

Item: A01 KEY: B  
 NUCLEAR ENERGY SOURCE (Science Literacy)  
 Difficulty: 619

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	1941	5.0	41.6	10.1	40.7	2.7	41.6	0.1	0.0	2.6	37.4	47.4
Austria	1958	3.6	50.4	5.7	37.7	2.6	50.4	0.5	0.1	2.0	41.3	64.0
Canada	5232	6.9	40.5	8.6	42.1	1.8	40.5	0.0	0.0	1.8	34.1	47.4
Cyprus	534	4.7	29.2	10.2	51.7	4.2	29.2	0.5	0.0	3.8	28.4	30.2
Czech Republic	2167	8.1	37.7	4.2	45.2	4.7	37.7	0.1	0.0	4.6	30.7	44.4
Denmark	2714	8.3	51.5	9.7	20.8	9.8	51.5	0.8	0.2	8.8	43.6	61.2
France	1590	4.9	30.5	13.3	46.3	5.0	30.5	0.2	0.1	4.7	26.4	35.3
Germany	2289	3.7	44.2	4.7	36.3	11.1	44.2	2.7	0.1	8.3	35.6	52.0
Greece	.	.	.	.	.	.	.	.	.	.	.	.
Hungary	5091	3.7	41.3	3.9	44.6	6.4	41.3	0.0	0.0	6.4	38.0	44.3
Iceland	1701	5.0	27.6	6.2	59.0	2.3	27.6	0.1	0.2	2.0	18.8	37.7
Israel	1357	3.1	20.9	8.5	58.1	9.4	20.9	0.1	1.4	8.0	14.9	26.6
Italy	1616	5.2	39.6	7.5	41.7	6.1	39.6	0.3	0.0	5.8	33.3	47.0
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.
Lithuania	2886	4.9	44.7	4.2	38.1	8.2	44.7	0.0	0.6	7.6	42.2	49.5
Netherlands	1470	8.5	40.6	7.7	42.4	0.8	40.6	0.0	0.1	0.7	31.5	49.2
New Zealand	1760	5.8	36.7	11.4	44.9	1.1	36.7	0.0	0.0	1.1	30.0	43.8
Norway	2518	6.2	38.0	8.3	42.5	5.0	38.0	0.0	0.1	4.9	29.4	46.2
Russian Federation	2289	2.5	50.4	4.4	37.6	5.1	50.4	0.2	0.1	4.8	44.3	60.2
Slovenia	1622	4.9	30.6	7.5	45.0	11.8	30.6	0.4	0.0	11.4	20.9	40.1
South Africa	2756	14.1	25.8	11.7	43.5	4.9	25.8	0.0	0.0	4.9	26.5	25.4
Sweden	3067	9.2	55.0	7.3	26.6	1.9	55.0	0.4	0.0	1.4	48.4	61.7
Switzerland	3308	5.8	41.9	8.9	37.5	5.9	41.9	0.7	0.0	5.2	32.2	48.8
United States	5807	7.3	41.2	12.9	37.2	1.4	41.2	0.0	0.0	1.4	36.7	45.6
INTERNATIONAL AVG	.	6.0	39.1	8.0	41.8	5.1	39.1	0.3	0.1	4.6	32.9	45.8

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

Item: A02 KEY: D  
 EFFECTS OF CFCs (Science Literacy)  
 Difficulty: 417

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	1941	1.7	26.4	2.0	68.3	1.5	68.3	0.6	0.0	0.9	66.6	70.6
Austria	1958	2.3	14.8	2.2	74.5	6.2	74.5	5.8	0.1	0.3	73.8	75.7
Canada	5232	2.4	10.7	2.1	84.3	0.4	84.3	0.0	0.0	0.4	84.1	84.6
Cyprus	534	1.4	7.6	7.4	82.3	1.3	82.3	0.0	0.0	1.3	82.2	82.1
Czech Republic	2167	0.8	3.3	3.3	91.7	0.9	91.7	0.7	0.0	0.2	90.4	93.0
Denmark	2714	0.7	8.7	0.9	83.5	6.3	83.5	4.4	0.2	1.6	82.4	84.9
France	1590	1.2	5.0	3.8	86.2	3.9	86.2	1.6	0.1	2.2	85.8	87.3
Germany	2289	1.7	11.6	1.3	66.2	19.1	66.2	16.8	0.1	2.3	67.0	66.3
Greece	.	.	.	.	.	.	.	.	.	.	.	.
Hungary	5091	2.5	10.7	15.9	67.6	3.3	67.6	0.0	0.1	3.2	68.5	66.3
Iceland	1702	0.2	5.1	0.9	92.6	1.1	92.6	0.4	0.2	0.5	91.7	93.8
Israel	1357	2.1	5.0	8.0	77.2	7.8	77.2	0.1	1.8	5.8	77.0	77.1
Italy	1616	1.8	11.0	5.7	78.0	3.5	78.0	1.3	0.0	2.2	75.7	80.8
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.
Lithuania	2887	6.7	4.9	14.1	68.0	6.3	68.0	0.1	0.6	5.6	65.3	72.8
Netherlands	1470	0.5	8.0	2.2	88.8	0.5	88.8	0.0	0.1	0.4	87.6	89.8
New Zealand	1760	2.8	15.0	2.4	78.8	1.0	78.8	0.2	0.0	0.8	74.1	83.7
Norway	2518	0.5	13.6	1.9	82.2	1.9	82.2	0.0	0.1	1.9	81.6	82.8
Russian Federation	2289	9.6	5.3	14.1	66.3	4.7	66.3	0.4	0.1	4.2	63.3	71.1
Slovenia	1622	1.8	7.8	14.5	72.4	3.5	72.4	0.5	0.0	2.9	69.4	76.2
South Africa	2756	12.5	10.7	34.5	38.7	3.7	38.7	0.0	0.0	3.7	35.2	42.0
Sweden	3067	0.4	5.1	1.2	92.8	0.6	92.8	0.4	0.0	0.2	93.2	92.2
Switzerland	3308	3.1	10.6	2.7	72.9	10.8	72.9	9.7	0.1	1.0	73.6	71.9
United States	5807	6.0	9.5	5.5	77.9	1.1	77.9	0.2	0.0	0.9	79.1	76.7
INTERNATIONAL AVG	.	2.9	9.6	6.7	76.9	4.1	76.9	2.0	0.2	1.9	75.8	78.3

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

Item: A03 KEY: B  
 PERCENTAGE OF BICYCLE ACCIDENTS (Mathematics Literacy)  
 Difficulty: 488

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	1941	5.8	74.2	13.0	5.6	1.3	74.2	0.0	0.0	1.3	71.6	77.9
Austria	1958	11.8	64.6	16.2	5.5	2.0	64.6	0.1	0.1	1.8	61.4	70.1
Canada	5232	6.1	74.4	13.8	4.4	1.2	74.4	0.0	0.0	1.1	68.9	80.9
Cyprus	534	12.7	53.2	24.2	5.5	4.4	53.2	0.0	0.0	4.4	50.1	57.7
Czech Republic	2167	6.2	52.6	26.6	10.2	4.4	52.6	0.1	0.0	4.3	47.3	57.6
Denmark	2714	7.4	75.0	10.4	2.5	4.7	75.0	0.0	0.3	4.4	68.8	82.1
France	1590	7.5	74.0	12.9	2.8	2.8	74.0	0.0	0.1	2.7	68.5	79.8
Germany	2289	12.2	59.1	17.0	5.4	6.2	59.1	0.1	0.1	5.9	53.1	64.7
Greece	.	.	.	.	.	.	.	.	.	.	.	.
Hungary	5091	8.1	65.1	17.9	5.0	4.0	65.1	0.0	0.1	3.9	65.1	64.9
Iceland	1702	12.2	73.3	10.5	1.3	2.7	73.3	0.0	0.2	2.5	67.5	80.2
Israel	1357	9.9	69.3	11.5	2.1	7.2	69.3	0.1	2.1	5.0	64.5	73.0
Italy	1615	10.5	59.6	19.2	5.5	5.3	59.6	0.1	0.0	5.2	57.2	62.5
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.
Lithuania	2886	7.0	61.2	21.4	1.9	8.5	61.2	0.1	0.6	7.8	58.4	66.3
Netherlands	1470	5.3	82.5	9.5	2.1	0.6	82.5	0.0	0.1	0.5	76.3	88.3
New Zealand	1760	8.0	75.0	11.8	4.1	1.0	75.0	0.1	0.0	1.0	72.4	77.7
Norway	2518	11.1	67.3	13.7	3.8	4.1	67.3	0.0	0.1	4.0	60.0	74.2
Russian Federation	2288	9.5	53.7	21.3	7.8	7.7	53.7	0.0	0.1	7.6	48.6	62.0
Slovenia	1622	5.0	63.5	20.2	7.1	4.2	63.5	0.0	0.0	4.2	58.3	68.2
South Africa	2756	6.7	22.5	27.0	41.1	2.7	22.5	0.0	0.0	2.7	20.7	24.7
Sweden	3066	9.6	77.5	10.0	2.2	0.7	77.5	0.0	0.0	0.7	73.8	81.3
Switzerland	3308	6.5	67.3	17.8	5.9	2.5	67.3	0.0	0.1	2.5	61.5	71.7
United States	5807	11.2	57.4	22.2	7.8	1.4	57.4	0.0	0.0	1.4	54.6	60.1
INTERNATIONAL AVG	.	8.6	64.6	16.7	6.4	3.6	64.6	0.0	0.2	3.4	60.4	69.4

DIFF = Item Difficulty  
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Item: A04 KEY: C  
 EXPECTED POPULATION BY YEAR 2000 (Mathematics Literacy)  
 Difficulty: 452

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	1941	3.1	7.3	72.4	16.8	0.4	72.4	0.0	0.0	0.4	73.4	70.9
Austria	1958	3.5	5.5	70.7	18.7	1.6	70.7	0.1	0.1	1.4	70.5	71.3
Canada	5232	2.0	5.7	63.4	27.5	1.4	63.4	0.0	0.0	1.4	60.2	66.7
Cyprus	532	3.2	14.0	64.0	16.9	1.9	64.0	0.0	0.0	1.9	61.4	66.6
Czech Republic	2167	3.7	9.2	68.7	16.7	1.6	68.7	0.1	0.0	1.5	66.3	71.0
Denmark	2714	2.0	4.0	84.6	7.9	1.5	84.6	0.1	0.3	1.2	81.8	87.9
France	1590	1.5	6.1	80.3	11.5	0.6	80.3	0.0	0.1	0.6	78.7	81.7
Germany	2289	2.6	6.2	66.3	22.4	2.4	66.3	0.0	0.1	2.3	64.3	68.9
Greece	.	.	.	.	.	.	.	.	.	.	.	.
Hungary	5091	6.6	6.6	72.5	12.0	2.3	72.5	0.0	0.1	2.1	70.9	73.6
Iceland	1701	1.2	3.4	75.1	19.3	1.0	75.1	0.1	0.2	0.7	75.3	75.5
Israel	1357	6.6	8.1	64.7	16.4	4.3	64.7	0.0	2.1	2.2	62.1	67.3
Italy	1616	4.7	10.4	67.2	14.4	3.2	67.2	0.0	0.0	3.2	63.1	72.2
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.
Lithuania	2885	2.1	6.0	78.7	10.0	3.2	78.7	0.0	0.6	2.5	78.2	79.5
Netherlands	1470	2.5	4.0	85.3	7.9	0.3	85.3	0.0	0.1	0.2	82.0	88.4
New Zealand	1760	3.4	4.9	75.6	15.6	0.5	75.6	0.1	0.0	0.4	75.4	75.7
Norway	2518	3.0	3.2	78.2	14.6	1.1	78.2	0.0	0.1	1.0	77.2	79.1
Russian Federation	2289	3.0	5.6	75.5	14.1	1.8	75.5	0.3	0.2	1.3	73.3	79.1
Slovenia	1622	3.1	5.2	69.8	20.8	1.0	69.8	0.0	0.0	1.0	68.8	71.3
South Africa	2756	11.2	29.3	29.5	27.5	2.4	29.5	0.0	0.0	2.4	24.9	34.4
Sweden	3068	2.8	4.9	81.7	10.4	0.3	81.7	0.0	0.0	0.3	80.2	83.2
Switzerland	3308	2.0	4.8	75.6	16.9	0.7	75.6	0.1	0.1	0.5	75.1	76.1
United States	5807	3.6	10.1	69.0	17.1	0.2	69.0	0.0	0.0	0.2	66.6	71.4
INTERNATIONAL AVG	.	3.5	7.5	71.3	16.2	1.5	71.3	0.0	0.2	1.3	69.5	73.3

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Item: A05 KEY: C  
 SCHOOL TRIP PARTICIPATION (Mathematics Literacy)  
 Difficulty: 555

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	1941	25.9	10.3	49.8	12.5	1.6	49.8	0.0	0.0	1.6	47.5	52.9
Austria	1958	16.7	9.2	56.5	14.8	2.8	56.5	0.1	0.1	2.6	49.8	66.1
Canada	5232	28.4	10.1	49.0	10.8	1.7	49.0	0.0	0.0	1.6	44.6	54.5
Cyprus	532	36.0	16.9	30.7	11.9	4.5	30.7	0.0	0.0	4.5	30.7	32.1
Czech Republic	2167	30.6	12.7	39.2	11.7	5.9	39.2	0.2	0.1	5.6	35.2	43.0
Denmark	2714	18.5	8.8	59.6	10.0	3.1	59.6	0.1	0.3	2.8	52.6	67.4
France	1590	17.3	8.9	48.3	21.2	4.2	48.3	0.1	0.1	4.1	42.1	55.3
Germany	2289	16.9	9.5	55.8	13.1	4.7	55.8	0.4	0.1	4.2	53.6	58.4
Greece	.	.	.	.	.	.	.	.	.	.	.	.
Hungary	5091	28.5	11.0	41.5	9.7	9.3	41.5	0.0	0.3	9.0	39.5	43.5
Iceland	1702	8.6	13.5	64.6	9.7	3.6	64.6	0.1	0.2	3.4	62.7	66.7
Israel	1357	17.4	14.1	53.2	10.0	5.2	53.2	0.0	2.1	3.1	47.7	59.4
Italy	1616	26.5	11.8	45.3	10.3	6.1	45.3	0.1	0.0	6.0	45.1	45.6
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.
Lithuania	2885	29.1	8.3	47.9	9.3	5.4	47.9	0.0	0.6	4.7	44.2	55.0
Netherlands	1470	17.0	10.4	60.5	11.0	1.1	60.5	0.0	0.1	1.0	54.2	66.3
New Zealand	1760	24.9	12.6	48.4	12.4	1.7	48.4	0.4	0.0	1.3	44.9	52.1
Norway	2518	15.4	11.7	56.8	12.5	3.6	56.8	0.0	0.1	3.6	51.1	62.3
Russian Federation	2289	22.5	11.1	47.8	11.4	7.3	47.8	0.0	0.2	7.1	43.8	54.2
Slovenia	1622	24.2	13.3	46.0	10.7	5.8	46.0	0.0	0.0	5.8	42.5	50.1
South Africa	2755	41.0	17.4	21.9	16.7	2.9	21.9	0.0	0.0	2.9	22.6	21.6
Sweden	3065	14.2	7.5	65.9	11.9	0.5	65.9	0.0	0.0	0.5	62.1	69.8
Switzerland	3308	15.2	9.0	62.7	9.7	3.4	62.7	0.2	0.1	3.1	57.7	66.7
United States	5807	25.7	11.2	45.4	15.9	1.7	45.4	0.1	0.0	1.6	42.9	48.0
INTERNATIONAL AVG	.	22.7	11.3	49.9	12.1	3.9	49.9	0.1	0.2	3.6	46.2	54.1

