7	2.5	0.3	19.1	1.4	12.5	54.5	44.1	0.5	12.0	41.4	46.4
Hungary	774	28.7	1.4	5.4	7.9	3.6	1.0	24.3	5.0	22.6	35.5	28.7	6.7	15.9	30.9	26.2
Iceland	484	12.7	0.1	1.7	17.1	7.8	1.0	33.2	3.2	23.2	14.6	12.7	2.0	21.1	13.4	12.2
Iran, Islamic Rep.	940	8.3	0.4	1.2	6.9	4.6	4.8	48.3	0.1	25.4	9.9	8.3	2.6	22.8	7.4	9.1
Ireland	775	28.9	1.9	3.6	18.8	3.9	1.3	28.2	3.4	10.1	34.4	28.9	0.8	9.2	23.5	35.3
Israel	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Japan	1281	41.3	1.1	3.2	17.2	4.1	0.4	17.6	5.3	9.8	45.6	41.3	0.3	9.5	40.9	41.6
Korea	747	34.5	2.6	5.2	14.0	2.2	1.0	28.2	0.0	12.3	42.3	34.5	0.4	11.9	30.4	37.5
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	637	18.7	1.3	2.0	9.1	6.8	0.7	22.9	5.1	33.4	22.0	18.7	7.4	26.0	17.4	20.0
Lithuania	633	18.4	0.4	2.4	6.2	2.7	0.6	17.8	4.2	47.2	21.2	18.4	15.5	31.7	19.5	17.3
Netherlands	520	28.4	0.0	5.0	20.1	2.4	0.6	27.1	7.4	9.0	33.5	28.4	0.2	8.8	26.8	30.0
New Zealand	785	21.7	0.5	4.2	13.0	2.9	1.5	38.5	1.5	16.2	26.3	21.7	2.9	13.2	19.0	24.0
Norway	618	15.8	0.3	2.1	19.9	3.5	1.5	32.4	8.1	16.3	18.3	15.8	3.5	12.8	14.0	17.5
Philippines	1459	8.8	0.5	3.6	6.4	3.4	1.9	47.2	4.9	23.3	13.0	8.8	2.7	20.6	8.7	9.0
Portugal	836	4.6	0.7	1.6	8.1	3.2	1.2	38.8	6.8	35.0	7.0	4.6	4.6	30.4	3.3	6.0
Romania	937	30.3	2.8	2.2	3.1	3.5	0.5	22.8	0.7	34.2	35.2	30.3	7.2	26.9	31.6	28.9
Russian Federation	1041	34.7	2.5	2.9	6.1	4.8	1.1	21.7	3.2	22.9	40.1	34.7	5.2	17.8	34.7	34.8
Scotland	712	17.3	0.8	3.7	14.2	5.3	0.3	29.5	5.7	23.0	21.9	17.3	1.7	21.4	18.9	15.9
Singapore	910	62.9	1.1	5.2	11.5	1.6	0.6	13.2	0.1	3.7	69.2	62.9	0.5	3.3	65.5	60.4
Slovak Republic	915	28.6	2.7	4.6	4.6	2.9	0.6	19.9	10.5	25.5	36.0	28.6	5.7	19.8	31.8	25.3
Slovenia	720	16.7	1.4	2.4	13.9	5.2	1.1	33.2	3.4	22.7	20.5	16.7	1.3	21.4	12.3	21.5
South Africa	1381	3.7	0.4	1.0	1.5	2.7	0.3	38.3	0.9	51.1	5.2	3.7	6.1	45.1	3.1	4.7
Spain	963	15.8	0.6	3.2	14.9	9.3	1.2	33.5	1.2	20.3	19.7	15.8	5.2	15.1	14.8	16.9
Sweden	693	19.8	0.0	2.2	23.4	5.8	1.0	26.4	9.2	12.2	22.0	19.8	1.5	10.7	20.7	19.1
Switzerland	1019	26.8	1.5	4.0	15.1	3.8	1.4	30.5	2.8	14.1	32.4	26.8	3.2	10.9	25.3	28.2
Thailand	1509	20.8	0.2	3.4	13.4	13.5	1.3	23.4	0.2	24.0	24.3	20.8	1.1	22.9	22.1	19.1
United States	959	19.8	0.1	2.5	13.0	6.5	0.9	43.7	3.0	10.7	22.3	19.8	1.1	9.6	21.1	18.4
INTERNATIONAL AVG	.	23.3	1.1	3.2	11.4	4.6	1.1	29.1	3.6	22.9	27.5	23.3	3.9	19.0	22.7	23.8

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: T01B
 Solve multi-step algebra word problem of simultaneous equations. (Algebra)
 Difficulty: 631

COUNTRY	N	10	11	12	19	70	71	79	90	99	V1	NOT	1. GIRL	2. BOY	
												REACH			% Right	% Right
												ED			
Australia	1376	2.0	9.1	9.8	5.0	7.7	23.4	21.3	2.8	19.0	25.9	9.2	9.8	24.1	27.6
Austria	757	10.6	3.2	10.4	1.2	9.0	39.2	10.3	4.2	11.8	25.4	6.6	5.2	26.3	23.6
Belgium (Fl)	711	7.6	10.1	37.7	1.4	1.8	28.9	4.1	0.6	7.7	56.9	4.3	3.4	59.3	54.5
Belgium (Fr)	569	0.0	0.0	0.0	26.6	0.0	0.0	52.3	0.0	21.1	26.6	11.7	9.4	27.0	26.3
Bulgaria	543	35.4	0.2	0.2	0.3	1.1	4.7	10.6	1.9	45.6	36.2	34.9	10.7	36.2	35.9
Canada	2046	0.4	5.7	9.6	4.5	5.1	33.9	22.8	3.4	14.7	20.2	6.4	8.3	20.7	20.1
Colombia	658	0.4	0.3	0.9	0.0	18.6	11.7	13.7	0.8	53.5	1.6	40.8	12.7	0.9	2.4
Cyprus	769	5.2	5.0	18.1	0.7	10.4	18.6	2.2	0.1	39.8	28.9	21.0	18.8	30.6	27.3
Czech Republic	844	37.1	1.6	3.5	0.6	2.3	14.7	17.9	6.8	15.4	42.8	11.4	4.0	41.7	43.8
Denmark	547	0.0	3.2	11.0	1.2	4.8	30.4	11.0	2.0	36.4	15.4	23.5	12.9	13.5	17.0
England	441	0.6	6.1	13.3	0.4	6.7	41.1	12.2	4.6	15.0	20.4	5.2	9.7	17.5	22.7
France	752	1.2	2.9	9.5	0.6	2.3	38.5	15.6	1.4	28.0	14.2	15.0	13.0	12.7	16.4
Germany	724	2.6	4.9	8.5	0.7	6.7	23.5	10.2	3.4	39.5	16.8	22.2	17.3	16.2	17.6
Greece	973	0.5	1.4	11.4	0.2	2.7	34.4	16.0	4.2	29.3	13.5	16.6	12.7	14.5	12.6
Hong Kong	846	41.1	1.3	7.4	0.9	1.3	20.6	12.8	1.8	12.9	50.6	4.5	8.4	50.1	51.1
Hungary	774	21.0	3.1	8.9	0.3	6.8	5.8	19.5	4.8	29.9	33.2	15.8	14.1	37.6	28.4
Iceland	484	0.0	3.8	4.1	2.6	7.8	34.9	19.5	3.9	23.4	10.5	9.9	13.5	11.9	9.3
Iran, Islamic Rep.	940	4.2	0.6	2.8	0.1	6.6	19.1	32.7	0.1	33.8	7.8	19.1	14.7	7.4	8.1
Ireland	775	1.8	5.8	23.4	0.8	2.7	37.8	13.6	2.8	11.3	31.7	4.2	7.1	26.8	37.6
Israel	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Japan	1281	14.2	5.7	22.2	2.4	2.3	28.5	9.4	5.2	10.1	44.5	4.3	5.8	43.5	45.4
Korea	747	18.8	6.1	10.9	3.7	3.2	26.2	15.0	0.0	16.2	39.4	4.0	12.2	35.1	42.4
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	637	10.5	1.3	8.8	0.2	4.5	13.8	18.6	3.2	39.0	20.8	22.7	16.3	20.9	20.6
Lithuania	633	15.1	1.3	2.9	1.1	2.3	14.8	11.1	5.2	46.3	20.3	35.8	10.5	22.2	18.4
Netherlands	520	0.0	9.6	16.1	1.6	5.3	34.2	16.6	7.4	9.3	27.3	1.6	7.6	25.2	29.3
New Zealand	785	0.0	8.7	8.9	3.0	8.6	38.7	13.2	1.6	17.3	20.6	9.6	7.6	18.4	22.6
Norway	618	0.3	7.2	7.2	1.7	2.1	47.2	9.9	7.4	17.0	16.4	8.6	8.4	14.7	18.0
Philippines	1459	7.6	0.6	0.4	0.9	15.2	9.9	34.6	4.8	25.9	9.5	11.3	14.6	9.5	9.6
Portugal	836	1.1	1.2	3.4	0.0	9.9	22.1	15.2	6.6	40.6	5.6	18.9	21.7	5.1	6.1
Romania	937	15.3	1.0	15.8	2.1	1.1	8.8	15.2	0.0	40.8	34.2	28.3	12.5	35.7	32.8
Russian Federation	1041	31.0	1.2	5.0	0.2	0.8	12.7	20.3	3.1	25.7	37.4	17.9	7.8	38.4	36.3
Scotland	712	0.6	3.8	12.2	1.4	5.8	32.2	11.8	2.4	29.7	18.0	8.3	21.4	20.5	15.6
Singapore	910	18.4	0.4	46.9	0.2	0.0	15.3	14.5	0.1	4.1	65.9	2.1	2.0	68.3	63.5
Slovak Republic	915	29.6	1.1	2.6	0.5	3.8	20.5	6.5	8.8	26.6	33.8	18.8	7.8	38.5	28.8
Slovenia	720	3.9	3.1	6.6	2.5	3.7	21.4	30.7	4.3	23.7	16.1	9.9	13.8	13.1	19.4
South Africa	1381	0.7	1.0	1.9	0.5	9.5	6.4	20.4	0.8	58.8	4.1	18.1	40.7	3.6	5.1
Spain	963	7.4	2.3	5.3	0.2	16.8	31.1	13.8	0.8	22.4	15.1	14.5	7.9	15.6	14.6
Sweden	693	0.0	7.4	6.7	3.0	8.6	38.5	13.9	9.3	12.6	17.1	6.7	5.9	17.8	16.5
Switzerland	1019	0.5	11.8	11.6	1.4	13.8	28.2	15.0	2.7	15.0	25.2	9.7	5.3	26.0	24.6
Thailand	1509	4.5	0.6	15.0	0.3	0.1	36.5	17.7	7.2	18.1	20.4	5.3	12.8	21.5	19.0
United States	959	2.4	5.5	9.8	2.7	3.6	41.9	18.9	2.8	12.4	20.4	3.7	8.7	23.0	17.7
INTERNATIONAL AVG	.	8.8	3.7	10.3	1.9	5.6	24.8	16.5	3.3	25.0	24.8	13.6	11.4	24.8	24.7