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

Item: A06A  
 BIOLOGICAL CONTROL/EXAMPLE (Science Literacy)  
 Difficulty: 631

COUNTRY	N	10	11	12	19	70	71	76	79	90	99	V1	NOT	OMIT	1.GIRL	2.BOY
													REACH		% Right	% Right
													ED			
Australia	1941	41.2	1.4	8.5	1.1	2.4	11.5	0.5	10.5	0.3	22.7	52.2	0.0	22.6	52.8	51.3
Austria	1958	32.7	0.0	0.8	0.1	0.6	13.1	0.1	11.1	4.4	37.2	33.6	0.1	37.0	30.3	38.9
Canada	5232	52.8	0.1	0.6	1.5	2.2	3.6	0.3	13.0	2.4	23.5	55.0	0.0	23.5	53.6	57.0
Cyprus	532	21.0	0.2	0.6	5.0	0.5	0.0	1.0	11.2	2.3	58.3	26.7	0.0	58.3	23.2	31.6
Czech Republic	2166	34.6	0.1	0.5	1.5	0.2	2.5	1.8	9.9	1.8	47.0	36.7	0.1	46.8	31.4	41.8
Denmark	2714	33.7	0.2	1.7	0.6	2.8	5.6	0.1	7.4	0.6	47.4	36.2	0.3	47.1	34.7	37.9
France	1590	25.5	0.4	1.5	0.9	0.6	5.5	0.9	9.1	1.3	54.3	28.3	0.2	54.1	25.1	31.8
Germany	2287	15.5	0.2	1.2	1.4	0.7	5.5	1.1	9.7	6.1	58.7	18.3	0.1	58.6	18.1	19.2
Greece	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Hungary	5091	23.3	2.3	0.7	0.3	1.3	1.6	1.2	10.7	0.7	57.9	26.6	0.4	57.4	22.7	30.3
Iceland	1702	52.6	0.2	3.5	3.5	0.4	4.3	0.1	4.5	1.3	29.6	59.8	0.2	29.4	58.7	61.4
Israel	1357	34.3	0.5	8.0	1.7	6.7	3.1	1.2	3.5	0.4	40.6	44.6	2.6	38.0	38.5	49.9
Italy	1616	20.5	0.6	1.1	1.4	1.1	2.8	1.6	6.2	0.6	64.0	23.5	0.2	63.8	21.7	25.6
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Lithuania	2887	27.1	0.5	5.4	1.3	0.5	2.2	0.4	5.4	0.3	56.8	34.4	0.9	56.0	32.4	38.1
Netherlands	1470	62.5	0.3	0.5	1.5	3.0	7.3	0.6	10.2	4.1	10.0	64.8	0.2	9.8	62.3	67.2
New Zealand	1760	35.7	5.7	6.8	0.7	2.8	6.0	0.3	14.9	0.7	26.4	48.9	0.0	26.4	45.3	52.6
Norway	2518	44.9	0.7	1.1	1.3	0.5	5.7	0.2	9.8	4.7	31.2	47.9	0.1	31.1	43.1	52.5
Russian Federation	2289	31.9	1.7	1.3	1.2	0.6	2.9	0.3	6.1	8.4	45.6	36.1	0.3	45.4	32.1	42.6
Slovenia	1622	30.7	0.1	1.3	2.7	0.0	0.0	0.0	11.2	3.2	50.8	34.8	0.0	50.8	32.4	37.6
South Africa	2757	8.8	0.4	0.5	2.0	7.1	1.8	1.1	39.5	0.4	38.3	11.7	0.0	38.3	9.4	14.5
Sweden	3067	34.3	0.4	1.3	0.5	1.2	3.1	0.3	27.6	0.8	30.6	36.5	0.0	30.6	33.4	39.8
Switzerland	3308	25.6	0.2	0.8	2.1	3.6	10.4	0.5	10.7	4.5	41.5	28.7	0.1	41.5	25.8	31.0
United States	5807	39.4	0.0	0.3	0.4	2.4	3.9	0.9	23.4	2.1	27.2	40.2	0.4	26.8	37.9	42.5
INTERNATIONAL AVG	.	33.1	0.7	2.2	1.5	1.9	4.7	0.7	12.1	2.3	40.9	37.5	0.3	40.6	34.8	40.7

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: A06B  
 BIOLOGICAL CONTROL/PROBLEM (Science Literacy)  
 Difficulty: 594

COUNTRY	N	10	11	12	13	14	19	79	90	99	V1	NOT	1.GIRL	2.BOY	
												REACH			OMIT
Australia	1941	39.9	12.0	6.3	3.3	7.1	1.7	8.0	0.1	21.5	70.3	0.1	21.4	70.5	70.1
Austria	1958	21.9	3.9	4.9	3.2	9.3	0.7	14.5	4.1	37.6	43.8	0.1	37.4	40.3	50.6
Canada	5232	20.2	6.4	18.4	9.2	6.1	2.0	13.3	1.3	23.1	62.4	0.0	23.0	60.1	65.4
Cyprus	532	14.2	1.4	5.1	7.8	0.3	5.0	6.2	0.9	59.0	33.9	0.0	59.0	34.9	32.1
Czech Republic	2155	15.0	4.9	10.6	2.6	10.2	2.7	8.6	1.2	44.3	45.9	0.2	44.0	41.3	50.4
Denmark	2714	13.4	9.1	5.1	3.2	6.0	2.4	11.2	0.4	49.2	39.2	0.3	48.9	35.6	44.0
France	1590	12.0	2.8	8.9	4.8	0.9	0.7	10.2	0.7	59.0	30.1	0.5	58.5	25.4	35.2
Germany	2287	13.1	3.5	4.3	2.8	3.5	1.5	7.9	4.9	58.4	28.8	0.2	58.2	33.2	26.1
Greece	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Hungary	5091	5.7	3.9	6.9	6.8	3.7	0.5	10.8	0.3	61.4	27.5	0.6	60.9	24.6	30.4
Iceland	1700	24.2	8.4	13.3	4.7	9.2	5.3	5.9	0.6	28.4	65.1	0.3	28.1	64.4	66.1
Israel	1357	12.3	13.0	10.1	8.1	8.0	2.9	6.2	0.9	38.5	54.5	3.2	35.2	48.9	59.6
Italy	1616	9.8	1.8	8.2	4.6	1.4	1.6	6.1	0.8	65.9	27.3	0.3	65.6	25.8	29.0
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Lithuania	2887	9.5	11.1	11.2	2.1	0.6	2.5	5.8	0.3	56.9	37.0	1.2	55.7	34.0	42.7
Netherlands	1470	28.8	7.9	20.4	4.4	5.4	2.7	14.7	4.6	11.1	69.6	0.2	10.9	66.1	72.9
New Zealand	1760	22.4	16.4	8.9	2.5	9.2	2.1	14.5	0.5	23.4	61.6	0.0	23.4	60.0	63.3
Norway	2518	10.8	6.6	14.9	4.6	14.7	2.8	10.0	3.2	32.4	54.5	0.1	32.3	51.7	57.1
Russian Federation	2289	7.2	7.4	12.7	3.3	1.6	2.5	6.7	6.3	52.3	34.8	0.3	52.0	31.3	40.4
Slovenia	1622	14.0	0.7	16.2	3.9	3.9	2.5	6.2	3.5	48.9	41.4	0.0	48.9	39.7	43.2
South Africa	2756	4.3	1.4	6.0	3.2	1.4	2.2	37.4	0.9	43.4	18.4	0.0	43.4	15.2	22.1
Sweden	3064	16.6	8.3	15.5	4.9	5.9	1.5	16.6	0.6	30.1	52.7	0.0	30.1	51.0	54.3
Switzerland	3307	19.4	8.1	5.0	4.7	5.3	2.8	16.2	3.3	35.2	45.3	0.1	35.1	42.0	47.6
United States	5807	15.5	4.0	9.9	3.7	3.8	0.8	34.4	1.7	26.2	37.7	0.5	25.6	34.9	40.5
INTERNATIONAL AVG	.	15.9	6.5	10.1	4.5	5.4	2.2	12.3	1.9	41.2	44.6	0.4	40.8	42.3	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: A07  
 PRESSURE OF HEELS ON FLOOR (Science Literacy)  
 Difficulty: 596

COUNTRY	N	20	21	29	10	11	12	13	19	70	76	79	90	99	V1	V2	NOT	1.GIRL	2.BOY		
																	REACH			ED	OMIT
Australia	1941	23.9	27.8	0.6	3.7	2.9	3.6	0.6	5.8	8.9	2.9	10.4	0.2	8.6	68.9	52.4	0.1	8.5	50.9	54.4	
Austria	1958	27.0	23.9	0.0	3.3	3.9	1.0	0.9	8.3	10.7	5.3	8.4	1.3	6.0	68.5	50.9	0.1	5.9	47.9	56.3	
Canada	5232	21.6	28.4	0.6	4.4	2.0	5.1	1.2	5.7	8.5	3.3	11.9	0.7	6.7	69.0	50.6	0.1	6.6	46.2	55.8	
Cyprus	534	24.9	15.6	1.9	5.8	2.2	1.1	0.4	5.8	10.2	5.7	5.3	0.6	20.5	57.7	42.4	0.0	20.5	44.3	39.7	
Czech Republic	2163	14.1	13.0	0.9	1.0	1.7	0.8	13.8	4.7	16.8	14.7	9.8	0.3	8.3	50.2	28.0	0.3	8.0	23.3	32.5	
Denmark	2714	18.5	20.9	0.2	1.6	0.2	7.2	7.0	8.8	13.1	3.0	6.3	0.2	13.1	64.4	39.5	0.4	12.7	38.9	39.9	
France	1590	8.3	27.7	0.1	0.7	2.6	0.9	2.5	5.0	12.0	8.9	9.9	0.6	20.8	47.8	36.1	0.5	20.3	31.2	41.4	
Germany	2287	22.3	30.0	0.0	1.5	1.5	5.4	0.8	3.8	5.7	5.9	8.5	1.3	13.2	65.3	52.3	0.2	13.0	48.6	55.6	
Greece	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Hungary	5091	22.8	24.2	0.1	0.8	1.6	14.4	2.3	1.0	11.9	0.5	6.0	0.5	13.9	67.2	47.1	0.6	13.3	46.4	47.6	
Iceland	1702	16.3	39.5	0.0	0.0	1.8	3.3	0.0	17.1	12.7	0.3	5.2	0.1	3.7	78.1	55.8	0.3	3.3	52.0	60.9	
Israel	1357	14.6	20.9	0.4	1.3	1.6	7.1	2.8	4.7	10.2	6.0	2.4	0.1	27.9	53.5	35.9	3.2	24.6	32.1	39.9	
Italy	1615	15.7	29.3	0.6	1.3	1.9	1.8	0.3	2.7	11.2	5.5	7.2	0.8	21.8	53.6	45.6	0.3	21.5	40.7	51.4	
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Lithuania	2887	10.9	9.4	0.8	1.0	0.9	1.5	8.4	12.5	14.6	10.1	13.2	0.6	16.3	45.3	21.0	1.3	15.0	18.4	25.9	
Netherlands	1470	31.1	23.6	0.3	3.0	2.8	11.4	1.3	4.4	9.4	3.9	6.2	0.4	2.2	77.9	55.0	0.2	2.0	51.4	58.4	
New Zealand	1760	16.6	28.0	0.3	3.7	3.5	5.3	0.7	9.5	8.3	3.5	13.2	0.4	7.0	67.6	44.9	0.0	7.0	41.0	49.0	
Norway	2518	15.9	33.9	0.0	1.7	1.4	8.0	0.6	10.3	17.1	1.6	4.8	0.5	4.1	71.8	49.9	0.1	4.1	46.0	53.5	
Russian Federation	2289	24.1	6.6	0.2	5.5	7.3	1.1	2.0	6.2	4.4	15.6	6.1	4.1	16.7	53.0	30.9	0.3	16.4	28.1	35.5	
Slovenia	1622	18.7	9.4	0.0	7.9	12.5	8.6	5.0	9.0	1.3	14.3	5.3	0.6	7.4	71.2	28.2	0.0	7.4	26.6	29.8	
South Africa	2757	6.4	3.3	0.3	2.6	0.7	0.8	1.1	3.8	27.0	3.6	26.6	0.5	23.3	18.9	10.0	0.0	23.3	7.7	12.8	
Sweden	3064	22.9	22.8	1.1	3.5	3.3	9.1	1.5	7.6	10.4	2.0	10.5	0.3	5.0	71.8	46.8	0.0	5.0	43.1	50.5	
Switzerland	3308	20.5	27.8	0.2	2.2	2.9	6.4	1.1	9.4	9.0	3.2	11.4	0.6	5.5	70.3	48.4	0.1	5.4	46.6	49.7	
United States	5807	12.3	11.8	0.0	6.5	3.4	4.2	0.4	3.2	12.6	1.6	31.7	0.9	11.4	41.7	24.1	0.5	10.9	22.1	26.0	
INTERNATIONAL AVG	.	18.6	21.7	0.4	2.9	2.8	4.9	2.5	6.8	11.2	5.5	10.0	0.7	12.0	60.6	40.7	0.4	11.6	37.9	43.9	

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: A08  
 DATA FROM TWO GRAPHS (Mathematics Literacy)  
 Difficulty: 573