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: T02A
 Solve algebra word problem involving ratios. (Proportionality)
 Difficulty: 699

COUNTRY	N	10	70	71	72	73	79	90	99	V1	NOT	1.GIRL	2.BOY	
											REACH			OMIT	% Right	% Right
											ED			
Australia	1376	17.4	6.6	4.8	26.4	3.5	16.7	3.9	20.6	17.4	9.9	10.6	18.3	16.6
Austria	757	17.8	5.6	7.0	26.9	3.0	14.7	7.0	18.0	17.8	6.7	11.2	17.3	18.2
Belgium (Fl)	711	20.2	8.8	4.7	24.9	4.4	17.8	0.6	18.5	20.2	4.5	14.0	22.3	18.2
Belgium (Fr)	569	13.5	0.0	0.0	0.0	0.0	58.0	0.0	28.5	13.5	11.9	16.6	13.9	11.0
Bulgaria	543	14.3	1.4	1.8	12.1	1.0	6.8	1.5	61.1	14.3	38.9	22.2	15.1	13.2
Canada	2046	17.5	6.2	4.3	32.6	3.3	20.3	2.2	13.6	17.5	6.5	7.1	18.1	17.3
Colombia	658	1.0	3.7	0.1	12.7	2.2	21.8	0.6	57.8	1.0	40.8	17.0	.	1.9
Cyprus	769	9.5	11.7	4.9	20.6	1.2	18.2	0.2	33.6	9.5	21.0	12.7	10.6	8.6
Czech Republic	844	9.7	12.8	3.5	16.9	1.4	10.8	1.3	43.5	9.7	11.6	31.9	10.1	9.3
Denmark	547	11.3	2.7	6.0	16.5	1.8	15.8	0.0	45.9	11.3	24.5	21.4	9.5	12.7
England	441	20.7	6.2	3.3	26.7	3.4	24.7	3.4	11.6	20.7	5.5	6.2	21.1	20.3
France	752	8.8	9.4	0.8	29.3	6.6	11.4	0.6	33.1	8.8	16.0	17.1	8.2	9.5
Germany	730	15.5	3.8	3.3	18.9	2.3	10.2	1.3	44.7	15.5	24.2	20.5	17.1	14.0
Greece	971	9.5	6.2	3.3	22.6	3.6	18.3	2.3	34.1	9.5	17.5	16.6	9.4	9.7
Hong Kong	844	24.7	9.4	1.6	20.0	8.4	25.4	0.6	9.8	24.7	4.5	5.2	26.4	23.3
Hungary	774	12.7	6.7	0.9	18.3	10.4	15.2	0.5	35.3	12.7	18.0	17.3	12.6	12.8
Iceland	484	11.8	8.4	2.7	22.6	4.4	25.7	4.4	20.1	11.8	9.9	10.2	14.7	9.4
Iran, Islamic Rep.	940	4.6	6.3	0.4	24.5	2.7	15.7	0.0	45.7	4.6	22.2	23.5	4.5	4.7
Ireland	775	22.3	4.1	7.7	28.1	3.5	19.3	1.8	13.2	22.3	4.8	8.4	20.3	24.6
Israel	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Japan	1281	32.6	9.0	2.4	23.7	4.6	17.2	0.3	10.3	32.6	4.3	6.0	32.0	33.1
Korea	747	26.2	9.3	9.1	28.8	4.7	15.0	0.0	6.9	26.2	4.4	2.5	25.1	27.0
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	637	11.0	6.7	3.2	17.7	2.5	13.7	1.6	43.7	11.0	24.9	18.8	11.4	10.7
Lithuania	633	3.3	5.5	2.3	7.5	0.7	12.8	1.5	66.5	3.3	36.2	30.3	3.9	2.8
Netherlands	520	29.3	10.4	4.3	26.7	2.5	13.9	4.7	8.2	29.3	1.6	6.5	28.1	30.4
New Zealand	786	16.4	4.8	3.0	26.2	2.6	26.7	1.0	19.4	16.4	10.3	9.1	17.6	15.2
Norway	618	21.6	8.2	3.4	16.0	1.1	18.5	8.5	22.7	21.6	8.6	14.1	23.6	19.8
Philippines	1459	5.3	19.1	2.6	24.8	0.9	25.8	4.5	16.9	5.3	11.6	5.3	5.5	5.2
Portugal	836	4.6	6.2	1.5	28.0	4.3	20.5	1.0	34.0	4.6	19.9	14.1	5.0	4.3
Romania	935	12.7	1.8	2.7	13.3	3.0	12.3	0.2	54.0	12.7	31.6	22.5	13.4	12.0
Russian Federation	1041	21.9	4.4	4.6	12.6	0.9	8.8	0.3	46.4	21.9	19.1	27.2	20.8	23.2
Scotland	712	15.7	4.9	3.8	26.3	5.9	22.5	1.7	19.1	15.7	10.0	9.1	15.9	15.7
Singapore	910	37.3	8.7	6.7	23.9	3.3	13.4	0.0	6.6	37.3	2.1	4.5	39.0	35.6
Slovak Republic	915	11.6	5.1	2.0	19.0	0.5	13.8	1.6	46.3	11.6	19.6	26.7	10.5	12.8
Slovenia	720	22.5	5.2	5.8	27.0	2.2	9.4	0.6	27.4	22.5	11.7	15.7	24.2	20.8
South Africa	1381	2.2	4.5	0.8	16.4	0.7	51.8	0.9	22.6	2.2	18.6	4.0	1.6	3.2
Spain	963	13.5	5.8	3.9	23.0	3.2	18.6	0.2	31.8	13.5	15.2	16.5	13.3	13.7
Sweden	693	29.6	2.2	4.3	24.2	0.4	18.4	5.4	15.5	29.6	6.7	8.7	31.8	27.3
Switzerland	1021	17.8	5.5	5.3	19.4	4.0	15.2	5.1	27.6	17.8	10.2	17.5	19.8	16.1
Thailand	1509	18.3	10.9	3.8	35.2	5.3	16.3	0.1	10.2	18.3	5.5	4.7	19.6	16.5
United States	959	10.3	7.3	5.0	33.2	3.9	27.4	1.7	11.2	10.3	3.8	7.4	11.0	9.5
INTERNATIONAL AVG	.	15.7	6.6	3.5	21.8	3.1	19.0	1.8	28.4	15.7	14.4	14.0	16.5	15.3

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: T02B
 Solve multi-step word problem computing fractions. (Proportionality)
 Difficulty: 815