COUNTRY	N	20	21	29	10	11	12	13	19	70	71	79	90	99	V1	V2	NOT	1.GIRL	2.BOY		
																	REACH			ED	OMIT
Australia	1941	24.7	20.5	0.0	0.5	7.8	9.8	2.8	0.2	5.0	4.2	9.5	0.8	14.3	66.2	45.2	0.1	14.2	39.7	52.8	
Austria	1962	27.2	24.2	0.0	2.4	8.7	5.2	1.3	1.7	2.9	1.5	8.1	2.3	14.5	70.7	51.4	0.2	14.3	47.3	59.6	
Canada	5232	26.3	23.5	0.0	1.4	9.0	3.4	2.0	1.3	4.0	4.8	12.3	1.3	10.6	66.9	49.9	0.1	10.5	42.4	58.8	
Cyprus	533	15.2	9.9	0.0	5.7	7.3	2.8	1.1	0.0	0.6	0.3	17.6	1.2	38.2	42.1	25.2	0.0	38.2	24.3	25.9	
Czech Republic	2165	22.8	17.0	0.0	1.8	2.5	3.0	2.8	0.2	3.4	1.7	6.3	1.1	37.4	50.1	39.8	0.3	37.1	32.7	46.6	
Denmark	2714	36.7	25.1	0.0	0.5	5.4	4.4	0.5	0.6	5.3	3.8	6.8	0.3	10.5	73.2	61.8	0.4	10.1	54.4	70.9	
France	1590	25.6	30.6	0.1	1.1	6.4	1.9	2.2	0.4	4.6	2.4	8.7	0.4	15.6	68.3	56.2	0.6	15.0	52.9	60.4	
Germany	2287	26.5	21.0	0.0	2.9	5.0	3.5	1.5	0.2	3.0	2.7	6.1	2.8	24.8	60.6	47.5	0.2	24.6	42.6	52.1	
Greece	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Hungary	5091	30.5	15.2	0.0	7.7	5.4	0.7	0.2	0.6	3.6	0.2	9.6	1.6	24.8	60.2	45.7	0.6	24.2	45.6	45.8	
Iceland	1703	34.8	21.4	0.0	0.6	8.0	3.7	3.4	1.2	5.5	3.8	7.2	0.7	9.7	73.1	56.2	0.3	9.3	48.9	64.3	
Israel	1356	14.6	12.7	0.0	2.7	13.3	2.2	1.0	0.9	9.6	0.6	6.6	0.5	35.3	47.4	27.3	3.4	31.9	22.3	32.1	
Italy	1615	13.5	21.1	0.0	7.0	12.1	1.3	1.4	1.5	1.6	1.7	7.5	0.8	30.5	57.9	34.6	0.4	30.2	32.4	37.2	
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Lithuania	2886	28.6	16.4	0.0	1.3	7.9	0.9	2.3	0.9	1.4	1.1	6.2	0.6	32.4	58.2	45.0	1.5	30.9	40.4	53.8	
Netherlands	1470	31.6	29.3	0.0	0.5	11.3	2.8	2.3	0.5	2.9	1.9	7.7	3.6	5.5	78.4	61.0	0.2	5.3	50.3	70.9	
New Zealand	1763	23.3	15.2	0.0	0.7	9.5	10.0	1.6	0.5	7.2	6.4	12.7	0.9	12.0	60.8	38.4	0.0	12.0	34.5	42.5	
Norway	2518	32.7	20.5	0.0	0.3	6.8	5.9	2.6	1.1	3.7	4.7	5.5	2.4	13.8	70.0	53.2	0.1	13.7	46.9	59.3	
Russian Federation	2289	22.7	13.8	0.0	2.8	7.3	1.6	2.2	0.7	3.6	2.3	10.6	0.4	31.9	51.1	36.5	0.3	31.6	32.9	42.4	
Slovenia	1622	14.2	13.7	0.0	3.5	19.9	9.0	0.1	0.3	1.4	0.2	14.0	3.1	20.7	60.6	27.9	0.0	20.7	22.8	33.1	
South Africa	2756	3.4	4.5	0.0	0.8	3.9	1.4	0.6	0.3	4.8	3.7	30.9	0.8	44.9	15.0	7.9	0.0	44.9	6.9	9.3	
Sweden	3065	37.3	27.1	0.0	0.8	2.4	3.3	1.4	0.2	6.3	2.3	7.3	0.4	11.1	72.5	64.5	0.0	11.1	60.5	68.4	
Switzerland	3308	32.2	28.1	0.0	0.5	7.2	4.6	1.0	0.9	5.4	2.0	6.0	1.2	10.9	74.4	60.3	0.1	10.8	55.0	64.6	
United States	5782	10.8	9.9	0.0	1.2	10.0	10.0	1.6	0.5	5.8	6.5	23.6	2.1	17.9	44.1	20.8	0.6	17.4	17.9	23.6	
INTERNATIONAL AVG	.	24.3	19.1	0.0	2.1	8.0	4.2	1.6	0.7	4.2	2.7	10.5	1.3	21.2	60.1	43.5	0.4	20.8	38.8	48.8	

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: A09B  
 PATENTS PER YEAR/GIVE REASON (Science Literacy)  
 Difficulty: 660

COUNTRY	N	NOT REACHED											V1	OMIT	1.GIRL		2.BOY	
		10	11	12	13	14	19	70	71	79	90	99			% Right	% Right		
Australia	1941	5.5	11.7	4.8	2.0	5.4	15.5	0.2	9.9	11.1	0.4	33.5	44.9	0.2	33.3	45.2	44.5	
Austria	1962	6.6	6.8	3.0	2.4	1.4	2.5	8.9	10.2	13.9	3.8	40.4	22.8	0.3	40.1	20.5	27.1	
Canada	5232	5.5	13.6	5.5	3.0	8.6	11.5	1.3	7.3	19.5	2.4	21.8	47.8	0.1	21.7	48.3	47.8	
Cyprus	533	20.0	3.0	1.8	0.8	0.3	1.1	0.7	3.7	11.6	0.6	56.5	27.0	0.0	56.5	32.8	19.9	
Czech Republic	2156	11.3	6.8	1.7	0.9	2.2	7.3	0.4	10.6	8.7	0.7	49.4	30.2	0.4	49.0	29.3	31.0	
Denmark	2713	8.9	7.3	5.3	1.4	4.2	9.9	0.3	12.4	4.3	1.1	44.9	37.0	0.6	44.3	31.7	43.6	
France	1590	8.2	7.7	2.4	4.3	3.1	5.7	1.1	4.7	15.4	4.6	42.7	31.4	1.0	41.8	31.8	31.0	
Germany	2285	15.6	9.6	2.8	1.1	1.0	5.0	1.0	4.7	8.1	3.2	48.0	35.0	0.7	47.3	35.1	35.7	
Greece	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
Hungary	5091	19.4	3.7	6.5	1.2	0.0	0.9	0.1	5.8	9.7	0.7	51.9	31.7	1.0	50.9	33.3	30.2	
Iceland	1703	7.0	7.0	5.9	1.4	4.4	17.4	0.6	14.7	8.2	1.7	31.6	43.1	0.4	31.3	40.3	46.9	
Israel	1356	29.9	5.4	2.2	1.9	3.2	4.9	0.5	10.7	1.4	1.0	38.8	47.6	3.7	35.1	45.3	51.4	
Italy	1614	10.2	5.4	1.1	0.5	3.9	8.9	0.7	6.3	4.2	1.4	57.3	30.0	0.7	56.6	28.2	32.1	
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
Lithuania	2887	4.9	1.6	0.8	0.3	1.5	4.2	1.1	2.5	10.5	0.5	72.2	13.2	1.9	70.3	11.2	17.2	
Netherlands	1470	14.9	6.2	6.1	2.3	3.3	6.3	1.2	18.2	19.5	8.6	13.4	39.0	0.2	13.2	33.8	43.9	
New Zealand	1763	3.3	9.2	8.4	2.4	4.3	10.3	0.7	9.1	19.8	1.3	31.3	37.9	0.1	31.3	34.3	41.6	
Norway	2518	22.3	9.1	4.1	1.1	3.0	5.9	0.2	11.0	4.1	3.6	35.6	45.5	0.2	35.5	40.9	50.0	
Russian Federation	2289	2.6	4.1	4.6	1.9	0.6	4.6	0.0	3.0	4.2	11.1	63.3	18.3	0.7	62.6	15.8	22.5	
Slovenia	1622	6.9	5.2	0.8	0.1	2.3	11.6	0.1	1.3	33.9	1.2	36.5	26.9	0.0	36.5	26.6	26.7	
South Africa	2757	2.3	0.1	0.1	0.1	0.5	2.2	0.3	0.7	50.0	0.5	43.3	5.1	0.0	43.3	5.1	5.3	
Sweden	3058	9.6	13.2	7.2	1.4	5.8	8.8	0.4	5.8	16.5	1.2	30.0	46.0	0.2	29.8	44.8	47.4	
Switzerland	3308	12.5	9.4	3.3	2.1	1.8	7.9	0.3	13.5	8.7	4.1	36.4	36.9	0.1	36.4	36.1	37.6	
United States	5807	2.7	12.8	6.6	1.4	4.5	5.5	0.4	5.7	33.8	2.2	24.2	33.6	0.6	23.6	36.0	31.3	
INTERNATIONAL AVG	.	10.5	7.2	3.9	1.6	3.0	7.2	0.9	7.8	14.4	2.5	41.1	33.2	0.6	40.5	32.1	34.8	

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: A10  
 DRAW GRAPH RELATING HEIGHT AND AGE (Mathematics Literacy)  
 Difficulty: 685

COUNTRY	N	20	10	11	12	13	19	70	71	79	90	99	V1	V2	NOT	OMIT	1.GIRL	2.BOY
															REACH ED		% Right	% Right
Australia	1940	14.4	35.9	0.5	1.5	1.4	1.2	3.9	10.5	15.6	0.7	14.4	54.9	14.4	0.5	14.0	12.0	17.7
Austria	1960	13.9	13.3	0.5	1.4	4.3	1.6	10.3	1.9	27.8	4.6	20.4	35.1	13.9	0.4	20.0	11.9	17.7
Canada	5232	22.4	35.9	0.6	1.5	2.2	3.6	2.5	6.1	13.9	1.8	9.5	66.2	22.4	0.2	9.4	19.5	25.2
Cyprus	533	8.9	9.5	1.2	5.5	2.5	0.8	6.6	7.3	26.3	1.0	30.6	28.3	8.9	0.3	30.2	8.0	9.3
Czech Republic	2163	15.6	12.2	1.7	3.0	3.1	3.2	4.2	4.6	18.9	3.0	30.5	38.8	15.6	0.7	29.8	10.7	20.2
Denmark	2714	28.4	16.0	5.2	5.5	3.6	1.0	2.6	5.2	17.5	0.5	14.5	59.6	28.4	0.8	13.8	25.9	31.0
France	1590	23.8	25.9	1.0	3.2	1.9	1.6	3.9	7.9	11.4	1.7	17.6	57.6	23.8	1.0	16.6	21.9	26.5
Germany	2282	20.5	23.5	1.2	2.7	1.5	0.7	3.6	7.6	12.9	4.4	21.5	50.0	20.5	0.8	20.7	21.7	19.7
Greece	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Hungary	5091	28.2	19.1	2.8	2.5	2.2	0.6	4.2	3.3	14.4	3.3	19.4	55.5	28.2	1.5	17.9	29.5	27.3
Iceland	1703	24.9	17.3	0.0	0.4	13.3	2.9	11.8	0.4	16.0	2.5	10.5	58.8	24.9	0.5	10.0	23.3	26.5
Israel	1356	27.3	28.0	1.0	2.7	1.6	1.4	3.2	4.6	3.9	1.2	25.1	62.0	27.3	4.1	21.0	21.5	32.3
Italy	1615	13.4	13.9	0.7	2.5	2.2	2.9	4.4	5.3	18.7	2.5	33.7	35.5	13.4	1.0	32.8	12.1	14.9
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Lithuania	2887	13.3	9.9	3.8	1.7	4.0	1.6	5.9	3.4	24.0	2.3	30.3	34.2	13.3	2.2	28.1	11.4	16.7
Netherlands	1470	23.3	18.3	2.1	3.5	6.6	1.4	6.3	5.1	22.2	5.6	5.7	55.2	23.3	0.3	5.4	21.5	25.0
New Zealand	1763	25.5	26.6	0.7	2.6	2.7	0.3	4.9	7.3	18.4	1.0	9.9	58.4	25.5	0.1	9.9	22.5	28.6
Norway	2517	40.8	14.8	1.8	4.0	6.1	0.4	3.0	4.1	13.0	1.3	10.6	67.9	40.8	0.2	10.4	37.2	44.2
Russian Federation	2289	10.8	16.8	0.2	4.0	2.6	0.5	11.2	7.0	13.8	0.6	32.6	34.8	10.8	1.2	31.4	10.9	10.6
Slovenia	1622	18.7	11.9	0.0	3.0	1.6	14.8	0.2	2.0	28.6	7.1	12.1	50.1	18.7	0.0	12.1	16.3	21.1
South Africa	2757	2.6	6.6	0.5	0.3	0.5	3.1	1.7	2.7	42.1	1.3	38.8	13.5	2.6	0.0	38.8	2.5	2.8
Sweden	3062	20.5	9.8	0.2	1.2	15.4	1.7	9.4	1.6	21.0	2.5	16.6	48.8	20.5	0.2	16.5	17.0	24.2
Switzerland	3308	25.3	18.1	1.9	3.8	3.7	1.3	5.8	6.8	18.9	3.0	11.3	54.1	25.3	0.2	11.1	24.6	26.2
United States	5807	11.2	24.9	0.7	1.1	2.7	0.3	7.3	4.9	30.4	1.0	15.5	41.0	11.2	0.6	14.8	10.7	11.8
INTERNATIONAL AVG	.	19.7	18.6	1.3	2.6	3.9	2.1	5.3	5.0	19.5	2.4	19.6	48.2	19.7	0.7	18.8	17.8	21.8

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: AllA  
 PAINTING THE BRIDGE/REASON (Science Literacy)  
 Difficulty: 436

COUNTRY	N	10	19	70	71	72	73	79	90	99	V1	NOT	1.GIRL	2.BOY	
												REACH			OMIT
												ED			
Australia	1940	77.2	0.9	1.9	3.1	0.3	0.3	5.4	0.2	10.6	78.1	0.7	10.0	72.5	86.0
Austria	1961	75.6	1.1	3.3	3.0	0.0	1.6	3.0	2.2	10.3	76.7	0.4	9.9	71.4	86.0
Canada	5232	74.8	2.6	2.2	1.4	0.0	0.6	9.6	0.8	7.9	77.4	0.2	7.7	71.0	84.7
Cyprus	533	66.5	4.1	1.1	1.6	0.0	0.1	5.1	0.1	21.4	70.6	0.3	21.0	64.7	78.4
Czech Republic	2164	70.7	5.6	2.1	0.2	0.1	1.1	1.9	0.6	17.6	76.3	0.7	16.9	67.0	85.2
Denmark	2714	68.9	2.3	2.9	4.7	1.3	1.1	3.4	0.3	15.1	71.2	0.8	14.3	67.7	75.3
France	1590	70.3	3.9	2.2	3.1	0.1	0.0	3.8	0.5	16.1	74.2	1.0	15.1	69.6	79.4
Germany	2287	73.8	4.1	2.4	0.7	0.0	1.1	2.9	2.1	12.9	77.9	0.8	12.1	71.5	83.5
Greece	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Hungary	5091	66.4	3.2	2.5	0.5	1.4	1.4	4.3	0.2	20.1	69.6	1.7	18.4	60.9	77.5
Iceland	1703	81.5	3.8	1.0	0.3	0.0	2.5	3.0	0.7	7.2	85.3	0.5	6.8	81.8	89.4
Israel	1357	62.0	2.2	2.4	1.2	0.0	0.1	7.1	0.4	24.6	64.3	4.2	20.4	57.4	70.4
Italy	1616	41.2	9.1	5.1	8.4	0.7	3.3	4.7	0.7	26.7	50.3	1.1	25.6	48.1	52.8
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Lithuania	2887	59.5	1.4	1.4	0.4	0.5	0.4	2.7	0.3	33.3	60.9	2.4	30.9	57.5	67.5
Netherlands	1470	85.5	4.2	1.6	0.9	0.1	0.4	3.3	1.0	3.0	89.7	0.3	2.8	86.7	92.5
New Zealand	1763	81.9	0.1	1.5	4.8	0.2	0.7	4.2	0.2	6.3	82.1	0.1	6.2	77.9	86.4
Norway	2517	76.9	0.5	2.0	5.2	0.3	1.0	3.8	1.8	8.4	77.5	0.3	8.1	71.4	83.3
Russian Federation	2289	67.0	2.1	1.6	1.4	0.0	1.0	2.9	1.2	22.7	69.1	1.4	21.3	62.5	79.9
Slovenia	1622	84.6	1.3	0.7	0.0	0.0	0.0	3.2	0.5	9.7	85.9	0.0	9.7	84.5	87.6
South Africa	2756	36.2	5.5	4.8	1.8	0.0	0.1	27.8	0.6	23.3	41.6	0.0	23.3	33.6	50.5
Sweden	3064	80.9	2.4	1.7	2.3	0.1	1.5	3.8	0.7	6.5	83.4	0.2	6.3	77.1	89.8
Switzerland	3308	77.1	4.4	2.1	2.0	0.1	0.7	3.5	1.0	9.0	81.5	0.2	8.8	71.8	88.9
United States	5807	66.3	2.3	3.7	3.7	0.3	0.8	11.2	1.3	10.3	68.6	0.6	9.7	64.9	72.4
INTERNATIONAL AVG	.	70.2	3.1	2.3	2.3	0.3	0.9	5.5	0.8	14.7	73.3	0.8	13.9	67.8	79.4