COUNTRY	N	10	19	70	71	72	73	74	79	90	99	V1	NOT	OMIT	1.GIRL	2.BOY
													REACH		% Right	% Right
													ED			
Australia	1376	5.6	0.5	4.0	4.7	25.0	3.1	22.3	7.6	4.6	22.6	6.1	18.7	3.9	6.3	5.9
Austria	757	6.6	1.1	5.1	3.4	21.3	6.5	10.2	11.8	8.1	25.9	7.7	15.9	10.0	6.9	8.2
Belgium (Fl)	711	4.1	0.3	2.8	2.5	13.4	2.5	16.8	30.0	0.9	26.7	4.4	17.3	9.4	4.3	4.5
Belgium (Fr)	569	0.0	4.2	0.0	0.0	0.0	0.0	0.0	61.6	0.0	34.2	4.2	26.7	7.5	2.3	6.7
Bulgaria	543	6.3	0.8	0.4	0.7	2.4	0.0	21.4	3.4	2.1	62.6	7.1	58.6	4.0	7.9	5.9
Canada	2046	4.8	0.7	4.0	7.2	23.4	2.4	28.1	10.5	2.8	16.1	5.5	12.4	3.7	6.6	4.6
Colombia	658	1.9	0.1	2.1	0.7	5.1	0.3	17.2	13.8	0.3	58.5	2.0	55.0	3.5	1.5	2.6
Cyprus	769	5.7	0.0	4.6	2.2	22.8	4.6	6.6	10.1	0.9	42.5	5.7	31.4	11.1	6.0	5.4
Czech Republic	844	5.4	0.1	7.0	3.2	13.8	3.0	2.0	17.0	1.9	46.6	5.5	41.9	4.7	4.6	6.5
Denmark	547	6.3	0.1	2.7	3.2	8.1	3.0	15.4	8.8	0.2	52.1	6.4	43.9	8.2	4.8	8.1
England	441	7.3	1.1	3.8	3.7	24.1	2.6	25.8	10.5	5.1	16.0	8.4	10.3	5.7	6.2	10.2
France	752	1.9	1.1	4.0	2.4	19.5	2.9	10.9	19.4	0.8	37.1	3.1	29.9	7.2	3.3	2.8
Germany	730	4.7	0.4	2.3	3.8	14.9	4.1	8.4	6.7	1.0	53.5	5.2	43.4	10.1	6.5	3.8
Greece	968	2.8	2.4	4.1	2.4	20.2	1.5	4.8	17.2	3.7	40.9	5.2	31.9	9.0	4.2	6.2
Hong Kong	841	12.5	0.1	4.3	6.1	31.1	7.0	16.0	13.4	0.4	9.1	12.7	7.8	1.3	13.8	11.6
Hungary	774	5.7	0.0	3.4	2.6	24.0	2.0	14.1	8.6	0.8	38.8	5.7	32.7	6.1	5.3	6.1
Iceland	484	2.0	0.1	1.1	2.3	7.5	0.6	34.3	6.6	12.0	33.6	2.1	19.3	14.3	1.6	2.6
Iran, Islamic Rep.	939	0.8	0.2	9.3	1.3	5.0	2.8	4.1	30.5	0.4	45.7	0.9	38.8	6.9	0.3	1.4
Ireland	775	8.1	0.4	3.7	5.2	21.7	3.1	23.9	13.7	1.9	18.4	8.5	11.9	6.4	7.7	9.5
Israel	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Japan	1281	13.9	0.9	5.5	5.3	31.8	4.2	5.6	20.4	0.5	11.7	14.8	9.2	2.6	12.1	17.3
Korea	747	7.5	0.1	7.7	23.9	23.7	12.2	1.9	13.8	0.0	9.2	7.6	6.3	2.9	7.3	7.9
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	637	6.1	0.4	1.6	2.4	16.9	1.4	15.6	8.1	1.3	46.3	6.6	41.1	5.2	6.2	7.0
Lithuania	633	1.2	0.0	0.4	0.7	0.1	0.0	21.1	4.0	1.4	71.1	1.2	64.8	6.3	1.3	1.1
Netherlands	520	8.7	0.2	2.7	7.5	32.0	5.7	18.4	11.5	6.2	7.0	8.9	6.0	1.0	10.3	7.7
New Zealand	786	4.2	1.1	4.2	3.9	23.4	2.6	27.9	10.4	0.2	22.2	5.3	18.2	3.9	5.7	4.9
Norway	618	5.7	1.3	7.2	5.9	15.8	4.6	6.2	14.8	12.1	26.3	6.9	19.8	6.5	7.2	6.7
Philippines	1448	5.2	0.3	14.6	4.9	15.1	2.0	13.7	16.4	3.6	24.2	5.5	15.8	8.4	5.1	6.0
Portugal	836	2.5	0.1	5.3	1.6	18.4	1.2	7.6	23.1	2.0	38.0	2.7	30.0	8.0	2.6	2.8
Romania	931	3.5	0.2	4.5	1.0	10.0	1.6	2.7	15.7	0.6	60.2	3.8	50.8	9.3	4.0	3.6
Russian Federation	1041	6.3	0.2	3.3	2.9	8.0	2.2	10.0	9.8	2.1	55.2	6.5	45.1	10.1	6.9	5.9
Scotland	712	4.8	0.2	3.6	1.5	25.2	2.1	26.7	10.2	2.7	23.0	5.1	17.8	5.3	4.8	5.4
Singapore	910	14.1	0.1	5.0	11.2	27.0	5.5	12.1	16.6	0.2	8.1	14.3	6.3	1.8	13.6	14.9
Slovak Republic	915	2.3	0.4	1.8	0.7	11.4	0.9	22.1	6.3	2.4	51.6	2.8	44.3	7.3	1.9	3.6
Slovenia	719	5.5	0.9	3.4	4.4	15.8	3.3	8.1	18.4	0.9	39.4	6.4	26.0	13.4	6.9	5.9
South Africa	1381	2.8	0.2	7.2	2.0	10.7	1.4	17.5	29.8	0.9	27.4	3.1	21.4	6.0	3.7	2.4
Spain	963	3.3	1.6	2.8	3.0	14.0	2.0	21.1	14.6	0.6	37.1	4.9	29.4	7.7	4.8	5.0
Sweden	693	7.0	0.1	4.0	5.6	14.5	8.6	7.0	21.5	11.0	20.7	7.1	14.6	6.2	7.1	7.2
Switzerland	1021	5.3	1.2	5.6	3.2	16.4	6.2	11.0	11.9	6.1	33.1	6.6	26.5	6.6	5.4	7.6
Thailand	1509	2.9	1.4	10.5	17.0	25.8	4.1	9.2	15.7	0.4	13.1	4.3	9.6	3.5	4.3	4.2
United States	959	3.7	0.7	5.3	5.9	30.2	2.8	24.7	12.1	1.6	13.0	4.4	10.1	2.9	4.5	4.3
INTERNATIONAL AVG	.	5.2	0.6	4.4	4.3	17.2	3.2	14.3	15.2	2.6	33.0	5.9	26.5	6.4	5.6	6.1

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: U01A
 Estimate the time required to record 5 songs. (Fractions and number sense)
 Difficulty: 631

COUNTRY	N	NOT REACH ED										OMIT	1. GIRL % Right	2. BOY % Right	
		10	11	70	71	72	73	79	90	99	V1				
Australia	1411	31.3	14.0	3.2	7.1	3.1	1.4	30.4	1.1	8.5	45.2	2.0	6.4	43.4	47.2
Austria	750	28.1	10.1	3.4	3.6	6.3	1.7	42.7	0.2	4.0	38.2	1.8	2.2	41.5	35.0
Belgium (Fl)	702	36.9	10.7	0.9	3.1	13.1	1.1	32.0	0.3	1.8	47.6	0.3	1.5	46.7	48.4
Belgium (Fr)	575	34.7	0.0	0.0	0.0	0.0	0.0	49.7	0.0	15.6	34.7	3.9	11.6	34.7	34.7
Bulgaria	460	11.1	2.1	1.0	2.0	14.0	2.6	36.6	0.4	30.2	13.3	12.5	17.7	14.7	11.9
Canada	2032	29.1	14.0	3.2	11.7	3.2	1.5	31.4	1.1	4.8	43.1	0.8	4.0	41.4	45.5
Colombia	665	2.2	0.4	0.9	0.7	4.5	0.4	40.5	1.5	49.1	2.6	13.2	35.8	2.5	2.7
Cyprus	757	9.0	2.4	1.4	1.5	0.3	0.1	51.5	1.6	32.2	11.4	11.0	21.2	9.1	13.6
Czech Republic	830	35.9	10.2	2.3	5.8	9.9	1.4	29.3	0.6	4.7	46.1	1.3	3.4	42.8	49.4
Denmark	543	7.7	2.1	1.5	2.0	12.3	0.5	57.8	0.0	16.1	9.8	4.5	11.7	11.2	8.1
England	450	32.4	16.2	2.1	7.1	3.2	0.5	32.4	1.8	4.3	48.6	0.4	3.9	49.6	47.6
France	748	11.7	3.7	1.0	2.1	15.8	0.7	48.4	0.9	15.7	15.4	2.7	13.0	15.6	15.3
Germany	729	30.1	8.1	1.8	3.6	8.4	0.2	35.3	0.3	12.1	38.3	4.8	7.3	38.1	39.5
Greece	984	14.5	4.8	1.2	5.7	5.5	0.7	30.8	2.4	34.3	19.4	5.8	28.5	14.5	23.8
Hong Kong	846	26.0	14.3	1.8	3.4	11.5	1.0	35.6	0.7	5.6	40.3	1.6	4.0	41.7	39.3
Hungary	771	23.2	5.9	4.3	4.9	4.6	0.8	46.5	0.8	9.0	29.1	3.8	5.2	28.9	29.4
Iceland	493	16.9	12.6	2.6	23.7	0.5	0.5	28.1	1.7	13.3	29.5	2.9	10.4	22.2	35.4
Iran, Islamic Rep.	933	6.1	0.0	2.6	0.4	19.3	0.1	53.1	0.4	17.8	6.2	6.0	11.8	7.7	4.9
Ireland	758	33.8	11.2	2.1	7.3	6.5	0.7	33.0	1.6	3.8	45.0	0.1	3.6	42.5	48.2
Israel	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Japan	1291	53.3	21.0	2.6	6.3	0.9	1.5	11.7	0.8	1.8	74.3	0.6	1.3	73.5	75.2
Korea	738	38.5	14.1	1.4	10.4	8.5	0.9	20.0	0.0	6.2	52.6	0.5	5.6	49.0	55.3
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	637	6.2	2.5	1.6	8.0	18.0	0.6	33.0	2.6	27.5	8.8	6.6	21.0	6.2	11.1
Lithuania	626	4.8	0.8	0.4	1.5	14.8	0.3	31.7	0.9	44.9	5.6	14.2	30.7	4.0	7.2
Netherlands	521	29.5	11.4	2.5	5.8	9.7	0.4	38.3	1.4	1.1	41.0	0.2	0.9	41.3	40.7
New Zealand	798	29.1	13.8	2.6	7.4	2.9	1.3	37.5	0.1	5.3	42.8	1.7	3.6	43.4	42.3
Norway	612	19.1	13.4	1.2	9.7	2.4	1.1	28.8	4.2	20.1	32.5	3.9	16.3	28.2	36.1
Philippines	1459	17.1	2.0	4.6	2.0	2.8	0.1	41.5	3.8	26.0	19.1	5.2	20.8	20.7	17.3
Portugal	836	9.3	3.0	2.9	3.6	5.5	0.1	45.9	1.6	28.0	12.3	4.6	23.3	12.1	12.6
Romania	930	3.6	1.1	0.4	0.3	22.9	1.3	42.3	0.4	27.7	4.7	8.7	18.9	4.5	5.0
Russian Federation	1053	21.7	2.8	1.0	4.7	18.4	0.7	33.9	0.7	16.0	24.5	6.9	9.0	24.0	25.1
Scotland	714	29.0	14.2	3.6	6.1	4.0	0.9	34.5	1.0	6.7	43.2	0.4	6.3	43.8	42.7
Singapore	888	32.8	29.6	1.9	5.5	3.5	2.0	21.1	0.1	3.6	62.3	0.5	3.1	62.3	62.4
Slovak Republic	895	34.2	4.8	2.7	6.3	5.6	0.6	32.9	0.5	12.4	39.0	3.2	9.2	35.2	42.7
Slovenia	716	16.6	1.9	2.0	3.6	16.8	0.5	45.2	0.8	12.6	18.5	2.3	10.3	15.1	21.8
South Africa	1329	2.2	1.7	1.4	1.9	1.2	0.5	58.6	1.6	30.9	3.9	11.2	19.7	1.7	6.7
Spain	944	8.7	1.9	1.8	1.7	9.8	0.4	44.1	0.4	31.2	10.6	4.0	27.2	10.0	11.2
Sweden	725	42.7	10.6	1.7	14.9	1.2	1.0	18.9	1.9	7.1	53.3	1.3	5.8	50.6	55.8
Switzerland	999	38.7	8.2	2.0	4.8	6.1	1.1	32.5	0.7	5.9	46.8	1.3	4.5	43.9	49.7
Thailand	1473	25.0	4.6	2.4	6.2	6.7	0.1	48.0	0.0	7.0	29.6	1.3	5.7	29.9	29.7
United States	971	24.1	18.7	2.8	8.1	2.9	1.0	35.2	1.1	6.2	42.8	1.4	4.8	41.2	44.5
INTERNATIONAL AVG	.	22.7	8.1	2.0	5.4	7.7	0.8	37.0	1.0	15.3	30.8	4.0	11.3	29.7	31.9

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: U01B
 Explain method of estimation. (Fractions and number sense)
 Difficulty: 639

COUNTRY	N	NOT REACH ED										OMIT	1.GIRL % Right	2.BOY % Right		
		10	11	12	13	19	70	71	79	90	99				V1	
Australia	1411	7.1	2.4	21.4	3.3	4.1	5.5	2.4	37.8	2.1	13.8	38.4	5.2	8.5	39.6	37.1
Austria	750	5.9	2.0	14.2	0.6	13.7	0.4	0.3	45.5	2.7	14.8	36.4	2.8	11.9	40.7	32.4
Belgium (Fl)	702	10.0	0.8	12.9	2.6	19.7	1.8	2.0	42.9	0.4	7.0	46.0	0.9	6.2	47.5	44.7
Belgium (Fr)	575	0.0	0.0	0.0	0.0	21.5	0.0	0.0	55.9	0.0	22.7	21.5	7.6	15.1	20.6	22.1
Bulgaria	460	3.6	0.5	1.6	5.2	0.8	0.8	3.8	37.5	2.1	44.2	11.6	22.8	21.4	14.5	8.6
Canada	2032	9.8	1.7	19.8	2.0	7.5	6.3	4.6	34.4	2.4	11.3	40.9	3.2	8.1	42.8	39.7
Colombia	665	0.4	0.0	1.0	0.6	0.5	1.7	0.0	37.7	1.2	56.9	2.5	34.1	22.8	2.1	3.0
Cyprus	757	2.8	0.1	1.6	7.3	3.7	0.8	6.1	27.2	1.3	49.0	15.5	19.4	29.6	14.1	17.0
Czech Republic	830	2.5	0.1	12.3	4.1	26.9	0.4	2.6	35.7	1.3	14.2	45.9	3.8	10.4	42.1	49.6
Denmark	543	2.2	0.6	1.6	6.5	1.9	2.0	22.9	35.7	1.0	25.6	12.8	11.7	13.9	12.2	13.3
England	450	4.6	1.8	22.0	1.2	11.9	1.1	2.2	42.0	1.2	12.0	41.5	1.5	10.5	44.1	39.1
France	748	2.9	0.4	3.6	2.5	1.3	1.2	1.1	61.3	2.1	23.5	10.8	5.4	18.0	10.4	11.1
Germany	731	5.2	0.7	16.0	2.0	5.4	2.3	0.2	41.6	1.1	25.5	29.3	6.9	18.6	29.7	29.8
Greece	984	4.0	0.7	10.0	5.6	1.2	3.7	1.7	32.3	1.9	39.0	21.5	18.2	20.8	18.8	23.8
Hong Kong	846	4.8	0.3	17.1	1.4	0.4	2.0	0.2	55.9	2.7	15.1	24.1	3.0	12.1	26.8	22.0
Hungary	771	4.0	0.2	14.3	1.4	3.6	3.0	4.3	42.5	4.2	22.5	23.4	7.3	15.2	24.7	21.9
Iceland	493	8.6	0.0	5.5	0.8	3.0	13.8	7.3	16.8	18.5	25.7	17.9	6.3	19.3	15.9	19.5
Iran, Islamic Rep.	933	1.4	0.0	5.4	2.2	0.0	0.7	0.7	35.4	1.2	53.0	9.0	10.0	42.9	11.2	7.3
Ireland	758	5.2	1.8	19.3	9.0	4.8	2.2	4.8	42.9	1.5	8.3	40.2	0.9	7.4	39.2	41.4
Israel	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Japan	1291	6.5	4.7	17.8	15.4	14.2	1.2	3.0	29.0	2.5	5.7	58.6	0.9	4.8	60.0	57.2
Korea	738	13.3	2.3	8.1	20.6	5.4	4.0	6.3	30.2	0.0	9.7	49.7	4.1	5.6	46.9	51.9
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	637	0.6	0.4	2.2	11.7	1.1	4.8	6.3	26.7	2.2	44.1	16.0	12.5	31.5	13.0	19.0
Lithuania	626	0.5	0.0	1.3	1.3	0.1	0.3	0.6	37.9	0.7	57.2	3.2	31.0	26.2	2.0	4.5
Netherlands	521	6.2	4.4	24.4	0.7	7.6	0.7	0.4	47.0	3.5	5.0	43.4	0.4	4.6	45.2	41.5
New Zealand	798	4.4	4.0	29.5	2.1	13.7	1.3	2.9	27.5	0.6	14.0	53.7	3.4	10.6	57.8	50.0
Norway	612	7.2	0.7	17.0	1.8	7.4	2.5	5.4	28.5	6.5	23.0	34.1	7.7	15.4	32.4	35.5
Philippines	1459	11.1	2.9	2.1	2.3	1.1	3.1	1.2	35.4	2.5	38.2	19.5	15.2	23.0	22.4	16.4
Portugal	836	2.7	0.9	5.5	1.8	2.5	2.5	4.2	39.3	3.9	36.6	13.5	11.2	25.4	13.7	13.2
Romania	930	1.6	0.4	1.3	2.9	1.4	0.4	1.2	39.8	0.3	50.6	7.7	17.9	32.7	7.3	7.6
Russian Federation	1053	0.9	0.1	7.6	5.7	2.2	3.3	2.4	41.4	1.0	35.4	16.5	12.2	23.2	15.5	17.6
Scotland	714	7.0	0.2	26.4	1.1	3.3	4.3	2.4	36.7	1.3	17.2	38.1	2.8	14.4	40.1	36.2
Singapore	888	19.8	1.4	26.7	13.3	2.8	2.0	3.0	21.5	0.3	9.1	64.0	1.4	7.7	66.4	61.8
Slovak Republic	898	8.6	0.9	4.5	22.3	5.6	0.4	5.3	25.3	1.1	26.1	41.9	7.8	18.3	40.0	43.7
Slovenia	716	3.3	0.9	7.7	6.6	6.5	2.0	6.2	45.4	2.3	19.2	25.0	5.4	13.8	26.6	23.5
South Africa	1329	0.4	0.6	1.5	1.1	0.4	0.8	0.3	27.4	0.9	66.5	4.1	23.5	43.1	2.8	5.7
Spain	944	1.5	0.5	5.1	6.0	2.3	1.1	4.4	39.5	0.3	39.3	15.4	13.1	26.2	13.3	17.3
Sweden	725	8.0	2.0	6.6	5.0	7.4	3.8	9.9	37.4	3.8	16.1	29.0	3.4	12.7	31.0	27.1
Switzerland	999	6.6	1.3	26.0	2.4	8.3	3.1	0.3	37.2	1.4	13.5	44.5	3.3	10.1	44.0	45.1
Thailand	1473	0.3	0.1	5.7	3.3	7.9	0.9	5.5	57.5	2.6	16.2	17.2	4.1	12.2	18.0	16.1
United States	971	14.6	1.0	20.7	5.8	1.6	6.0	2.7	34.0	1.6	12.1	43.6	3.2	8.8	42.8	44.4
INTERNATIONAL AVG	.	5.3	1.1	11.2	4.8	5.9	2.5	3.5	37.6	2.2	26.0	28.2	8.9	17.1	28.5	28.0

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: U02A
 Draw new rectangle based length/width ratios of another rectangle. (Measurement)
 Difficulty: 621