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: AllB  
 PAINTING THE BRIDGE/CONSEQUENCES OF NEW PAINT (Science Literacy)  
 Difficulty: 496

COUNTRY	N	10	11	12	19	70	76	79	90	99	V1	NOT	1.GIRL	2.BOY	
												REACH			OMIT
Australia	1940	14.1	23.1	24.9	2.3	1.4	4.7	14.9	0.4	14.4	64.2	1.0	13.4	59.3	71.2
Austria	1961	24.0	33.0	9.3	1.6	1.8	7.0	8.0	1.6	13.6	67.9	0.4	13.3	61.8	77.7
Canada	5232	17.3	16.7	31.5	1.6	0.9	1.6	21.3	0.7	8.4	67.1	0.5	8.0	61.6	72.9
Cyprus	533	26.5	7.8	6.6	1.4	5.7	2.6	10.3	1.4	37.7	42.3	0.8	36.9	33.5	53.7
Czech Republic	2161	38.4	19.3	1.1	2.8	12.8	5.1	5.7	0.8	13.9	61.6	0.9	13.0	56.8	66.3
Denmark	2714	33.0	28.9	6.8	1.6	0.6	3.0	7.7	0.3	18.1	70.4	1.0	17.1	68.1	73.2
France	1590	26.4	30.2	8.8	0.9	3.3	3.1	6.8	0.6	19.9	66.3	1.1	18.8	64.3	68.3
Germany	2286	28.2	33.8	7.4	0.8	1.9	3.3	3.5	1.5	19.6	70.1	0.9	18.7	64.6	75.1
Greece	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Hungary	5090	33.1	11.6	4.3	1.9	1.2	0.9	13.7	0.3	33.1	50.8	2.0	31.0	46.0	55.2
Iceland	1703	37.1	14.3	26.3	2.2	1.7	0.8	7.6	0.3	9.8	79.8	0.8	9.0	75.1	85.3
Israel	1357	25.6	26.3	3.8	4.2	4.3	1.9	4.5	0.4	29.0	59.9	4.6	24.5	53.2	65.9
Italy	1614	30.4	19.3	3.0	1.9	5.3	3.9	5.6	0.2	30.3	54.6	1.4	28.9	51.8	58.1
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Lithuania	2887	17.1	13.8	3.8	4.8	2.6	5.1	6.0	0.1	46.8	39.5	2.7	44.0	35.1	47.8
Netherlands	1470	28.2	36.3	16.1	1.7	1.7	3.1	8.3	1.2	3.5	82.3	0.3	3.2	78.9	85.4
New Zealand	1763	25.1	47.8	5.7	0.4	5.4	1.1	7.5	0.3	6.7	79.0	0.1	6.6	79.7	78.2
Norway	2517	33.3	18.3	15.9	2.7	6.8	0.7	9.2	1.5	11.5	70.2	0.4	11.1	63.3	76.8
Russian Federation	2289	21.3	28.4	8.9	1.1	0.4	1.0	2.9	2.3	33.7	59.7	1.7	32.0	52.5	71.4
Slovenia	1622	11.3	65.9	0.4	3.3	4.4	3.7	3.1	0.1	7.7	81.0	0.0	7.7	80.3	82.1
South Africa	2757	6.3	7.2	1.6	1.2	9.2	7.0	38.2	0.5	28.7	16.4	0.1	28.6	11.8	21.7
Sweden	3066	31.6	45.6	9.3	1.2	1.2	0.9	4.6	0.1	5.5	87.7	0.3	5.2	85.5	90.0
Switzerland	3308	29.5	32.3	13.3	2.6	1.0	2.5	7.7	0.6	10.6	77.7	0.5	10.1	70.8	82.7
United States	5807	8.0	20.2	20.8	1.3	3.2	1.2	31.6	1.5	12.2	50.3	0.7	11.6	43.9	56.8
INTERNATIONAL AVG	.	24.8	26.4	10.4	2.0	3.5	2.9	10.4	0.8	18.9	63.6	1.0	17.9	59.0	68.9

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: AllC  
 PAINTING THE BRIDGE/CONSEQUENCES OF NEW PAINT (Science Literacy)  
 Difficulty: 587

COUNTRY	N	10	11	12	19	70	76	79	90	99	V1	NOT	OMIT	1.GIRL	2.BOY
												REACH		% Right	% Right
												ED			
Australia	1892	22.5	6.4	10.1	3.4	1.4	2.3	24.3	0.0	29.5	42.5	1.0	28.6	39.8	46.3
Austria	1961	31.5	16.1	5.7	5.3	0.9	2.7	8.7	1.5	27.5	58.7	0.5	27.1	55.2	64.5
Canada	5231	19.0	6.2	14.2	5.8	0.4	1.1	24.7	1.6	26.9	45.2	0.5	26.5	41.1	50.1
Cyprus	360	18.5	4.6	5.0	0.5	3.0	0.6	8.4	0.0	59.3	28.6	1.1	58.2	25.6	33.6
Czech Republic	2160	27.2	12.1	1.1	2.6	5.5	13.1	8.4	0.7	29.5	42.9	1.0	28.4	38.6	47.0
Denmark	2604	28.7	9.5	4.8	2.0	0.5	1.3	15.3	0.3	37.7	45.0	1.1	36.6	42.4	48.5
France	1590	21.7	12.4	7.4	1.7	1.7	2.3	15.3	0.5	36.9	43.3	1.5	35.4	40.3	45.9
Germany	2269	24.8	15.1	5.2	2.8	1.1	2.6	9.5	2.9	36.0	47.9	1.0	35.0	46.8	49.0
Greece	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Hungary	5090	19.7	2.8	3.4	1.2	0.7	0.4	12.2	0.3	59.3	27.1	2.4	56.9	23.5	30.1
Iceland	1702	31.7	5.8	14.1	4.1	1.2	1.2	13.0	0.2	28.7	55.8	1.0	27.7	51.3	61.0
Israel	1357	22.7	11.3	2.7	5.0	4.8	1.0	6.6	0.5	45.5	41.7	4.9	40.6	37.9	45.3
Italy	1590	23.5	10.0	5.0	2.8	2.4	2.6	9.1	0.3	44.4	41.2	1.5	42.9	38.7	44.2
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Lithuania	2851	10.9	9.7	2.9	5.9	1.3	2.5	10.4	0.0	56.5	29.4	2.8	53.7	26.7	34.5
Netherlands	1470	39.0	17.0	9.1	4.8	1.0	1.8	12.9	2.6	11.9	69.9	0.3	11.6	64.7	74.9
New Zealand	1763	35.4	16.4	8.0	2.6	3.3	2.6	14.9	0.1	16.6	62.4	0.1	16.5	63.4	61.4
Norway	2517	30.3	7.8	16.0	4.7	3.6	0.6	12.9	3.4	20.8	58.8	0.5	20.3	51.3	66.0
Russian Federation	2289	11.5	9.1	5.6	2.3	0.3	0.5	5.6	0.9	64.2	28.5	1.8	62.5	24.1	35.6
Slovenia	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
South Africa	1320	8.2	4.5	1.6	0.9	2.4	5.9	27.8	0.1	48.6	15.2	0.1	48.5	12.2	18.3
Sweden	3042	45.7	16.2	8.8	3.1	0.9	0.4	9.5	0.1	15.1	73.8	0.3	14.8	70.7	76.9
Switzerland	3308	32.3	13.8	8.8	4.5	0.8	1.1	11.6	1.3	25.9	59.4	0.6	25.3	57.4	60.4
United States	5807	13.9	6.3	8.7	2.6	1.1	1.3	33.7	0.9	31.6	31.4	0.7	30.9	29.0	33.9
INTERNATIONAL AVG	.	24.7	10.2	7.1	3.3	1.8	2.3	14.0	0.9	35.8	45.2	1.2	34.7	41.9	48.9

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: A12  
 PRICE OF RENTING OFFICE SPACE (Mathematics Literacy)  
 Difficulty: 554

COUNTRY	N	30	39	20	21	10	11	12	16	19	70	71	79	90	99	V1	V2	V3	NOT	1.GIRL	2.BOY		
																			REACH			OMIT	% Right
Australia	1940	54.5	0.3	6.1	1.1	2.5	2.8	7.0	0.3	0.1	2.7	3.5	1.0	0.5	17.8	74.5	61.9	54.8	1.0	16.8	53.4	56.8	
Austria	1961	58.1	0.1	4.0	2.1	2.1	5.2	5.4	0.7	0.1	3.9	5.3	1.4	1.3	10.4	77.7	64.2	58.1	0.5	9.9	56.4	62.1	
Canada	5232	56.6	0.7	5.9	1.3	3.8	2.6	4.4	0.0	0.2	4.1	3.8	1.5	1.1	13.9	75.6	64.5	57.3	0.5	13.3	54.4	61.0	
Cyprus	533	33.0	0.9	2.1	0.2	1.6	4.9	2.9	0.0	0.0	7.6	3.6	1.9	0.1	41.2	45.6	36.2	33.9	1.2	40.0	31.9	35.7	
Czech Republic	2162	36.1	2.3	5.4	1.4	3.2	7.2	3.6	0.1	0.1	3.1	5.8	1.3	0.9	29.4	59.4	45.3	38.4	1.1	28.3	32.9	43.6	
Denmark	2713	72.7	0.2	4.5	2.3	2.5	1.3	2.3	0.1	0.1	1.2	1.2	0.5	0.1	10.9	86.2	79.8	73.0	1.1	9.8	71.2	74.9	
France	1590	65.6	0.4	5.0	1.5	3.3	1.3	3.2	0.0	0.1	1.5	1.5	0.7	0.6	15.3	80.4	72.5	66.0	1.7	13.6	65.2	66.8	
Germany	2285	43.9	1.5	5.6	2.8	2.3	5.0	3.9	0.1	0.1	3.7	5.0	1.5	2.8	22.0	65.1	53.7	45.4	1.1	20.9	41.6	48.9	
Greece	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Hungary	5091	39.1	0.3	3.4	2.4	2.1	2.7	8.5	0.3	0.2	5.3	4.7	2.5	1.3	27.1	59.1	45.2	39.4	2.7	24.4	40.2	38.7	
Iceland	1703	59.6	1.9	7.3	1.2	5.4	1.3	4.9	0.0	0.3	2.4	1.3	1.0	1.2	12.3	81.8	69.9	61.4	1.0	11.3	57.6	66.2	
Israel	1357	37.5	0.1	6.1	0.9	3.2	3.8	4.3	0.1	0.1	5.3	6.3	0.7	0.3	31.2	56.2	44.6	37.6	4.9	26.4	32.6	42.9	
Italy	1614	34.9	2.2	2.1	1.7	4.3	5.1	2.6	0.2	0.2	5.0	6.4	1.2	1.0	33.2	53.3	40.8	37.0	1.7	31.6	33.9	40.8	
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Lithuania	2886	28.8	3.8	5.0	1.6	5.0	3.1	3.1	0.3	0.6	2.9	2.9	1.6	0.5	40.9	51.3	39.2	32.6	2.8	38.1	29.6	38.4	
Netherlands	1470	69.9	0.4	4.3	2.2	3.0	3.4	5.4	0.4	0.3	2.4	2.9	1.3	1.0	3.1	89.3	76.8	70.4	0.3	2.9	65.6	74.8	
New Zealand	1763	52.3	0.2	5.4	1.8	2.2	2.8	6.5	0.4	0.1	3.1	5.2	1.8	0.5	17.6	71.7	59.8	52.5	0.1	17.5	50.5	54.6	
Norway	2518	58.4	1.2	4.1	2.9	3.4	3.0	5.1	0.2	0.0	3.6	2.9	0.7	1.4	13.0	78.4	66.6	59.6	0.7	12.3	54.8	64.2	
Russian Federation	2289	34.5	1.7	6.3	1.8	2.1	5.7	3.4	0.5	0.4	3.5	3.4	2.0	0.7	34.0	56.3	44.2	36.1	2.0	32.0	33.4	40.6	
Slovenia	1622	45.5	0.1	4.8	0.6	3.8	2.1	5.3	2.5	0.9	4.1	4.4	1.8	1.4	22.6	65.7	51.1	45.6	0.6	22.0	39.2	53.3	
South Africa	2755	7.2	0.2	1.9	0.3	7.0	5.7	2.3	1.4	0.0	12.0	9.2	8.4	0.6	43.8	26.0	9.6	7.4	1.9	42.0	5.8	9.2	
Sweden	3058	67.9	1.7	3.6	1.9	3.5	2.2	4.1	0.5	0.1	2.5	2.4	0.6	0.4	8.7	85.5	75.1	69.6	0.4	8.3	66.9	72.3	
Switzerland	3308	63.9	1.7	4.3	1.8	1.9	2.8	3.9	0.0	0.2	2.7	2.8	1.3	0.8	12.0	80.5	71.7	65.6	0.8	11.2	64.6	66.5	
United States	5807	38.9	0.2	8.0	0.7	3.8	5.9	6.2	0.9	0.0	4.3	9.5	3.3	1.5	17.0	64.5	47.8	39.1	0.7	16.3	39.6	38.6	
INTERNATIONAL AVG	.	48.1	1.0	4.8	1.6	3.3	3.6	4.5	0.4	0.2	3.9	4.3	1.7	0.9	21.7	67.5	55.5	49.1	1.3	20.4	46.4	52.3	

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: B01 KEY: D  
 ENERGY CHANGES (Science Literacy)  
 Difficulty: 475

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	1844	6.0	9.9	14.2	67.5	2.5	67.5	0.1	0.2	2.2	60.6	77.0
Austria	1778	7.9	6.3	18.2	64.1	3.5	64.1	0.9	0.0	2.6	58.7	73.5
Canada	4832	5.6	15.2	14.2	63.5	1.5	63.5	0.0	0.0	1.5	55.8	72.7
Cyprus	473	5.4	1.7	13.5	77.5	1.9	77.5	0.0	0.0	1.9	73.7	81.9
Czech Republic	1899	3.4	11.8	10.9	69.7	4.3	69.7	0.1	0.0	4.2	60.4	78.3
Denmark	2604	5.7	8.1	13.4	66.0	6.9	66.0	0.3	0.1	6.5	60.2	73.3
France	1590	4.6	6.0	16.1	70.9	2.4	70.9	0.5	0.0	1.8	62.2	80.4
Germany	2182	5.4	5.2	10.2	72.2	7.0	72.2	3.4	0.1	3.6	61.4	81.0
Greece	.	.	.	.	.	.	.	.	.	.	.	.
Hungary	5091	12.2	14.0	11.6	55.9	6.3	55.9	0.0	0.0	6.3	44.1	66.5
Iceland	1703	3.3	3.9	15.0	75.8	1.9	75.8	0.1	0.0	1.9	69.8	83.0
Israel	1045	6.5	8.5	6.1	69.9	9.0	69.9	1.0	1.4	6.6	65.8	72.9
Italy	1578	6.6	8.2	7.2	72.8	5.3	72.8	0.6	0.1	4.6	65.8	80.9
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.
Lithuania	2887	6.6	7.5	4.5	76.7	4.8	76.7	0.1	0.0	4.7	72.3	84.8
Netherlands	1470	5.9	6.5	13.1	74.1	0.5	74.1	0.0	0.0	0.5	67.1	80.7
New Zealand	1763	7.4	9.8	11.1	71.2	0.4	71.2	0.1	0.0	0.4	66.1	76.4
Norway	2518	8.9	8.5	14.8	63.2	4.5	63.2	0.0	0.0	4.5	51.1	74.8
Russian Federation	2288	4.2	6.7	9.0	76.6	3.5	76.6	0.1	0.0	3.4	72.4	83.5
Slovenia	1387	6.5	11.5	17.7	59.0	5.3	59.0	0.3	0.0	5.0	45.3	73.4
South Africa	2754	14.2	13.2	32.7	36.8	3.1	36.8	0.2	0.1	2.8	30.5	42.7
Sweden	2812	9.3	10.7	17.8	60.9	1.4	60.9	0.0	0.0	1.3	48.7	73.1
Switzerland	2976	6.2	6.4	14.2	65.5	7.6	65.5	2.2	0.0	5.4	56.9	71.9
United States	5371	5.1	15.7	11.6	66.1	1.4	66.1	0.0	0.0	1.4	60.1	72.1
INTERNATIONAL AVG	.	6.7	8.9	13.5	67.1	3.9	67.1	0.5	0.1	3.3	59.5	75.2

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



Item: B02 KEY: C  
 FRUITS AND LEAFY VEGETABLES (Science Literacy)  
 Difficulty: 357

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	1844	4.5	4.2	83.6	6.6	1.0	83.6	0.0	0.2	0.7	87.0	78.9
Austria	1778	0.7	0.5	93.5	4.1	1.2	93.5	0.8	0.0	0.4	94.0	93.2
Canada	4832	6.8	3.1	81.8	8.2	0.1	81.8	0.0	0.0	0.0	82.6	80.9
Cyprus	473	6.3	30.8	47.4	14.2	1.4	47.4	0.2	0.1	1.0	50.8	45.1
Czech Republic	1899	1.0	1.2	97.2	0.2	0.3	97.2	0.2	0.0	0.1	97.5	96.9
Denmark	2604	1.1	5.7	85.5	5.4	2.3	85.5	1.2	0.1	1.1	87.4	83.0
France	1590	10.7	8.0	77.6	2.3	1.4	77.6	0.8	0.0	0.7	82.0	72.5
Germany	2182	0.9	0.1	91.5	1.8	5.7	91.5	4.3	0.1	1.3	91.6	91.9
Greece	.	.	.	.	.	.	.	.	.	.	.	.
Hungary	5091	1.4	0.6	95.5	1.9	0.7	95.5	0.0	0.0	0.7	96.0	95.1
Iceland	1703	5.7	1.6	84.7	7.1	0.8	84.7	0.4	0.0	0.4	85.7	83.9
Israel	1045	12.1	2.1	75.1	4.7	6.0	75.1	0.2	1.8	4.0	76.5	74.7
Italy	1577	10.1	6.0	79.5	2.4	2.0	79.5	0.8	0.1	1.1	81.8	76.8
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.
Lithuania	2885	1.3	1.3	81.4	15.0	1.0	81.4	0.1	0.0	0.9	80.1	83.7
Netherlands	1470	1.0	0.4	93.8	4.6	0.2	93.8	0.0	0.0	0.2	94.9	92.7
New Zealand	1763	3.9	4.9	83.5	7.3	0.4	83.5	0.1	0.0	0.3	87.9	78.9
Norway	2518	2.0	3.9	87.6	5.7	0.8	87.6	0.0	0.0	0.8	87.3	87.9
Russian Federation	2288	0.8	1.3	92.9	3.8	1.1	92.9	0.0	0.1	1.0	92.3	93.8
Slovenia	1387	0.5	0.2	96.7	1.7	0.9	96.7	0.3	0.0	0.6	97.2	96.3
South Africa	2755	6.7	12.1	60.6	19.1	1.5	60.6	0.1	0.1	1.4	62.3	58.7
Sweden	2815	0.9	2.9	88.3	7.5	0.4	88.3	0.1	0.0	0.3	89.0	87.6
Switzerland	2976	2.6	2.8	87.4	3.7	3.5	87.4	2.5	0.0	1.0	88.5	86.6
United States	5371	4.3	6.8	81.4	6.8	0.7	81.4	0.0	0.0	0.7	81.0	81.7
INTERNATIONAL AVG	.	3.9	4.6	83.9	6.1	1.5	83.9	0.5	0.1	0.8	85.2	82.8

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

Item: B03 KEY: E  
 WHITE BLOOD CELLS (Science Literacy)  
 Difficulty: 518

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	1844	15.8	3.7	6.4	1.1	71.8	1.2	71.8	0.1	0.2	0.9	73.3	69.8
Austria	1778	19.0	5.5	12.8	0.2	59.8	2.7	59.8	1.7	0.0	1.0	59.6	59.9
Canada	4832	14.7	4.1	6.5	0.8	73.6	0.4	73.6	0.1	0.0	0.3	73.9	73.6
Cyprus	473	24.2	13.5	15.2	1.1	42.1	3.9	42.1	0.2	0.1	3.6	36.1	49.3
Czech Republic	1899	20.9	10.6	10.6	0.2	55.9	1.8	55.9	0.0	0.0	1.7	50.3	61.2
Denmark	2604	24.0	3.4	15.3	0.2	52.6	4.5	52.6	1.4	0.1	3.1	53.5	51.2
France	1590	22.4	4.8	2.7	0.6	68.2	1.2	68.2	0.1	0.0	1.1	65.9	70.6
Germany	2182	22.3	5.3	13.6	0.3	51.9	6.6	51.9	3.8	0.1	2.7	54.0	50.0
Greece	.	.	.	.	.	.	.	.	.	.	.	.	.
Hungary	5091	16.6	17.9	8.7	4.0	48.7	4.2	48.7	0.0	0.0	4.2	44.7	51.7
Iceland	1703	13.9	3.7	6.0	0.4	75.4	0.5	75.4	0.2	0.0	0.3	76.2	75.0
Israel	1045	17.3	6.1	4.8	1.1	63.8	6.9	63.8	0.1	1.9	4.9	59.2	67.6
Italy	1578	12.3	8.5	6.6	1.2	68.3	3.0	68.3	0.5	0.1	2.4	68.4	68.1
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.	.
Lithuania	2887	21.9	5.3	11.4	1.4	53.7	6.2	53.7	0.2	0.0	6.1	54.1	52.9
Netherlands	1470	26.2	4.4	14.0	0.7	54.5	0.1	54.5	0.0	0.0	0.1	54.3	54.7
New Zealand	1763	15.3	5.2	8.5	0.3	69.8	0.9	69.8	0.1	0.0	0.7	68.9	70.7
Norway	2518	23.6	4.6	12.4	0.1	57.4	1.8	57.4	0.0	0.0	1.8	54.5	60.1
Russian Federation	2288	19.5	9.7	15.8	1.3	48.8	4.8	48.8	0.0	0.1	4.6	50.7	45.7
Slovenia	1387	31.2	4.3	14.3	0.8	45.4	3.9	45.4	0.3	0.0	3.6	51.5	40.1
South Africa	2755	29.3	13.3	19.1	2.1	34.5	1.8	34.5	0.0	0.1	1.6	30.1	39.1
Sweden	2815	19.1	2.4	7.3	0.8	69.9	0.5	69.9	0.1	0.0	0.3	70.9	68.8
Switzerland	2976	23.0	3.9	12.5	0.3	56.1	4.1	56.1	3.1	0.0	1.1	63.8	50.9
United States	5371	15.1	3.5	5.5	0.6	74.5	0.8	74.5	0.0	0.0	0.8	75.5	73.5
INTERNATIONAL AVG	.	20.4	6.5	10.5	0.9	59.0	2.8	59.0	0.6	0.1	2.1	58.6	59.3

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

Item: B04 KEY: C  
 ACID RAIN (Science Literacy)  
 Difficulty: 528

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	1844	10.6	26.4	56.0	6.0	1.0	56.0	0.0	0.2	0.8	50.8	63.1
Austria	1778	13.8	5.0	70.5	8.7	2.1	70.5	0.8	0.0	1.3	65.1	79.9
Canada	4832	17.4	20.0	55.5	6.5	0.6	55.5	0.1	0.0	0.4	49.9	61.8
Cyprus	473	9.5	31.2	56.8	1.0	1.6	56.8	0.4	0.1	1.0	56.9	56.8
Czech Republic	1899	18.5	13.6	62.1	3.6	2.1	62.1	0.1	0.0	2.0	55.9	68.0
Denmark	2604	7.2	14.8	68.0	6.3	3.7	68.0	1.0	0.1	2.6	61.2	76.2
France	.	.	.	.	.	.	.	.	.	.	.	.
Germany	2182	12.6	4.5	70.5	6.6	5.8	70.5	3.6	0.1	2.2	59.2	80.1
Greece	.	.	.	.	.	.	.	.	.	.	.	.
Hungary	5091	17.8	19.9	56.9	2.5	3.0	56.9	0.0	0.1	2.9	55.3	58.7
Iceland	1702	5.2	20.4	70.5	3.3	0.6	70.5	0.1	0.0	0.4	68.8	72.5
Israel	1045	13.9	30.0	44.2	4.3	7.7	44.2	0.1	1.9	5.6	43.4	45.8
Italy	1577	15.8	38.3	39.8	3.1	3.0	39.8	0.8	0.1	2.1	35.6	44.7
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.
Lithuania	2887	42.9	10.2	39.9	4.2	2.8	39.9	0.1	0.0	2.7	36.7	45.9
Netherlands	1470	21.3	6.7	64.9	6.8	0.3	64.9	0.0	0.0	0.3	55.3	73.9
New Zealand	1763	9.6	25.2	58.5	6.3	0.5	58.5	0.1	0.0	0.4	49.5	67.7
Norway	2517	12.3	15.2	65.5	5.0	2.0	65.5	0.0	0.0	2.0	57.6	73.1
Russian Federation	2288	29.4	26.9	38.1	2.9	2.7	38.1	0.3	0.1	2.3	34.0	44.8
Slovenia	1387	8.4	3.9	80.9	5.2	1.6	80.9	0.7	0.0	0.9	76.3	85.8
South Africa	2757	17.6	40.1	30.8	9.7	1.9	30.8	0.0	0.1	1.9	30.4	31.7
Sweden	2813	16.2	18.3	59.6	5.1	0.8	59.6	0.1	0.0	0.7	50.8	68.9
Switzerland	2976	9.3	17.2	63.7	6.9	2.9	63.7	2.0	0.0	0.9	55.9	69.6
United States	5371	13.9	34.1	42.1	8.8	1.1	42.1	0.0	0.0	1.1	34.6	49.5
INTERNATIONAL AVG	.	15.4	20.1	56.9	5.4	2.3	56.9	0.5	0.1	1.6	51.6	62.8

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

Item: B05 KEY: B  
 METAL WEIGHT AND BEAKER OF WATER (Science Literacy)  
 Difficulty: 497

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	1844	12.3	66.1	13.9	6.9	0.7	66.1	0.1	0.2	0.4	60.6	73.8
Austria	1778	8.6	64.9	19.0	6.6	0.8	64.9	0.0	0.0	0.8	57.9	75.9
Canada	4832	10.9	63.9	16.5	8.3	0.4	63.9	0.0	0.0	0.3	58.3	70.0
Cyprus	473	18.5	36.7	30.3	13.4	1.2	36.7	0.0	0.1	1.1	33.3	42.1
Czech Republic	1899	10.7	64.9	13.9	9.0	1.5	64.9	0.0	0.0	1.5	59.1	70.4
Denmark	2604	6.5	68.6	16.7	6.4	1.8	68.6	0.0	0.1	1.7	64.8	73.4
France	1590	7.3	62.9	19.9	9.0	0.9	62.9	0.0	0.0	0.9	56.9	69.2
Germany	2182	8.9	72.1	14.2	3.5	1.4	72.1	0.2	0.1	1.1	65.9	77.5
Greece	.	.	.	.	.	.	.	.	.	.	.	.
Hungary	5091	10.3	61.9	17.0	8.3	2.5	61.9	0.0	0.1	2.4	55.6	67.7
Iceland	1703	5.2	73.8	13.8	6.6	0.6	73.8	0.0	0.0	0.6	66.9	81.4
Israel	1045	12.8	48.4	23.0	9.1	6.7	48.4	0.0	2.0	4.7	44.3	54.6
Italy	1578	11.5	60.8	16.5	8.7	2.5	60.8	0.1	0.1	2.3	56.1	66.2
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.
Lithuania	2885	6.5	67.6	17.4	6.7	1.8	67.6	0.0	0.0	1.7	63.7	75.0
Netherlands	1470	8.4	65.8	21.1	4.4	0.4	65.8	0.0	0.0	0.4	58.1	73.0
New Zealand	1763	11.7	62.6	20.1	5.3	0.3	62.6	0.0	0.0	0.2	58.6	66.7
Norway	2518	7.4	71.7	14.0	5.0	1.8	71.7	0.0	0.0	1.8	64.9	78.2
Russian Federation	2289	9.7	56.9	23.6	7.9	1.9	56.9	0.0	0.1	1.8	52.8	63.7
Slovenia	1387	5.2	76.0	13.3	4.7	0.7	76.0	0.0	0.0	0.7	71.3	81.0
South Africa	2757	28.0	36.4	12.6	21.2	1.8	36.4	0.0	0.1	1.7	28.4	45.1
Sweden	2812	8.3	65.5	19.3	6.3	0.6	65.5	0.1	0.0	0.5	58.0	72.9
Switzerland	2976	5.6	73.9	15.8	4.2	0.6	73.9	0.0	0.0	0.5	66.2	79.9
United States	5371	13.9	57.6	16.9	10.9	0.8	57.6	0.0	0.0	0.7	51.6	63.5
INTERNATIONAL AVG	.	10.4	62.7	17.7	7.8	1.4	62.7	0.0	0.1	1.3	57.0	69.1