COUNTRY	N	20	10	11	70	71	72	73	74	79	90	99	V1	V2	NOT	OMIT	1.GIRL	2.BOY
															REACH		% Right	% Right
															ED			
Australia	1411	22.5	0.5	8.2	3.2	3.8	3.0	14.6	8.1	23.3	1.4	11.5	31.1	22.5	6.2	5.2	21.6	23.4
Austria	750	41.4	1.5	7.1	0.4	0.2	14.1	10.5	7.5	8.9	1.4	7.1	50.0	41.4	4.5	2.6	44.9	38.1
Belgium (Fl)	702	47.2	3.2	1.4	14.8	0.7	2.7	10.2	5.6	9.6	0.7	3.9	51.8	47.2	1.3	2.6	48.2	46.3
Belgium (Fr)	575	40.4	7.9	0.0	0.0	0.0	0.0	0.0	0.0	36.1	0.0	15.7	48.3	40.4	9.8	5.8	39.8	41.2
Bulgaria	460	34.9	3.0	1.7	1.7	1.8	2.5	5.4	0.7	5.1	2.8	40.4	39.6	34.9	29.5	10.9	36.7	32.7
Canada	2032	21.1	0.8	7.1	0.7	4.3	8.3	15.6	6.1	25.6	1.3	9.0	29.0	21.1	4.1	4.9	19.5	22.7
Colombia	665	3.2	4.2	0.5	0.6	6.8	4.4	11.2	1.0	13.0	1.0	54.1	7.9	3.2	37.1	17.0	1.5	4.8
Cyprus	757	27.3	0.5	5.3	0.3	2.1	2.1	12.8	2.4	17.5	0.6	29.2	33.0	27.3	22.8	6.3	25.6	28.9
Czech Republic	833	27.3	2.3	15.0	0.3	2.0	3.6	10.2	6.0	13.5	1.2	18.6	44.6	27.3	7.8	10.9	22.7	31.9
Denmark	543	15.9	0.3	10.1	0.3	2.0	10.6	5.8	12.1	12.8	0.5	29.6	26.3	15.9	15.1	14.4	17.0	14.7
England	450	20.6	1.8	10.4	6.1	1.2	4.2	16.0	7.0	24.0	2.7	6.0	32.8	20.6	2.5	3.4	18.5	22.5
France	748	33.7	0.4	8.2	0.3	2.2	8.4	14.6	6.3	11.7	0.5	13.7	42.2	33.7	6.7	7.0	35.7	32.1
Germany	729	27.6	1.2	6.0	1.4	0.7	17.4	10.7	4.8	8.8	1.2	20.2	34.8	27.6	11.2	8.9	27.3	28.3
Greece	984	14.6	1.6	5.0	0.6	11.1	1.4	8.9	3.2	23.3	1.6	28.7	21.3	14.6	20.1	8.5	11.6	17.3
Hong Kong	846	38.5	3.0	8.6	4.3	0.5	3.3	10.8	9.1	11.9	0.4	9.7	50.1	38.5	5.4	4.3	39.0	38.2
Hungary	771	37.3	1.8	1.9	3.9	0.7	9.6	7.7	1.1	14.3	2.5	19.3	41.0	37.3	10.8	8.5	36.5	38.1
Iceland	492	11.4	0.9	2.9	6.2	4.6	2.9	6.9	6.4	40.3	2.2	15.3	15.3	11.4	9.5	5.8	10.5	12.2
Iran, Islamic Rep.	933	13.4	2.7	4.7	0.7	10.4	2.0	11.4	2.3	27.0	2.0	23.5	20.8	13.4	15.7	7.8	10.2	16.1
Ireland	758	26.1	1.6	10.3	3.7	5.3	5.1	11.3	6.4	21.3	3.1	5.9	38.0	26.1	1.8	4.1	24.9	27.4
Israel	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Japan	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Korea	738	48.1	3.8	1.1	0.1	0.0	2.0	0.4	1.5	27.1	0.0	15.9	53.0	48.1	5.3	10.7	47.6	48.4
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	636	28.5	2.0	4.1	4.0	2.7	0.9	18.6	3.5	11.9	1.5	22.4	34.6	28.5	16.1	6.3	27.8	28.5
Lithuania	626	13.8	1.3	2.8	1.1	0.6	0.0	5.6	9.2	19.1	2.6	44.0	17.9	13.8	35.6	8.3	13.3	14.4
Netherlands	521	31.4	0.2	6.5	8.3	1.7	0.6	13.0	13.1	18.4	0.8	5.8	38.1	31.4	2.0	3.9	32.1	31.3
New Zealand	798	17.3	0.4	10.9	6.1	2.8	6.8	12.2	6.3	26.1	0.3	10.9	28.6	17.3	5.0	5.9	19.0	15.8
Norway	612	20.9	0.9	3.8	5.9	4.5	9.9	10.4	7.6	15.8	4.1	16.4	25.5	20.9	8.6	7.8	20.8	20.9
Philippines	1456	3.4	7.8	2.0	1.4	0.2	1.6	5.5	0.5	22.7	3.8	51.0	13.2	3.4	23.6	27.5	4.1	2.7
Portugal	836	14.3	1.5	3.9	0.9	8.1	7.1	14.3	5.1	22.5	1.8	20.5	19.7	14.3	13.3	7.2	14.2	14.3
Romania	930	22.9	1.6	5.5	4.2	0.4	2.0	8.7	1.6	19.3	0.2	33.6	30.0	22.9	25.5	8.1	23.7	21.6
Russian Federation	1053	27.2	3.2	13.2	0.3	5.3	0.2	2.8	3.9	9.6	0.8	33.4	43.6	27.2	19.8	13.6	29.8	24.5
Scotland	714	18.7	1.2	6.1	2.7	3.3	5.5	16.5	5.2	29.4	2.3	9.0	26.0	18.7	4.6	4.5	17.3	20.2
Singapore	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Slovak Republic	899	28.9	1.3	10.2	0.4	1.3	1.7	9.7	5.7	17.8	0.8	22.2	40.4	28.9	12.8	9.3	26.2	31.6
Slovenia	716	26.3	2.7	5.7	0.8	1.0	10.2	8.9	7.2	21.5	1.8	14.1	34.6	26.3	6.8	7.3	27.6	24.8
South Africa	1329	3.6	0.8	1.3	0.0	1.1	2.6	3.4	1.0	30.1	2.1	54.0	5.7	3.6	38.7	15.4	2.8	4.6
Spain	944	18.0	1.5	6.5	2.9	5.4	6.2	15.1	1.5	20.3	0.5	22.2	26.0	18.0	15.3	6.9	18.9	17.2
Sweden	725	18.3	0.9	6.1	12.5	8.0	2.4	14.2	5.6	16.7	2.7	12.7	25.3	18.3	5.2	7.5	15.2	21.2
Switzerland	999	37.4	0.6	8.4	3.3	0.7	10.3	12.6	4.6	9.0	1.4	11.5	46.5	37.4	4.8	6.7	37.5	37.4
Thailand	1473	15.5	0.4	1.3	8.8	0.9	13.0	13.7	5.9	25.4	1.1	14.0	17.2	15.5	7.1	6.8	16.6	14.4
United States	971	11.3	0.7	5.5	1.9	4.6	10.1	13.5	6.0	34.9	1.5	10.1	17.5	11.3	4.9	5.2	10.6	12.1
INTERNATIONAL AVG	.	24.0	1.9	5.8	3.0	3.0	5.2	10.4	5.0	19.6	1.5	20.6	31.6	24.0	12.5	8.1	23.6	24.3

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: U02B
 Calculate ratio of rectangle areas given relationship between sides. (Measurement)
 Difficulty: 737

COUNTRY	N	20	21	10	11	12	13	14	70	79	90	99	V1	V2	NOT	OMIT	1.GIRL % Right	2.BOY % Right	
															REACH ED				
Australia	1411	5.9	1.6	3.3	2.7	3.7	3.3	2.1	7.1	32.4	4.3	33.6	22.7	7.5	10.6	22.9	7.2	7.8	
Austria	750	4.0	0.5	7.3	4.0	1.1	2.1	0.0	11.3	35.8	4.8	29.2	19.0	4.4	7.0	22.2	3.8	5.3	
Belgium (Fl)	702	5.6	1.0	2.4	13.5	5.6	5.9	1.9	5.8	42.3	1.2	14.8	36.0	6.6	3.5	11.2	7.8	5.6	
Belgium (Fr)	575	6.0	0.0	13.3	0.0	0.0	0.0	0.0	50.0	0.0	0.0	30.6	19.3	6.0	15.2	15.4	5.7	6.6	
Bulgaria	460	8.0	0.7	16.9	3.4	0.9	1.9	0.8	0.8	7.7	2.6	56.3	32.5	8.7	40.0	16.3	8.6	9.0	
Canada	2032	5.4	2.6	2.7	3.4	4.1	5.6	1.5	6.5	36.0	6.3	25.8	25.4	8.1	8.5	17.4	7.6	8.6	
Colombia	665	0.0	0.0	0.0	0.1	0.3	0.4	0.2	8.0	27.8	0.6	62.5	1.0	0.0	48.4	14.1	.	.	
Cyprus	755	9.4	1.4	0.2	1.5	0.3	1.0	0.2	2.5	18.5	1.8	63.3	13.9	10.8	28.4	34.9	9.4	12.1	
Czech Republic	833	4.5	0.7	10.4	5.0	0.5	1.8	0.3	4.6	33.8	3.5	34.8	23.2	5.2	17.7	17.1	3.9	6.5	
Denmark	542	1.9	0.7	0.3	3.1	4.3	2.4	1.8	9.9	13.7	0.5	61.4	14.5	2.6	29.2	32.2	3.5	1.6	
England	450	5.8	2.1	2.3	3.4	2.6	1.7	1.6	1.8	30.7	9.0	39.2	19.4	7.9	5.6	33.6	7.7	8.1	
France	748	1.0	1.1	0.2	13.3	2.6	2.0	0.7	3.5	30.5	2.9	42.3	20.8	2.1	12.7	29.6	2.2	2.2	
Germany	729	0.8	1.0	0.1	4.1	1.4	0.5	0.3	11.1	35.7	2.8	42.1	8.3	1.8	19.5	22.6	1.3	2.4	
Greece	980	3.4	0.6	0.7	2.2	0.4	1.8	0.6	2.2	29.3	3.9	54.8	9.8	4.0	26.7	28.1	3.9	4.1	
Hong Kong	845	16.0	1.4	10.1	1.6	4.6	4.8	3.8	2.7	27.4	2.1	25.4	42.4	17.5	8.4	17.0	16.9	17.9	
Hungary	771	2.7	0.6	0.9	5.9	1.1	1.9	1.9	8.6	37.9	2.3	36.3	14.9	3.2	18.7	17.6	1.6	5.1	
Iceland	492	0.7	0.6	0.0	0.5	5.0	6.3	5.9	4.5	20.7	9.6	46.3	19.0	1.3	15.1	31.3	2.1	0.7	
Iran, Islamic Rep.	933	3.8	0.0	0.6	1.2	0.2	0.0	0.2	0.8	48.6	2.9	41.6	6.1	3.8	20.8	20.8	3.1	4.4	
Ireland	758	13.3	4.9	3.7	0.8	0.4	3.8	1.0	9.4	36.9	4.0	21.8	27.8	18.1	5.7	16.1	16.4	20.3	
Israel
Japan
Korea	738	30.0	1.2	7.9	1.9	0.2	0.9	0.8	4.4	31.3	0.0	21.4	42.8	31.1	14.0	7.5	30.4	31.7	
Kuwait
Latvia (LSS)	635	4.0	1.1	1.0	4.8	0.7	0.9	0.0	3.5	12.2	1.7	70.0	12.5	5.0	22.3	47.8	2.9	6.5	
Lithuania	623	0.1	0.2	0.6	1.5	1.7	0.8	0.4	3.9	9.8	2.7	78.3	5.3	0.4	42.9	35.4	0.2	0.5	
Netherlands	521	3.7	2.1	3.7	5.4	2.3	3.6	0.9	0.6	37.3	15.7	24.7	21.6	5.8	5.1	19.6	4.6	6.9	
New Zealand	798	1.8	0.9	2.3	3.0	3.2	3.4	1.8	8.8	32.1	1.1	41.5	16.5	2.8	9.9	31.6	2.3	3.2	
Norway	612	0.3	1.2	0.2	2.7	10.4	2.4	8.0	4.6	25.8	9.1	35.2	25.2	1.5	14.6	20.7	0.9	2.0	
Philippines	1442	2.6	0.1	5.4	3.0	0.1	0.6	1.0	8.0	33.5	3.9	41.9	12.7	2.7	30.9	11.0	2.6	2.8	
Portugal	836	1.3	0.6	1.1	2.5	1.6	2.3	0.4	4.5	35.9	6.9	42.8	9.9	1.9	19.8	23.0	2.5	1.2	
Romania	928	8.9	0.6	4.7	2.4	0.5	1.0	2.9	1.8	22.6	0.3	54.2	21.1	9.6	31.8	22.4	9.7	8.9	
Russian Federation	1053	6.6	0.1	3.8	4.3	3.4	0.5	0.3	0.5	15.6	1.8	63.1	18.9	6.7	31.1	32.0	5.4	8.0	
Scotland	714	2.6	0.8	1.6	2.6	2.5	2.1	1.1	2.3	38.6	4.8	41.1	13.2	3.4	8.2	32.9	2.9	3.9	
Singapore
Slovak Republic	898	8.3	1.8	6.4	0.6	0.0	0.4	0.0	9.3	20.8	2.1	50.3	17.4	10.0	21.2	29.2	10.1	9.9	
Slovenia	715	4.0	1.0	4.2	6.5	3.7	2.2	1.8	3.4	27.3	3.9	41.9	23.4	5.0	13.6	28.3	5.1	4.9	
South Africa	1329	0.4	0.0	0.3	0.5	0.8	0.2	0.4	0.3	26.6	1.0	69.6	2.5	0.4	42.7	26.9	0.3	0.5	
Spain	944	1.0	0.3	0.4	2.1	1.4	1.0	0.2	9.1	33.3	0.4	50.8	6.4	1.3	21.4	29.4	0.6	2.0	
Sweden	725	4.4	1.4	2.3	5.5	1.4	9.2	0.9	10.2	18.3	11.2	35.2	25.1	5.8	11.9	23.2	5.1	6.4	
Switzerland	999	1.7	1.0	0.4	7.1	6.0	2.8	2.9	4.1	40.3	3.5	30.2	21.9	2.8	10.6	19.6	1.1	4.4	
Thailand	1473	6.6	2.6	1.1	0.4	0.1	6.7	0.6	3.5	40.5	1.2	36.7	18.1	9.2	13.1	23.6	10.2	8.1	
United States	971	6.9	2.8	2.1	0.9	0.3	4.1	0.5	8.6	43.0	3.7	27.1	17.6	9.7	8.7	18.4	9.9	9.4	
INTERNATIONAL AVG	.	5.1	1.1	3.3	3.3	2.1	2.4	1.3	5.1	30.0	3.7	42.6	18.6	6.2	18.8	23.8	5.9	6.7	