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

Item: B06 KEY: A  
 THE ARCHER (Science Literacy)  
 Difficulty: 663

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	1844	31.4	1.8	29.4	22.0	14.0	1.5	31.4	0.1	0.2	1.2	28.2	35.8
Austria	1779	18.7	5.4	31.3	24.9	13.7	6.0	18.7	0.3	0.0	5.7	11.4	30.6
Canada	4832	39.8	2.7	28.1	16.9	11.6	0.9	39.8	0.0	0.0	0.9	37.2	42.9
Cyprus	473	27.9	1.2	35.1	16.5	14.4	4.9	27.9	0.4	0.1	4.3	26.1	31.0
Czech Republic	1899	26.4	1.0	25.5	27.6	13.8	5.8	26.4	0.2	0.0	5.5	20.9	31.5
Denmark	2604	28.3	0.9	26.2	20.4	11.9	12.2	28.3	0.4	0.1	11.8	21.7	36.1
France	.	.	.	.	.	.	.	.	.	.	.	.	.
Germany	2182	17.2	5.7	28.0	25.8	12.1	11.3	17.2	0.6	0.1	10.6	13.4	20.6
Greece	.	.	.	.	.	.	.	.	.	.	.	.	.
Hungary	5090	29.2	1.4	31.9	21.9	9.9	5.7	29.2	0.0	0.1	5.6	29.2	29.4
Iceland	1703	33.2	0.9	32.8	19.7	9.4	4.0	33.2	0.0	0.0	4.0	29.7	37.1
Israel	1045	30.6	3.9	27.7	13.1	14.2	10.5	30.6	0.2	2.0	8.3	26.5	35.8
Italy	1578	34.3	1.6	32.6	16.5	9.1	5.9	34.3	0.4	0.1	5.4	30.6	38.7
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.	.
Lithuania	2886	31.2	1.3	21.5	22.5	13.9	9.6	31.2	0.1	0.0	9.5	30.6	32.4
Netherlands	1470	39.3	1.7	22.8	24.3	11.1	0.7	39.3	0.0	0.0	0.7	32.0	46.2
New Zealand	1763	33.9	2.8	26.0	23.1	13.5	0.7	33.9	0.2	0.0	0.5	31.1	36.8
Norway	2518	28.9	1.3	29.5	19.5	14.3	6.5	28.9	0.0	0.0	6.5	22.6	34.9
Russian Federation	2289	35.7	1.4	24.1	19.9	12.7	6.2	35.7	0.0	0.1	6.1	33.8	38.7
Slovenia	1387	33.3	2.1	22.9	25.5	10.6	5.6	33.3	0.0	0.0	5.6	27.3	40.0
South Africa	2753	22.5	4.6	28.4	20.4	19.5	4.7	22.5	0.1	0.1	4.5	19.3	26.2
Sweden	2812	41.3	1.0	32.9	17.3	4.8	2.8	41.3	0.1	0.0	2.7	33.3	49.2
Switzerland	.	.	.	.	.	.	.	.	.	.	.	.	.
United States	5371	32.7	2.2	29.5	20.0	13.7	1.9	32.7	0.0	0.0	1.9	31.5	33.9
INTERNATIONAL AVG	.	30.8	2.2	28.3	20.9	12.4	5.4	30.8	0.2	0.2	5.1	26.8	35.4

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

Item: B07 KEY: C  
 TRANSFER OF TRAITS (Science Literacy)  
 Difficulty: 281

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	1844	5.0	1.4	90.7	1.2	1.8	90.7	0.0	0.2	1.5	92.8	87.7
Austria	1779	4.1	0.9	94.4	0.2	0.4	94.4	0.1	0.0	0.3	94.6	94.5
Canada	4832	3.9	1.1	94.1	0.8	0.2	94.1	0.0	0.1	0.0	94.7	93.4
Cyprus	473	5.0	1.1	90.4	2.3	1.1	90.4	0.0	0.1	1.0	92.7	87.1
Czech Republic	1899	5.9	0.7	92.0	0.4	1.1	92.0	0.0	0.0	1.0	91.5	92.5
Denmark	2604	2.4	1.0	94.9	0.4	1.3	94.9	0.0	0.1	1.2	95.3	94.6
France	1590	3.0	0.5	96.1	0.1	0.3	96.1	0.0	0.0	0.3	95.7	96.4
Germany	2182	5.0	1.2	91.7	0.8	1.2	91.7	0.4	0.1	0.7	93.2	91.5
Greece	.	.	.	.	.	.	.	.	.	.	.	.
Hungary	5091	2.3	1.0	94.9	0.9	0.9	94.9	0.0	0.1	0.9	96.0	93.8
Iceland	1703	2.5	0.6	96.8	0.0	0.1	96.8	0.0	0.0	0.0	96.6	97.0
Israel	1045	5.6	1.7	86.5	1.0	5.3	86.5	0.0	2.2	3.1	87.1	86.2
Italy	1575	5.4	1.2	91.2	0.8	1.4	91.2	0.1	0.1	1.2	90.2	92.5
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.
Lithuania	2886	4.2	1.1	88.7	3.9	2.1	88.7	0.0	0.0	2.0	89.1	88.1
Netherlands	1470	5.9	1.9	91.5	0.6	0.2	91.5	0.0	0.0	0.2	93.8	89.2
New Zealand	1763	7.6	4.6	85.3	1.9	0.7	85.3	0.2	0.0	0.5	89.1	81.2
Norway	2518	1.9	0.9	95.9	0.5	0.7	95.9	0.0	0.0	0.7	96.5	95.4
Russian Federation	2289	2.7	3.4	87.9	4.5	1.5	87.9	0.1	0.1	1.3	88.7	86.8
Slovenia	1387	1.7	0.8	95.2	0.9	1.4	95.2	0.6	0.0	0.8	95.0	95.6
South Africa	2755	11.3	4.6	68.6	12.4	3.1	68.6	0.0	0.1	3.0	68.7	68.3
Sweden	2815	2.9	0.6	95.7	0.5	0.3	95.7	0.1	0.0	0.2	96.3	95.1
Switzerland	2976	6.8	2.6	89.1	0.3	1.2	89.1	0.0	0.0	1.1	89.6	88.8
United States	5371	4.2	1.0	92.7	1.5	0.6	92.7	0.0	0.0	0.6	94.0	91.5
INTERNATIONAL AVG	.	4.5	1.6	91.1	1.6	1.2	91.1	0.1	0.2	1.0	91.9	90.3

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

Item: B08 KEY: A  
 GROUPING OF PLANT AND ANIMAL SPECIES (Science Literacy)  
 Difficulty: 455

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	1844	78.5	9.4	2.7	8.4	1.0	78.5	0.0	0.2	0.8	78.3	78.9
Austria	1778	77.1	10.0	2.2	10.2	0.5	77.1	0.1	0.0	0.4	73.6	83.2
Canada	4832	80.8	10.0	3.0	5.9	0.3	80.8	0.0	0.1	0.1	81.4	80.4
Cyprus	473	60.5	23.8	1.9	11.9	1.9	60.5	0.0	0.1	1.8	62.8	58.2
Czech Republic	1898	50.0	24.2	1.7	22.8	1.3	50.0	0.1	0.0	1.2	42.1	57.4
Denmark	2604	48.2	12.9	2.5	33.1	3.3	48.2	0.3	0.1	2.9	44.1	53.7
France	1590	67.0	15.6	3.0	13.0	1.4	67.0	0.1	0.0	1.2	62.4	72.0
Germany	2182	60.1	23.4	2.2	12.2	2.2	60.1	0.7	0.1	1.4	56.5	63.7
Greece	.	.	.	.	.	.	.	.	.	.	.	.
Hungary	.	.	.	.	.	.	.	.	.	.	.	.
Iceland	1703	93.3	2.0	1.0	3.6	0.2	93.3	0.0	0.0	0.2	93.6	93.1
Israel	1042	51.8	14.1	10.8	16.0	7.2	51.8	0.0	2.2	5.0	54.4	51.6
Italy	1578	75.0	6.1	1.8	14.9	2.2	75.0	0.1	0.1	2.0	73.0	77.3
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.
Lithuania	2887	66.9	9.0	1.5	18.4	4.2	66.9	0.0	0.0	4.1	66.5	67.7
Netherlands	1470	51.8	22.4	3.7	21.9	0.2	51.8	0.0	0.0	0.2	47.6	55.8
New Zealand	1763	70.1	17.3	4.2	7.9	0.6	70.1	0.0	0.0	0.6	71.8	68.3
Norway	2518	80.5	5.5	0.5	12.7	0.9	80.5	0.0	0.0	0.9	78.2	82.6
Russian Federation	2289	56.4	17.1	2.9	20.7	3.0	56.4	0.0	0.2	2.8	55.5	57.7
Slovenia	1387	82.5	4.3	1.3	11.2	0.6	82.5	0.1	0.0	0.6	83.5	81.9
South Africa	2757	73.1	14.7	1.9	8.7	1.5	73.1	0.0	0.1	1.4	72.4	73.7
Sweden	2813	84.2	7.8	2.4	5.2	0.3	84.2	0.0	0.0	0.2	82.9	85.5
Switzerland	2976	61.8	20.9	4.0	10.3	2.9	61.8	0.2	0.0	2.8	55.7	65.9
United States	5371	72.5	15.4	5.3	5.8	0.9	72.5	0.0	0.0	0.9	70.5	74.6
INTERNATIONAL AVG	.	68.7	13.6	2.9	13.1	1.7	68.7	0.1	0.2	1.5	67.0	70.6

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

Item: B09 KEY: A  
 HOW BATTERY WORKS WITH LIGHT BULB (Science Literacy)  
 Difficulty: 664

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	1844	33.8	20.0	25.8	19.6	0.9	33.8	0.0	0.2	0.6	31.3	37.2
Austria	1778	27.6	18.5	28.1	24.7	1.1	27.6	0.1	0.0	1.0	21.7	37.5
Canada	4832	35.6	20.0	24.9	19.0	0.5	35.6	0.1	0.1	0.3	30.4	42.0
Cyprus	473	24.4	24.6	17.0	32.2	1.7	24.4	0.0	0.1	1.6	17.5	31.5
Czech Republic	1898	18.1	50.6	16.1	13.6	1.6	18.1	0.0	0.0	1.5	12.0	23.8
Denmark	2604	32.5	15.0	38.5	11.8	2.3	32.5	0.1	0.1	2.1	29.9	34.6
France	1590	55.9	14.9	20.8	7.9	0.6	55.9	0.2	0.0	0.4	50.8	61.6
Germany	2182	38.5	13.0	30.2	16.1	2.2	38.5	0.3	0.2	1.8	31.8	44.1
Greece	.	.	.	.	.	.	.	.	.	.	.	.
Hungary	5091	19.4	29.1	17.9	30.8	2.8	19.4	0.0	0.1	2.7	14.6	23.7
Iceland	1703	25.2	33.7	24.1	16.1	1.0	25.2	0.0	0.0	1.0	19.7	31.6
Israel	1042	42.3	21.3	14.6	15.4	6.4	42.3	0.0	2.5	3.9	38.3	47.3
Italy	1578	27.9	30.2	19.7	18.2	3.9	27.9	0.2	0.1	3.7	20.8	36.4
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.
Lithuania	2884	23.9	37.3	20.3	14.9	3.6	23.9	0.0	0.2	3.4	25.1	21.6
Netherlands	1470	36.8	14.3	32.4	16.2	0.2	36.8	0.0	0.0	0.2	29.2	44.1
New Zealand	1763	32.7	20.1	36.2	10.7	0.3	32.7	0.0	0.0	0.3	27.2	38.4
Norway	2518	35.4	20.5	20.0	23.1	1.0	35.4	0.0	0.0	1.0	25.2	45.2
Russian Federation	2289	24.6	32.1	23.3	16.7	3.3	24.6	0.2	0.2	2.9	23.3	26.6
Slovenia	1387	31.1	27.1	28.5	11.8	1.5	31.1	0.0	0.0	1.5	25.5	37.5
South Africa	2756	17.8	38.4	15.5	27.0	1.3	17.8	0.0	0.1	1.2	12.5	23.2
Sweden	2813	45.8	16.6	21.8	15.3	0.6	45.8	0.0	0.0	0.5	38.5	53.0
Switzerland	2976	38.6	17.4	25.3	17.4	1.2	38.6	0.1	0.0	1.2	32.9	43.5
United States	5371	27.6	23.1	25.0	23.5	0.8	27.6	0.0	0.0	0.8	21.9	33.3
INTERNATIONAL AVG	.	31.6	24.4	23.9	18.3	1.8	31.6	0.1	0.2	1.5	26.4	37.2

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



Item: B10 KEY: D  
 GREENHOUSE EFFECT (Science Literacy)  
 Difficulty: 560

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	1844	6.5	23.3	23.1	45.3	1.8	45.3	0.0	0.2	1.5	36.8	57.1
Austria	1777	5.1	19.9	21.8	50.1	3.1	50.1	0.3	0.0	2.8	44.9	59.0
Canada	4832	5.8	24.0	20.4	48.6	1.2	48.6	0.0	0.1	1.1	43.8	53.7
Cyprus	473	9.7	16.5	16.6	53.3	3.9	53.3	0.0	0.1	3.7	49.7	58.2
Czech Republic	1899	7.2	23.5	22.2	43.2	3.9	43.2	0.1	0.0	3.8	32.4	53.2
Denmark	2604	6.3	10.5	14.4	63.8	5.0	63.8	0.1	0.1	4.7	57.3	71.3
France	1590	10.3	22.0	18.7	43.2	5.9	43.2	0.0	0.0	5.9	32.7	54.6
Germany	2182	5.0	23.5	19.7	46.2	5.7	46.2	1.4	0.2	4.1	37.0	54.2
Greece	.	.	.	.	.	.	.	.	.	.	.	.
Hungary	5091	8.7	17.8	19.2	49.0	5.3	49.0	0.0	0.1	5.2	48.2	49.9
Iceland	1703	4.3	17.9	11.2	64.8	1.8	64.8	0.0	0.0	1.8	56.7	73.8
Israel	1045	6.7	14.4	15.9	51.6	11.5	51.6	0.0	2.5	9.0	49.1	56.2
Italy	1578	6.9	16.4	11.2	61.2	4.4	61.2	0.2	0.1	4.0	56.1	67.3
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.
Lithuania	2886	7.2	17.3	14.0	55.8	5.7	55.8	0.0	0.2	5.5	50.1	66.4
Netherlands	1470	3.6	16.3	20.9	58.8	0.3	58.8	0.0	0.0	0.3	48.0	69.1
New Zealand	1763	8.9	24.1	21.5	44.3	1.2	44.3	0.0	0.0	1.2	37.4	51.6
Norway	2518	4.3	9.7	10.1	74.0	1.8	74.0	0.0	0.0	1.8	67.9	79.9
Russian Federation	2289	5.3	13.9	13.2	62.9	4.7	62.9	0.3	0.2	4.3	59.4	68.6
Slovenia	1387	10.3	22.3	18.6	44.8	4.0	44.8	0.2	0.0	3.8	36.4	54.4
South Africa	2754	16.9	37.1	21.2	21.8	3.1	21.8	0.0	0.1	3.0	22.3	21.7
Sweden	2813	5.4	12.9	17.1	63.5	1.1	63.5	0.1	0.0	1.0	57.8	69.0
Switzerland	2976	5.4	19.0	19.3	51.7	4.5	51.7	0.3	0.0	4.2	49.5	53.1
United States	5371	5.9	30.6	28.4	33.3	1.7	33.3	0.0	0.0	1.7	29.6	37.1
INTERNATIONAL AVG	.	7.1	19.7	18.1	51.4	3.7	51.4	0.1	0.2	3.4	45.6	58.2