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: V01
 Determine actual weight from rounded value. (Fractions and number sense)
 Difficulty: 546

COUNTRY	N	NOT REACHED											OMIT	1.GIRL % Right	2.BOY % Right		
		10	11	12	13	70	71	72	73	79	90	99				V1	
Australia	1412	50.9	3.8	15.0	3.6	1.9	3.7	6.9	0.1	7.5	0.5	6.1	73.4	1.3	4.8	73.3	73.5
Austria	735	34.1	1.6	1.6	20.3	1.4	4.9	12.5	0.0	16.8	1.4	5.5	57.4	0.5	5.0	58.4	58.6
Belgium (Fl)	677	53.2	0.4	8.5	2.4	2.5	2.0	12.3	0.7	14.6	1.2	2.1	64.5	0.1	2.0	60.2	68.5
Belgium (Fr)	569	23.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	69.1	0.0	7.6	23.3	1.8	5.8	19.1	27.0
Bulgaria	472	25.3	1.7	3.1	2.1	1.1	5.4	21.1	0.2	10.4	0.5	29.1	32.2	3.5	25.6	33.8	30.3
Canada	2057	38.4	5.6	10.1	6.2	1.8	8.5	7.5	0.9	14.0	1.9	5.1	60.3	0.2	4.8	58.8	61.7
Colombia	660	2.3	2.5	0.3	0.8	1.6	15.5	6.8	0.6	37.8	0.0	31.8	5.8	10.5	21.3	3.5	8.2
Cyprus	684	9.0	1.0	2.0	0.6	2.7	11.2	14.6	0.3	35.8	1.6	21.4	12.5	1.4	20.0	10.7	14.5
Czech Republic	827	34.3	0.6	6.9	26.9	0.4	2.8	2.0	1.0	17.3	1.1	6.7	68.7	1.4	5.3	63.1	74.4
Denmark	421	29.8	3.3	5.4	20.1	1.5	5.1	5.8	2.0	6.8	0.0	20.1	58.7	4.6	15.5	55.5	61.9
England	451	48.0	2.2	8.8	3.4	2.5	8.4	6.7	0.0	12.7	1.5	5.8	62.4	0.0	5.8	55.1	68.8
France	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Germany	727	35.8	0.6	4.3	6.9	0.7	4.1	14.9	0.0	11.2	1.5	19.9	47.6	2.8	17.2	45.2	49.5
Greece	982	40.5	0.8	6.6	1.4	1.2	9.4	6.4	0.2	17.9	1.2	14.3	49.4	2.0	12.2	49.8	49.1
Hong Kong	844	31.4	7.9	6.6	0.7	2.0	6.9	14.4	0.0	21.2	0.8	8.0	46.6	0.2	7.8	44.1	48.4
Hungary	771	45.0	0.6	3.2	11.2	1.6	3.4	13.7	0.2	11.7	0.1	9.3	59.9	2.7	6.7	60.8	59.1
Iceland	495	30.5	0.6	6.2	13.4	2.4	5.3	19.5	0.0	14.1	0.5	7.5	50.8	1.1	6.4	49.6	51.8
Iran, Islamic Rep.	928	0.2	4.1	0.5	0.7	1.2	1.8	14.6	0.1	41.3	1.3	34.2	5.4	1.1	33.1	3.5	6.9
Ireland	780	46.5	1.7	13.6	3.3	0.9	5.2	6.5	1.0	17.7	0.8	2.8	65.2	0.2	2.5	60.3	71.2
Israel	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Japan	1284	40.0	3.3	20.7	2.6	4.1	1.3	5.4	0.0	11.4	1.6	9.6	66.6	0.1	9.6	66.1	67.2
Korea	712	67.1	1.4	8.0	3.2	1.2	0.4	1.0	0.0	13.5	0.0	4.3	79.6	0.1	4.2	75.3	82.7
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	636	24.1	1.4	3.9	8.3	2.6	6.5	20.8	0.0	16.7	1.3	14.3	37.8	2.2	12.0	38.7	37.0
Lithuania	631	13.9	3.5	10.9	8.9	1.5	2.5	1.2	0.6	26.0	0.9	30.1	37.2	6.7	23.4	37.9	36.6
Netherlands	522	33.4	2.1	9.7	5.7	2.6	5.3	15.8	0.5	19.5	2.3	3.0	51.0	0.3	2.7	45.4	56.7
New Zealand	800	45.5	4.2	11.1	3.9	3.8	3.3	9.0	0.3	14.6	0.0	4.4	64.6	0.5	3.9	62.9	66.3
Norway	619	41.2	1.0	17.2	4.6	2.6	6.4	4.8	0.5	11.4	1.0	9.2	64.0	1.8	7.3	60.7	67.1
Philippines	1467	13.3	9.5	1.0	1.8	3.3	9.7	15.2	1.0	26.3	1.9	16.9	25.7	2.5	14.4	28.3	23.0
Portugal	829	20.8	2.0	4.7	1.6	1.5	7.7	7.7	1.5	29.1	0.8	22.6	29.1	2.2	20.4	29.4	28.9
Romania	934	20.5	0.7	2.7	1.4	0.7	8.2	6.8	0.2	33.1	0.5	25.2	25.3	3.6	21.7	24.3	26.1
Russian Federation	1021	9.6	1.6	1.2	41.1	1.4	1.4	0.6	0.6	22.7	0.9	18.8	53.5	3.4	15.5	52.5	54.5
Scotland	726	44.7	2.6	12.9	2.2	2.0	6.8	6.4	0.0	15.8	1.2	5.3	62.3	0.5	4.8	61.5	63.3
Singapore	893	65.6	2.5	9.9	3.8	1.2	4.5	4.1	0.0	7.1	0.1	1.2	81.8	0.0	1.2	82.8	80.8
Slovak Republic	886	21.4	1.2	1.8	16.9	1.6	2.5	13.8	0.2	26.5	0.9	13.3	41.3	1.5	11.8	39.3	43.2
Slovenia	714	12.1	7.2	1.9	5.8	0.9	3.7	22.7	0.4	26.3	2.7	16.2	27.0	0.5	15.7	25.2	28.9
South Africa	1285	5.7	9.9	2.2	1.8	0.4	4.5	22.7	1.3	30.4	0.3	20.8	19.5	4.8	16.0	19.2	20.0
Spain	936	10.7	1.7	2.7	2.3	2.2	13.6	7.0	1.4	36.8	0.1	21.5	17.3	1.4	20.1	16.0	18.6
Sweden	696	64.4	0.6	12.8	1.8	1.8	5.0	1.9	0.1	8.3	0.8	2.5	79.5	0.5	2.0	76.0	82.7
Switzerland	1015	35.2	0.2	7.0	7.0	1.6	4.9	16.0	0.6	13.3	1.7	12.5	49.3	1.3	11.2	44.7	54.0
Thailand	1441	23.2	6.3	3.1	7.1	1.6	15.6	15.7	0.1	22.1	0.3	4.8	39.7	0.3	4.5	38.7	40.8
United States	972	39.7	5.2	10.8	1.5	1.0	7.7	11.5	0.3	17.8	0.5	3.9	57.3	0.2	3.7	54.4	60.1
INTERNATIONAL AVG	.	31.6	2.8	6.6	6.6	1.7	5.8	10.2	0.4	20.7	0.9	12.8	47.5	1.8	11.0	45.7	49.3

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: V02
 Solve word problem: determine cheaper rental rate by unit comparison. (Data Rep., Analysis & Prob.)
 Difficulty: 675