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

Item: B11 KEY: B  
 TOTAL SOLAR ECLIPSE (Science Literacy)  
 Difficulty: 546

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	1844	3.4	61.9	2.1	31.3	1.3	61.9	0.1	0.2	0.9	52.0	75.7
Austria	1777	6.2	46.8	0.9	45.1	0.9	46.8	0.2	0.0	0.7	34.3	66.5
Canada	4832	4.0	67.3	1.5	27.0	0.3	67.3	0.0	0.1	0.1	61.8	73.7
Cyprus	473	6.3	40.9	3.9	47.2	1.8	40.9	0.0	0.1	1.6	30.3	52.4
Czech Republic	1898	10.5	33.5	3.3	50.8	1.9	33.5	0.0	0.0	1.9	19.1	46.9
Denmark	2604	6.8	53.7	1.1	36.6	1.8	53.7	0.4	0.1	1.3	46.2	62.4
France	1590	5.7	53.6	1.7	37.6	1.5	53.6	0.2	0.0	1.3	43.7	65.1
Germany	2182	6.1	54.2	1.3	36.6	1.7	54.2	0.9	0.2	0.6	38.7	67.4
Greece	.	.	.	.	.	.	.	.	.	.	.	.
Hungary	5090	4.7	38.9	1.3	53.0	2.1	38.9	0.0	0.1	2.0	28.4	48.6
Iceland	1703	4.2	61.8	0.2	33.3	0.5	61.8	0.1	0.0	0.4	48.4	76.7
Israel	1045	3.2	48.4	2.0	38.9	7.5	48.4	0.1	2.7	4.7	35.1	62.7
Italy	1577	5.2	52.6	1.7	38.4	2.1	52.6	0.3	0.1	1.7	44.7	61.8
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.
Lithuania	2885	9.1	58.6	1.3	28.7	2.4	58.6	0.0	0.2	2.1	52.5	70.2
Netherlands	1470	3.0	54.8	1.5	40.3	0.4	54.8	0.0	0.0	0.4	39.8	69.0
New Zealand	1763	4.0	65.2	2.6	27.8	0.3	65.2	0.0	0.0	0.3	54.3	76.6
Norway	2518	2.8	66.8	1.4	28.0	1.0	66.8	0.0	0.0	1.0	52.4	80.7
Russian Federation	2289	5.4	52.0	1.1	39.9	1.6	52.0	0.1	0.2	1.3	43.7	65.5
Slovenia	1387	5.4	49.2	0.6	42.0	2.8	49.2	0.3	0.0	2.5	36.8	62.4
South Africa	2755	12.1	23.7	6.6	56.0	1.6	23.7	0.0	0.1	1.5	18.9	29.3
Sweden	2815	6.8	62.1	0.5	29.8	0.7	62.1	0.2	0.0	0.5	50.9	73.5
Switzerland	2976	1.8	63.7	0.7	31.7	2.1	63.7	1.0	0.0	1.1	47.1	76.4
United States	5371	4.2	62.6	3.4	28.9	0.9	62.6	0.1	0.1	0.7	51.7	73.3
INTERNATIONAL AVG	.	5.5	53.3	1.9	37.7	1.7	53.3	0.2	0.2	1.3	42.3	65.3

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

Item: B12  
 HALF-LIFE OF A RADIOACTIVE SUBSTANCE (Science Literacy)  
 Difficulty: 651

COUNTRY	N	10	11	12	13	19	70	71	72	73	79	90	99	V1	NOT	1.GIRL	2.BOY	
															REACH ED			OMIT % Right
Australia	1844	16.0	2.9	2.2	1.4	19.1	15.2	12.6	0.6	1.4	5.0	0.5	23.1	41.5	0.2	22.9	37.4	47.2
Austria	1778	16.6	7.1	3.9	1.1	14.8	21.7	9.1	0.2	2.9	6.0	2.2	14.4	43.5	0.1	14.4	38.8	52.1
Canada	4832	15.4	4.6	2.0	0.3	11.7	15.3	22.5	1.5	1.1	6.8	2.0	17.0	33.9	0.1	16.8	30.4	38.3
Cyprus	472	3.8	14.2	0.0	0.0	3.3	11.7	16.6	2.2	1.5	2.7	0.2	43.8	21.3	0.1	43.6	20.8	21.7
Czech Republic	1897	4.1	2.7	1.7	0.2	12.0	13.9	21.7	2.5	3.8	6.8	1.0	29.6	20.7	0.0	29.6	19.2	22.0
Denmark	2604	27.2	6.5	7.1	2.9	2.3	14.0	4.5	0.2	2.4	2.3	0.3	30.3	45.9	0.1	30.2	35.8	58.0
France	1590	6.5	6.1	2.6	1.1	16.2	13.7	15.5	1.2	1.1	2.5	1.5	32.1	32.4	0.0	32.1	31.6	33.4
Germany	2181	16.7	7.7	2.0	0.6	5.8	13.1	9.9	0.4	1.6	4.1	4.3	33.9	32.9	0.2	33.7	31.1	34.5
Greece	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Hungary	5091	7.4	16.9	2.4	0.1	2.0	17.4	4.5	0.5	1.7	7.4	0.8	38.9	28.8	0.1	38.8	25.0	32.4
Iceland	1703	25.5	5.7	4.0	1.4	3.0	26.3	8.6	0.2	1.4	2.2	3.8	17.9	39.6	0.0	17.9	30.4	50.4
Israel	1041	1.3	3.0	0.2	0.0	13.7	7.2	24.9	3.2	3.3	1.7	1.1	40.4	18.3	2.8	37.7	17.4	19.8
Italy	1578	9.2	3.4	1.7	0.3	8.4	10.1	10.5	1.6	2.2	2.9	1.1	48.8	22.8	0.1	48.7	17.6	29.0
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Lithuania	2887	6.1	4.5	0.7	0.1	11.0	17.0	12.9	1.9	6.1	3.8	0.7	35.2	22.3	0.2	35.0	17.3	31.5
Netherlands	1470	25.6	7.3	3.5	0.6	13.9	12.8	13.3	1.9	2.0	4.6	7.0	7.7	50.8	0.0	7.7	40.4	60.6
New Zealand	1763	12.4	6.9	3.3	2.0	8.7	25.8	13.8	1.3	1.0	2.7	0.4	21.7	33.3	0.0	21.7	29.5	37.4
Norway	2518	32.4	5.7	3.0	0.6	4.7	17.1	9.0	0.7	2.4	3.5	4.0	16.9	46.4	0.0	16.9	37.9	54.5
Russian Federation	2289	11.1	4.6	4.1	0.1	13.3	11.9	12.2	1.7	3.5	2.4	1.7	33.3	33.2	0.2	33.2	29.1	39.8
Slovenia	1387	3.6	15.8	0.4	0.0	19.2	14.1	4.5	0.7	3.7	4.8	3.8	29.4	39.0	0.0	29.4	34.1	44.1
South Africa	2757	0.8	2.6	0.5	0.0	3.2	11.5	12.5	1.3	2.1	15.3	0.7	49.6	7.0	0.2	49.4	6.2	8.2
Sweden	2811	27.8	9.7	4.8	1.1	7.2	26.8	3.8	0.8	1.9	4.1	0.8	11.1	50.6	0.0	11.0	44.5	56.6
Switzerland	2976	15.2	6.8	2.4	1.7	14.9	13.3	12.5	1.3	2.3	4.6	4.9	20.1	41.0	0.0	20.0	37.0	43.5
United States	5371	9.7	4.5	1.5	0.2	7.0	18.4	19.8	1.5	1.5	10.8	3.3	21.8	23.0	0.1	21.7	20.7	25.2
INTERNATIONAL AVG	.	13.4	6.8	2.4	0.7	9.8	15.8	12.5	1.2	2.3	4.9	2.1	28.0	33.1	0.2	27.8	28.7	38.2

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: B13  
 THIRSTY ON A HOT DAY (Science Literacy)  
 Difficulty: 376

COUNTRY	N	10	11	12	13	19	70	71	72	76	79	90	99	V1	NOT	1.GIRL	2.BOY		
															REACH ED			OMIT % Right	% Right
Australia	1844	26.3	45.5	4.4	10.0	2.6	0.9	0.5	0.9	0.6	2.4	0.0	5.9	88.7	0.2	5.6	91.8	84.5	
Austria	1778	11.4	40.2	3.5	32.6	0.1	0.3	3.1	2.1	0.0	3.3	0.3	2.9	87.9	0.1	2.8	89.3	86.6	
Canada	4832	23.7	48.6	2.3	7.4	4.6	1.1	5.2	0.8	0.3	3.7	0.4	2.1	86.5	0.1	1.9	88.6	84.4	
Cyprus	472	13.8	36.5	0.3	18.5	2.6	1.5	1.5	1.7	3.4	4.0	0.0	16.3	71.7	0.1	16.2	73.5	68.6	
Czech Republic	1894	6.9	42.5	1.1	27.8	3.6	0.8	7.0	1.3	0.8	4.1	0.3	3.7	82.0	0.0	3.7	79.8	84.0	
Denmark	2604	10.4	46.3	2.8	16.5	2.7	0.6	2.3	1.5	0.3	11.1	0.2	5.2	78.8	0.1	5.1	79.5	77.4	
France	1590	12.3	33.4	1.2	16.8	1.0	1.6	22.3	0.4	0.4	3.4	0.2	7.0	64.8	0.0	7.0	63.0	66.7	
Germany	2181	16.5	48.9	4.3	15.9	0.4	0.8	2.9	0.5	1.0	2.1	0.4	6.2	86.0	0.3	5.9	87.9	85.4	
Greece	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Hungary	5091	17.8	54.9	1.4	8.5	0.5	0.8	5.0	0.7	0.1	3.3	0.1	6.9	83.1	0.1	6.8	83.4	82.9	
Iceland	1703	25.1	56.8	2.3	9.6	1.3	0.7	0.4	1.0	0.1	1.5	0.0	1.1	95.1	0.0	1.1	95.5	95.2	
Israel	1041	21.4	38.5	1.9	10.6	1.0	0.7	3.3	1.5	0.3	0.9	0.5	19.5	73.4	2.9	16.6	72.2	76.3	
Italy	1578	9.5	50.1	0.9	15.7	2.7	1.4	1.4	1.9	2.0	4.9	0.1	9.4	78.8	0.2	9.3	78.3	79.3	
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Lithuania	2887	6.8	39.7	2.7	28.3	1.7	1.0	1.3	1.5	0.6	3.2	0.3	12.8	79.2	0.3	12.6	78.0	81.5	
Netherlands	1470	14.2	58.7	1.5	15.5	1.3	0.6	2.9	0.7	0.3	3.4	0.2	0.8	91.2	0.0	0.8	90.0	92.3	
New Zealand	1763	21.0	38.0	3.4	14.7	2.5	3.2	7.6	0.7	0.1	2.5	0.1	6.4	79.5	0.0	6.4	81.3	77.6	
Norway	2518	21.9	57.1	3.3	10.0	0.7	0.5	1.5	0.3	0.5	1.5	0.4	2.3	93.0	0.0	2.3	93.8	92.3	
Russian Federation	2289	7.5	35.8	1.6	28.0	2.5	2.4	1.6	0.4	0.8	4.0	2.4	13.1	75.3	0.2	12.9	72.7	79.7	
Slovenia	1387	0.8	1.0	0.0	87.3	0.7	0.1	0.3	0.4	1.5	2.9	0.2	4.7	89.8	0.0	4.7	88.0	91.7	
South Africa	2757	8.6	24.5	1.8	16.4	1.3	6.7	7.1	2.2	5.4	10.1	0.4	15.5	52.6	0.2	15.3	45.7	59.6	
Sweden	2812	22.5	55.9	2.4	11.4	1.0	0.3	1.7	0.8	0.3	2.3	0.1	1.2	93.2	0.0	1.1	93.8	92.6	
Switzerland	2976	19.0	51.7	2.7	11.9	2.6	0.3	4.5	0.4	0.8	2.9	0.0	3.2	87.9	0.0	3.2	88.9	87.1	
United States	5371	14.8	32.7	4.1	22.7	0.4	2.0	8.7	2.1	0.4	7.5	0.4	4.3	74.7	0.1	4.2	73.5	75.8	
INTERNATIONAL AVG	.	15.1	42.6	2.3	19.8	1.7	1.3	4.2	1.1	0.9	3.9	0.3	6.8	81.5	0.2	6.6	81.3	81.9	

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: B14 KEY: D  
 SCALE OF A MAP (Mathematics Literacy)  
 Difficulty: 446

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	1844	1.4	17.3	1.8	78.3	1.2	78.3	0.0	0.2	0.9	75.9	81.7
Austria	1779	2.7	19.8	2.2	74.2	1.1	74.2	0.1	0.1	0.9	68.9	82.5
Canada	4832	1.6	19.4	1.8	76.6	0.6	76.6	0.0	0.1	0.4	71.8	81.6
Cyprus	473	5.2	18.4	2.4	71.3	2.7	71.3	0.0	0.1	2.6	70.6	72.8
Czech Republic	1898	3.3	30.8	4.0	58.9	3.0	58.9	0.0	0.0	2.9	48.6	68.5
Denmark	2604	0.9	14.7	0.6	82.8	1.1	82.8	0.1	0.1	0.9	78.6	87.7
France	1590	4.9	16.3	6.2	71.0	1.7	71.0	0.3	0.0	1.3	66.5	76.6
Germany	2181	2.2	17.8	2.2	75.1	2.7	75.1	0.3	0.3	2.1	72.1	78.2
Greece	.	.	.	.	.	.	.	.	.	.	.	.
Hungary	5091	1.8	15.9	2.3	77.2	2.8	77.2	0.0	0.1	2.7	72.7	81.2
Iceland	1702	2.7	19.3	2.6	74.4	1.0	74.4	0.0	0.0	1.0	70.3	78.5
Israel	1032	3.6	24.4	4.4	60.9	6.7	60.9	0.1	2.9	3.7	54.6	68.6
Italy	1578	3.5	15.0	4.1	75.1	2.3	75.1	0.1	0.2	2.1	68.8	82.4
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.
Lithuania	2886	2.4	20.9	1.8	70.7	4.2	70.7	0.1	0.3	3.8	69.9	72.2
Netherlands	1470	1.9	19.4	0.7	77.6	0.4	77.6	0.0	0.0	0.4	72.8	82.0
New Zealand	1763	1.7	21.9	2.6	73.3	0.5	73.3	0.1	0.0	0.3	67.1	79.7
Norway	2517	1.5	14.1	1.1	82.0	1.3	82.0	0.0	0.0	1.3	76.8	87.0
Russian Federation	2289	2.0	21.5	1.7	71.8	3.0	71.8	0.3	0.2	2.5	70.0	74.7
Slovenia	1387	2.3	19.9	4.4	71.6	1.8	71.6	0.0	0.0	1.7	67.0	76.4
South Africa	2754	14.2	29.4	6.8	46.3	3.2	46.3	0.0	0.2	2.9	44.4	48.3
Sweden	2813	1.5	16.8	2.3	78.8	0.6	78.8	0.0	0.0	0.6	73.5	84.1
Switzerland	2976	6.3	13.2	5.2	74.6	0.7	74.6	0.0	0.0	0.7	65.5	81.6
United States	5371	3.8	26.2	6.0	62.1	1.9	62.1	0.0	0.1	1.8	59.1	65.0
INTERNATIONAL AVG	.	3.2	19.7	3.1	72.0	2.0	72.0	0.1	0.2	1.7	67.5	76.9

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

Item: B15 KEY: C  
 AMOUNT OF PURIFIED WATER (Mathematics Literacy)  
 Difficulty: 510

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	1844	6.1	15.8	61.6	14.9	1.7	61.6	0.0	0.2	1.4	57.7	67.1
Austria	1779	3.6	13.3	59.0	20.0	4.1	59.0	0.1	0.1	3.9	51.4	71.4
Canada	4832	5.9	15.1	60.4	16.7	1.9	60.4	0.1	0.1	1.7	59.4	62.0
Cyprus	473	7.0	21.6	48.5	14.4	8.5	48.5	0.2	0.4	8.0	42.7	55.7
Czech Republic	1898	6.3	21.4	48.5	16.0	7.7	48.5	0.4	0.0	7.3	37.8	58.6
Denmark	2604	3.3	7.7	69.3	15.8	4.0	69.3	0.1	0.1	3.8	62.3	77.5
France	1590	3.4	12.4	63.1	15.5	5.6	63.1	0.0	0.0	5.5	55.6	71.7
Germany	2182	3.0	12.3	62.3	16.2	6.2	62.3	0.2	0.3	5.7	56.7	67.4
Greece	.	.	.	.	.	.	.	.	.	.	.	.
Hungary	5091	4.5	15.2	58.6	11.4	10.3	58.6	0.0	0.1	10.2	56.4	60.2
Iceland	1703	4.1	11.9	67.8	13.0	3.2	67.8	0.0	0.0	3.2	61.5	75.0
Israel	1032	7.7	26.0	40.1	14.6	11.6	40.1	0.0	3.2	8.4	39.6	41.8
Italy	1578	5.0	15.7	53.6	14.9	10.8	53.6	0.0	0.2	10.5	48.2	59.9
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.
Lithuania	2887	3.3	10.9	62.0	13.6	10.2	62.0	0.0	0.4	9.8	59.0	67.7
Netherlands	1470	4.8	10.5	72.4	11.9	0.4	72.4	0.0	0.0	0.4	62.6	81.5
New Zealand	1763	7.2	18.0	58.8	14.8	1.3	58.8	0.5	0.0	0.8	53.1	64.7
Norway	2518	3.6	16.2	60.7	14.6	4.8	60.7	0.0	0.0	4.8	52.1	69.0
Russian Federation	2289	5.4	14.9	61.3	11.8	6.6	61.3	0.1	0.2	6.3	58.3	66.3
Slovenia	1387	2.4	10.1	71.1	11.6	4.8	71.1	0.1	0.0	4.7	66.8	76.6
South Africa	2756	11.0	34.6	30.5	18.6	5.3	30.5	0.0	0.2	5.0	30.0	31.8
Sweden	2812	4.2	15.9	68.9	9.4	1.6	68.9	0.0	0.0	1.5	62.7	75.1
Switzerland	2976	2.8	7.2	73.9	13.3	2.7	73.9	0.0	0.0	2.7	67.2	78.9
United States	5371	12.7	25.0	42.0	17.6	2.7	42.0	0.0	0.1	2.6	39.3	44.6
INTERNATIONAL AVG	.	5.3	16.0	58.8	14.6	5.3	58.8	0.1	0.3	4.9	53.7	64.7

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

Item: B16 KEY: A  
 BOYS AND GIRLS IN CLASS (Mathematics Literacy)  
 Difficulty: 402

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	1844	81.8	2.6	6.8	8.0	0.7	81.8	0.0	0.2	0.5	80.9	83.1
Austria	1779	87.3	1.7	3.5	6.7	0.8	87.3	0.1	0.1	0.6	86.4	88.8
Canada	4832	81.6	3.4	6.9	7.8	0.4	81.6	0.0	0.1	0.2	79.5	83.8
Cyprus	473	73.6	10.7	3.9	9.7	2.1	73.6	0.0	0.5	1.7	74.3	72.6
Czech Republic	1898	70.6	6.3	8.6	12.5	2.1	70.6	0.0	0.0	2.0	65.7	75.1
Denmark	2604	84.0	2.4	7.0	5.3	1.3	84.0	0.1	0.1	1.0	80.4	88.5
France	1590	82.3	3.3	3.8	10.1	0.6	82.3	0.0	0.1	0.5	80.2	85.3
Germany	2182	78.6	3.0	9.6	6.5	2.4	78.6	0.1	0.3	1.9	75.0	82.1
Greece	.	.	.	.	.	.	.	.	.	.	.	.
Hungary	5091	73.6	6.3	8.4	9.8	1.9	73.6	0.0	0.3	1.7	75.5	71.7
Iceland	1703	87.4	1.1	5.7	5.7	0.2	87.4	0.0	0.0	0.2	85.5	89.7
Israel	1044	76.8	4.3	6.4	6.1	6.3	76.8	0.0	3.3	3.1	76.3	77.6
Italy	1578	79.9	6.3	5.0	7.5	1.3	79.9	0.0	0.2	1.1	79.3	80.6
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.
Lithuania	2885	76.8	2.7	6.1	11.5	3.0	76.8	0.1	0.5	2.4	75.6	79.0
Netherlands	1470	90.8	1.2	3.9	3.7	0.3	90.8	0.0	0.0	0.3	89.3	92.3
New Zealand	1762	84.2	2.6	5.0	7.7	0.5	84.2	0.0	0.0	0.5	84.6	83.8
Norway	2518	86.8	0.9	7.9	3.4	1.0	86.8	0.0	0.0	1.0	84.6	88.8
Russian Federation	2289	74.1	3.3	9.6	11.5	1.4	74.1	0.0	0.2	1.2	71.6	78.2
Slovenia	1387	82.9	4.5	6.0	5.8	0.7	82.9	0.1	0.1	0.6	82.0	84.4
South Africa	2756	55.4	11.1	7.4	24.7	1.4	55.4	0.0	0.3	1.1	52.1	58.6
Sweden	2814	82.6	3.1	5.8	7.8	0.6	82.6	0.0	0.0	0.6	80.5	84.7
Switzerland	2976	87.6	1.7	3.7	6.1	0.9	87.6	0.0	0.0	0.9	86.0	89.3
United States	5371	70.7	4.3	8.6	15.2	1.1	70.7	0.1	0.1	0.9	64.6	76.7
INTERNATIONAL AVG	.	79.5	3.9	6.4	8.8	1.4	79.5	0.0	0.3	1.1	77.7	81.6

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

Item: B17 KEY: D  
 PROPORTIONALITY OF CEREAL BOXES (Mathematics Literacy)  
 Difficulty: 559

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	1844	34.7	12.3	4.8	47.2	1.0	47.2	0.0	0.2	0.7	39.7	57.7
Austria	1779	33.9	9.2	4.1	50.9	1.9	50.9	0.2	0.1	1.6	42.5	64.8
Canada	4832	41.2	7.3	3.7	47.4	0.4	47.4	0.0	0.1	0.3	41.7	54.1
Cyprus	473	50.3	8.2	4.5	35.2	1.8	35.2	0.0	0.5	1.3	29.3	42.9
Czech Republic	1897	45.2	12.8	1.9	37.7	2.4	37.7	0.2	0.0	2.2	26.8	47.9
Denmark	2604	19.3	10.6	3.1	65.1	1.9	65.1	0.0	0.2	1.8	55.4	76.6
France	1590	31.2	8.5	2.6	56.8	0.8	56.8	0.0	0.1	0.8	46.3	68.9
Germany	2182	29.4	13.3	3.9	51.0	2.5	51.0	0.0	0.3	2.1	44.4	56.6
Greece	.	.	.	.	.	.	.	.	.	.	.	.
Hungary	5091	31.5	11.8	4.3	50.4	2.0	50.4	0.0	0.3	1.7	48.5	52.0
Iceland	1703	25.9	10.9	4.0	57.6	1.6	57.6	0.1	0.0	1.5	47.0	69.4
Israel	1044	39.4	14.8	5.7	33.2	6.9	33.2	0.1	3.3	3.5	26.8	39.5
Italy	1578	41.0	9.5	3.0	44.7	1.7	44.7	0.0	0.2	1.5	37.8	52.8
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.
Lithuania	2887	34.8	7.0	3.0	51.5	3.7	51.5	0.0	0.5	3.2	46.5	60.8
Netherlands	1470	22.5	11.1	2.9	63.2	0.3	63.2	0.0	0.0	0.3	50.6	75.1
New Zealand	1762	34.5	16.8	3.1	44.5	1.0	44.5	0.3	0.0	0.7	38.7	50.5
Norway	2518	31.2	12.6	5.6	48.9	1.7	48.9	0.0	0.0	1.7	38.1	59.2
Russian Federation	2289	32.7	8.1	3.1	53.8	2.4	53.8	0.0	0.2	2.1	49.5	60.8
Slovenia	1387	21.9	9.0	2.7	65.0	1.4	65.0	0.1	0.1	1.2	59.0	72.1
South Africa	2755	67.6	11.0	7.5	12.2	1.8	12.2	0.0	0.4	1.4	10.4	14.3
Sweden	2813	25.0	11.2	4.5	58.3	0.9	58.3	0.0	0.0	0.9	50.5	66.1
Switzerland	2976	19.2	8.7	2.1	69.0	1.0	69.0	0.0	0.2	0.8	60.6	75.3
United States	5371	60.5	10.0	3.6	24.6	1.3	24.6	0.0	0.1	1.2	21.5	27.8
INTERNATIONAL AVG	.	35.1	10.7	3.8	48.6	1.8	48.6	0.0	0.3	1.5	41.4	56.6

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



Item: B18 KEY: B  
 INCREASE IN HOUSE PAINTER'S CHARGE (Mathematics Literacy)  
 Difficulty: 609

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	1844	33.5	46.6	17.3	1.6	1.0	46.6	0.0	0.3	0.7	41.2	54.1
Austria	1779	51.2	27.2	15.0	3.3	3.3	27.2	0.0	0.1	3.2	22.8	34.8
Canada	4832	37.0	45.3	14.5	2.7	0.5	45.3	0.0	0.2	0.3	43.0	48.0
Cyprus	473	32.7	43.8	17.1	3.8	2.6	43.8	0.0	0.5	2.1	42.4	46.4
Czech Republic	1899	48.3	28.0	17.8	3.0	2.9	28.0	0.0	0.1	2.8	26.1	29.9
Denmark	2604	27.0	60.2	9.0	0.5	3.3	60.2	0.0	0.2	3.2	53.7	67.7
France	1590	39.5	35.4	19.6	3.6	2.0	35.4	0.0	0.2	1.8	30.5	41.3
Germany	2182	51.1	21.1	17.2	3.5	7.1	21.1	0.1	0.3	6.7	19.1	22.8
Greece	.	.	.	.	.	.	.	.	.	.	.	.
Hungary	5091	38.9	31.4	15.1	4.7	10.0	31.4	0.0	0.3	9.6	30.9	31.4
Iceland	1703	31.4	50.2	14.2	1.6	2.6	50.2	0.0	0.0	2.6	46.8	54.2
Israel	1045	21.1	49.3	20.6	2.2	6.8	49.3	0.1	3.3	3.3	49.6	49.7
Italy	1578	44.6	30.9	14.3	4.6	5.5	30.9	0.3	0.3	5.0	28.5	33.8
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.
Lithuania	2887	20.3	48.3	22.4	2.3	6.7	48.3	0.0	0.5	6.2	47.3	50.1
Netherlands	1470	35.2	48.0	14.3	2.0	0.5	48.0	0.0	0.0	0.5	41.6	54.1
New Zealand	1761	44.3	38.1	14.7	1.9	0.9	38.1	0.0	0.0	0.9	33.6	42.7
Norway	2518	43.8	40.4	11.6	1.9	2.3	40.4	0.0	0.0	2.2	37.7	43.0
Russian Federation	2288	22.9	43.9	28.1	1.2	3.8	43.9	0.0	0.3	3.5	44.0	43.9
Slovenia	1387	40.8	43.0	10.1	3.1	3.1	43.0	0.1	0.1	2.9	37.7	49.1
South Africa	2756	36.1	18.8	35.8	7.4	1.8	18.8	0.0	0.4	1.4	16.2	21.8
Sweden	2804	24.5	49.5	19.1	4.8	2.0	49.5	0.0	0.0	2.0	46.4	52.4
Switzerland	2976	46.9	30.3	13.8	3.3	5.7	30.3	0.1	0.2	5.4	26.2	33.6
United States	5371	50.9	33.2	12.0	2.4	1.5	33.2	0.0	0.1	1.4	31.1	35.1
INTERNATIONAL AVG	.	37.4	39.2	17.0	3.0	3.5	39.2	0.0	0.3	3.1	36.2	42.7

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

Item: B19 KEY: A  
 FRACTION OF TOTAL COOKING TIME (Mathematics Literacy)  
 Difficulty: 438

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	1844	79.3	8.7	6.5	4.2	1.3	79.3	0.0	0.3	1.1	76.1	83.8
Austria	1779	78.7	10.6	4.7	4.1	1.9	78.7	0.0	0.1	1.8	73.8	87.4
Canada	4832	78.7	11.7	5.1	3.8	0.8	78.7	0.0	0.2	0.7