COUNTRY	N	30	39	20	21	10	11	12	16	19	70	71	79	90	99	V1	V2	V3	NOT	OMIT	1.GIRL	2.BOY	
																			REACH		% Right	% Right	
Australia	1412	18.0	0.0	6.5	0.8	9.5	4.7	6.0	1.4	0.0	12.9	9.0	3.8	2.5	24.9	46.9	25.3	18.0	1.7	23.2	20.5	15.2	
Austria	735	16.6	0.5	4.4	0.7	6.1	14.7	6.4	0.0	0.0	6.0	18.3	2.3	6.2	17.9	49.4	22.2	17.1	0.6	17.3	17.5	16.9	
Belgium (Fl)	677	22.6	2.2	5.7	0.3	11.1	6.8	3.4	0.3	1.4	17.3	8.6	8.2	1.5	10.6	53.8	30.7	24.7	0.1	10.5	25.5	24.0	
Belgium (Fr)	569	0.0	14.2	5.9	0.0	0.0	0.0	0.0	0.0	22.6	0.0	0.0	19.9	0.0	37.4	42.7	20.1	14.2	2.2	35.2	12.9	15.5	
Bulgaria	472	8.4	0.2	4.6	0.1	3.4	8.8	1.1	0.0	0.2	9.2	23.1	1.5	3.7	35.8	26.7	13.3	8.5	6.7	29.1	11.1	5.6	
Canada	2057	16.1	0.0	5.0	0.9	7.1	8.8	7.2	0.4	0.1	11.8	17.9	2.9	4.9	17.0	45.6	22.0	16.1	0.3	16.7	17.4	14.7	
Colombia	660	0.9	0.0	2.5	0.0	1.4	9.3	0.7	0.4	1.0	2.2	27.7	6.6	1.0	46.2	16.3	3.4	0.9	14.5	31.6	.	1.8	
Cyprus	684	4.5	0.0	2.6	0.7	2.4	15.7	2.8	0.8	0.0	3.0	18.0	0.7	2.3	46.6	29.5	7.8	4.5	2.9	43.6	4.1	5.0	
Czech Republic	827	17.8	0.1	4.6	1.0	6.2	16.1	2.4	1.2	0.0	7.2	12.8	2.8	3.9	23.9	49.3	23.5	17.9	2.1	21.8	16.7	19.1	
Denmark	421	11.6	0.0	5.4	0.6	4.6	9.4	5.1	0.3	0.5	6.7	9.0	4.2	0.2	42.3	37.6	17.6	11.6	6.8	35.5	9.1	14.6	
England	451	11.7	0.3	4.1	0.8	10.7	9.5	4.8	0.9	0.0	15.6	17.3	1.6	4.5	18.1	42.8	16.9	12.0	0.2	17.9	12.2	11.8	
France	754	16.1	0.2	4.1	0.6	4.0	9.3	1.8	0.7	0.2	9.0	15.0	3.9	1.8	33.4	36.9	20.9	16.2	0.5	32.9	14.1	18.0	
Germany	727	13.6	0.7	3.4	1.2	3.4	9.1	3.6	0.1	0.1	5.5	15.6	1.6	2.3	39.8	35.3	18.9	14.3	3.8	36.0	15.0	14.0	
Greece	982	8.2	0.4	2.9	0.7	8.2	8.7	2.6	1.1	0.3	13.0	13.5	1.9	3.0	35.5	33.0	12.1	8.6	2.9	32.6	9.9	7.4	
Hong Kong	846	24.4	0.4	6.7	1.8	6.4	3.3	9.1	0.4	0.1	9.4	7.4	2.6	6.2	21.9	52.5	33.3	24.9	0.4	21.5	23.3	26.0	
Hungary	771	10.9	0.2	4.8	0.5	4.7	6.9	7.4	0.0	0.6	11.8	22.6	4.1	1.7	23.8	36.1	16.4	11.1	3.4	20.3	11.2	11.1	
Iceland	495	5.7	0.1	2.4	1.8	5.3	7.2	5.5	1.4	0.0	7.4	17.5	4.4	7.8	33.3	29.5	10.0	5.8	1.6	31.7	6.6	5.0	
Iran, Islamic Rep.	928	0.6	0.0	0.1	0.2	5.8	14.1	2.1	1.2	0.0	6.7	29.8	4.7	2.5	32.3	24.0	0.8	0.6	3.6	28.7	0.8	0.4	
Ireland	780	17.6	0.1	6.3	0.8	8.5	6.4	9.3	0.1	0.0	11.7	12.3	4.0	5.0	17.9	49.0	24.8	17.7	0.2	17.7	17.1	18.4	
Israel
Japan	1284	34.4	3.1	4.6	1.5	5.6	5.8	4.0	1.7	0.1	8.6	13.7	0.5	2.7	13.7	60.8	43.6	37.5	0.2	13.4	36.8	38.2	
Korea	712	37.7	0.1	5.8	1.6	6.5	3.1	5.2	0.6	0.0	14.1	6.8	5.6	0.0	12.9	60.6	45.2	37.8	1.0	11.9	30.0	43.5	
Kuwait
Latvia (LSS)	636	5.2	0.1	1.6	0.5	2.3	11.2	1.6	0.3	0.0	4.9	14.0	0.4	4.4	53.4	22.9	7.5	5.3	5.8	47.6	4.6	6.2	
Lithuania	631	3.1	0.3	0.6	0.0	1.8	7.7	1.0	0.0	0.0	3.9	11.3	2.9	2.1	65.4	14.5	4.0	3.4	10.2	55.2	4.3	2.5	
Netherlands	522	14.0	0.2	4.7	1.2	7.0	12.3	3.7	1.6	0.3	14.8	23.9	1.9	3.2	11.3	45.0	20.0	14.2	0.8	10.5	13.2	15.3	
New Zealand	800	14.5	0.0	7.0	0.6	8.2	9.9	5.7	0.5	0.1	12.8	15.1	4.2	0.7	20.7	46.6	22.1	14.5	0.7	20.0	15.8	13.3	
Norway	619	16.2	0.0	3.8	0.8	5.8	10.1	3.8	1.7	0.0	15.8	13.0	2.0	3.8	23.1	42.2	20.8	16.2	2.7	20.4	15.3	17.0	
Philippines	1467	1.0	0.0	7.0	0.3	2.8	8.0	1.5	3.2	0.1	12.7	13.4	8.7	4.3	36.9	23.9	8.2	1.0	3.3	33.5	0.8	1.3	
Portugal	829	3.6	0.3	2.3	0.5	5.3	6.6	3.4	0.6	0.2	6.7	17.8	4.3	4.4	44.1	22.8	6.6	3.8	4.7	39.5	3.2	4.6	
Romania	936	6.7	0.2	1.9	0.7	4.3	7.8	1.3	0.2	0.0	8.8	16.1	4.6	0.8	46.8	23.0	9.5	6.9	6.7	40.0	5.9	7.5	
Russian Federation	1021	10.7	0.0	3.8	1.3	2.8	8.0	6.0	0.7	0.9	4.1	9.9	3.5	1.9	46.7	34.0	15.7	10.7	5.7	41.0	8.6	12.7	
Scotland	726	11.4	0.9	5.8	0.5	7.0	7.6	4.6	0.5	0.0	16.4	11.8	2.8	4.4	26.3	38.2	18.5	12.2	0.7	25.6	12.6	11.9	
Singapore	893	49.1	0.0	10.5	1.5	3.3	3.0	12.1	0.0	0.2	4.2	3.3	1.5	1.0	10.4	79.6	61.0	49.1	0.0	10.4	50.5	47.7	
Slovak Republic	886	9.6	0.5	3.7	0.1	3.0	14.5	3.6	0.9	0.7	6.3	24.2	3.2	2.5	27.1	36.6	13.9	10.1	2.2	24.9	10.1	10.1	
Slovenia	714	9.8	2.3	3.4	1.3	3.8	11.0	3.3	0.5	0.8	7.9	16.0	2.2	2.4	35.3	36.2	16.8	12.1	2.0	33.3	11.3	13.0	
South Africa	1285	1.5	0.1	0.9	0.0	2.2	13.7	0.7	0.4	0.1	5.0	10.4	13.2	1.0	50.7	19.6	2.5	1.6	6.2	44.5	1.7	1.5	
Spain	936	5.5	0.3	2.4	0.4	8.0	11.1	2.6	3.4	0.4	19.4	15.4	4.3	0.5	26.4	34.0	8.5	5.8	2.6	23.8	7.2	4.5	
Sweden	696	17.6	0.1	3.9	0.8	5.6	10.2	5.1	2.5	2.0	11.5	15.4	7.2	5.4	12.8	47.8	22.4	17.7	0.6	12.2	19.3	15.7	
Switzerland	1015	16.1	0.3	5.0	0.4	3.9	12.1	4.7	0.9	0.6	7.9	19.3	2.1	3.7	22.9	44.2	21.8	16.4	2.0	20.8	15.4	17.5	
Thailand	1441	13.4	0.0	4.8	0.2	8.6	2.4	7.0	0.4	0.0	10.3	18.0	2.8	6.9	25.1	36.9	18.4	13.4	0.7	24.5	12.5	14.4	
United States	972	14.6	0.0	7.2	0.7	7.8	11.4	6.2	2.1	0.0	9.7	20.8	2.0	1.4	16.1	50.1	22.5	14.6	0.9	15.2	17.0	12.4	
INTERNATIONAL AVG	.	13.0	0.7	4.3	0.7	5.4	8.9	4.2	0.8	0.8	9.3	15.1	4.0	3.0	29.7	38.9	18.7	13.7	2.9	26.8	13.9	13.9	

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: V03 KEY: D
 Determine ratio of red paint in a mixture. (Proportionality)
 Difficulty: 603

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	1412	7.8	8.8	39.3	40.9	3.3	40.9	0.0	2.8	0.5	42.8	38.7
Austria	735	10.8	11.1	55.5	21.1	1.6	21.1	0.0	1.0	0.6	25.6	16.7
Belgium (Fl)	677	4.0	5.7	42.2	46.5	1.6	46.5	0.0	1.1	0.5	53.9	39.9
Belgium (Fr)	569	7.3	8.1	33.0	45.0	6.5	45.0	0.0	3.4	3.1	45.3	44.6
Bulgaria	472	6.3	8.9	47.8	27.8	9.3	27.8	0.5	6.7	2.1	30.3	24.9
Canada	2057	4.5	8.3	39.9	46.5	0.8	46.5	0.1	0.5	0.3	48.1	44.5
Colombia	660	16.3	15.7	32.2	14.3	21.5	14.3	1.2	16.8	3.5	15.1	13.6
Cyprus	683	12.7	13.5	34.5	34.7	4.5	34.7	0.0	3.3	1.2	35.7	33.7
Czech Republic	827	8.3	9.8	56.6	19.2	6.2	19.2	0.1	3.3	2.8	21.4	17.0
Denmark	421	8.7	10.9	37.6	30.4	12.4	30.4	0.0	8.5	3.8	28.6	32.7
England	451	11.0	12.0	42.0	34.4	0.6	34.4	0.0	0.2	0.4	33.6	35.1
France	754	7.2	6.5	35.3	47.7	3.4	47.7	0.1	2.4	0.9	48.2	48.1
Germany	729	8.8	9.7	47.4	25.7	8.4	25.7	0.3	4.4	3.7	24.2	26.8
Greece	982	13.8	13.3	27.3	41.4	4.1	41.4	0.2	3.5	0.4	44.2	39.2
Hong Kong	848	4.6	5.3	22.0	67.1	1.0	67.1	0.2	0.4	0.4	66.6	67.6
Hungary	771	12.0	9.2	42.6	29.0	7.2	29.0	0.0	5.3	1.9	31.8	26.1
Iceland	495	16.6	12.2	41.5	26.2	3.5	26.2	0.1	1.9	1.5	25.7	26.7
Iran, Islamic Rep.	928	16.0	23.4	27.9	27.2	5.4	27.2	0.0	3.9	1.5	25.3	28.8
Ireland	780	5.9	7.9	47.5	37.4	1.3	37.4	0.3	0.5	0.5	40.5	33.5
Israel	.	.	.	.	.	.	.	.	.	.	.	.
Japan	1284	5.9	4.1	32.3	57.3	0.4	57.3	0.0	0.3	0.1	57.8	56.9
Korea	712	3.4	1.8	16.3	77.7	0.9	77.7	0.0	0.0	0.9	78.0	77.4
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	632	15.4	8.8	42.4	22.5	10.9	22.5	0.0	8.7	2.3	23.7	21.1
Lithuania	631	11.5	10.4	51.6	8.0	18.5	8.0	0.6	13.6	4.3	8.4	7.6
Netherlands	522	6.5	4.7	29.3	57.9	1.6	57.9	0.0	1.2	0.4	58.9	56.8
New Zealand	800	10.0	12.2	32.8	42.8	2.2	42.8	0.0	1.3	0.9	46.0	39.8
Norway	619	12.0	15.0	39.6	27.5	5.9	27.5	0.0	3.1	2.8	27.2	27.9
Philippines	1458	17.3	13.4	45.0	20.0	4.3	20.0	0.1	3.8	0.4	21.9	18.0
Portugal	829	11.6	15.1	50.8	16.4	6.1	16.4	0.1	5.5	0.5	16.2	16.6
Romania	934	13.2	11.0	33.6	29.1	13.1	29.1	1.1	8.4	3.7	30.1	27.4
Russian Federation	1021	10.0	7.0	43.9	27.4	11.6	27.4	0.2	9.0	2.5	27.6	27.2
Scotland	726	11.2	15.4	33.8	38.2	1.4	38.2	0.1	0.8	0.4	37.1	39.3
Singapore	893	0.7	2.7	7.5	88.9	0.1	88.9	0.0	0.1	0.0	91.8	86.1
Slovak Republic	889	9.8	10.3	49.8	23.8	6.3	23.8	0.3	3.4	2.6	21.5	25.9
Slovenia	714	9.6	15.2	40.5	29.3	5.3	29.3	0.1	2.8	2.4	28.6	30.1
South Africa	1285	22.1	21.3	29.1	18.5	9.1	18.5	0.2	6.9	2.0	17.3	19.6
Spain	936	11.8	11.1	48.6	23.9	4.7	23.9	0.0	3.8	0.8	24.8	23.0
Sweden	697	10.2	7.2	29.9	50.0	2.6	50.0	0.0	1.5	1.1	52.5	46.9
Switzerland	1012	6.7	6.6	44.0	39.4	3.3	39.4	0.0	2.2	1.1	40.3	38.5
Thailand	1441	7.3	4.2	42.6	43.8	2.0	43.8	0.2	0.7	1.2	45.8	41.5
United States	972	5.9	10.7	36.9	44.8	1.8	44.8	0.0	1.0	0.8	50.1	39.6
INTERNATIONAL AVG	.	9.9	10.2	38.3	36.2	5.4	36.2	0.1	3.7	1.5	37.3	35.1

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: V04
 Calculate area of parallelogram inscribed in a rectangle. (Measurement)
 Difficulty: 610

COUNTRY	N	10	70	71	72	73	74	79	90	99	V1	NOT	1. GIRL	2. BOY	
												REACH			% Right
												ED			
Australia	1412	42.4	1.4	7.4	2.5	3.5	0.6	31.5	2.1	8.7	42.4	2.9	5.8	42.5	42.3
Austria	735	47.5	0.2	3.5	3.6	8.5	0.6	30.2	1.0	5.0	47.5	1.0	4.0	44.5	50.9
Belgium (Fl)	677	46.1	0.1	3.9	2.0	6.1	0.5	36.3	0.5	4.5	46.1	1.3	3.3	42.3	49.5
Belgium (Fr)	569	41.2	0.0	0.0	0.0	0.0	0.0	45.3	0.0	13.5	41.2	4.1	9.4	37.7	44.8
Bulgaria	472	48.5	1.1	1.1	1.2	3.4	0.3	20.3	1.6	22.4	48.5	7.0	15.4	50.7	46.0
Canada	2057	32.6	1.8	5.9	2.9	8.0	0.9	42.8	0.9	4.2	32.6	0.6	3.6	28.8	36.7
Colombia	660	9.0	6.8	1.5	0.3	1.1	1.4	38.6	1.4	39.8	9.0	19.2	20.7	6.8	11.5
Cyprus	683	31.1	1.2	4.6	2.0	8.4	0.7	27.7	0.9	23.4	31.1	3.7	19.8	29.8	32.6
Czech Republic	827	39.1	0.4	3.0	2.7	3.8	0.1	29.1	4.4	17.3	39.1	4.5	12.7	36.2	42.0
Denmark	421	30.7	0.8	0.6	1.7	5.1	0.4	36.1	0.1	24.5	30.7	9.3	15.2	29.6	32.8
England	451	31.7	2.3	6.0	3.2	3.0	0.6	46.7	1.7	4.7	31.7	0.2	4.5	31.5	32.0
France	754	36.2	0.7	6.6	2.8	6.0	0.7	30.1	1.5	15.3	36.2	2.8	12.5	29.7	41.9
Germany	726	31.7	1.5	5.2	2.0	3.0	1.2	34.7	1.6	19.2	31.7	5.5	13.7	30.0	34.0
Greece	982	25.4	2.6	4.6	1.4	3.6	0.5	35.2	2.2	24.4	25.4	3.6	20.7	24.3	26.3
Hong Kong	847	67.7	0.1	7.1	1.1	3.0	0.7	15.2	0.4	4.6	67.7	0.6	4.0	62.4	71.6
Hungary	771	31.4	0.7	3.2	0.3	5.2	0.5	36.1	2.6	20.0	31.4	6.0	14.1	31.1	31.6
Iceland	494	30.3	1.5	2.5	3.3	8.0	0.3	40.0	2.0	12.2	30.3	2.6	9.6	31.0	29.7
Iran, Islamic Rep.	928	21.0	2.2	2.1	0.9	7.4	0.9	46.4	1.0	18.2	21.0	4.0	14.2	23.6	19.0
Ireland	780	34.2	1.1	9.6	3.4	3.7	2.3	38.2	1.7	5.8	34.2	0.8	5.1	28.1	41.7
Israel	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Japan	1284	73.3	0.1	5.3	1.5	2.4	0.5	13.7	0.6	2.5	73.3	0.3	2.2	71.7	74.8
Korea	712	67.0	0.7	2.2	1.8	1.3	0.6	23.1	0.0	3.4	67.0	2.0	1.4	63.8	69.4
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	636	17.8	1.3	1.4	2.4	1.1	0.0	34.1	6.5	35.5	17.8	9.3	26.2	16.0	19.2
Lithuania	625	14.2	2.0	2.4	1.2	1.8	0.7	37.8	0.4	39.6	14.2	14.4	25.2	12.2	16.3
Netherlands	522	41.0	1.0	4.0	3.8	8.4	1.3	32.9	4.1	3.5	41.0	1.3	2.1	36.9	45.2
New Zealand	800	28.6	4.0	7.0	3.0	3.2	0.6	46.3	0.3	7.1	28.6	1.9	5.2	27.4	29.7
Norway	619	28.0	1.1	2.4	3.1	6.5	0.8	40.2	4.9	12.9	28.0	4.4	8.5	22.2	33.3
Philippines	1458	7.3	10.8	3.1	3.2	3.8	4.7	47.2	2.7	17.2	7.3	4.0	13.2	8.4	6.2
Portugal	829	13.3	3.8	3.0	3.3	3.7	0.3	47.8	1.4	23.4	13.3	5.9	17.5	15.3	10.9
Romania	933	29.4	1.6	2.0	2.1	4.3	0.3	29.7	1.6	29.0	29.4	9.1	19.9	32.3	25.6
Russian Federation	1021	31.2	0.2	5.8	1.9	2.0	1.4	27.7	0.9	28.9	31.2	9.5	19.4	28.6	33.7
Scotland	726	28.3	1.9	8.3	4.0	2.5	0.1	46.8	1.1	7.0	28.3	0.9	6.1	28.0	28.7
Singapore	893	73.3	0.0	6.5	0.8	3.9	0.7	12.9	0.2	1.8	73.3	0.1	1.7	73.1	73.4
Slovak Republic	889	42.9	0.5	2.8	1.0	4.4	0.6	23.8	4.1	19.9	42.9	4.3	15.6	42.0	43.7
Slovenia	714	35.8	1.2	2.3	1.8	4.2	1.6	32.3	2.2	18.6	35.8	3.2	15.3	35.8	35.8
South Africa	1285	3.7	14.2	1.0	1.7	2.0	1.1	56.8	1.0	18.5	3.7	7.4	11.1	2.8	4.8
Spain	936	21.7	3.5	2.2	1.7	6.3	0.4	39.3	0.7	24.3	21.7	4.3	19.9	22.2	21.2
Sweden	696	32.0	0.6	3.5	3.6	7.5	0.3	41.3	4.2	7.1	32.0	2.0	5.0	29.6	33.6
Switzerland	1012	34.3	0.9	4.8	1.9	4.7	0.3	41.1	2.6	9.4	34.3	2.5	6.9	35.4	33.1
Thailand	1441	33.4	1.1	2.5	4.7	4.6	1.2	47.4	0.2	4.9	33.4	0.9	4.0	32.3	35.4
United States	972	20.8	3.5	3.3	3.2	6.7	2.0	54.3	1.0	5.2	20.8	1.1	4.1	16.9	24.6
INTERNATIONAL AVG	.	33.9	2.0	3.9	2.2	4.4	0.8	35.9	1.7	15.2	33.9	4.2	11.0	32.3	35.4

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent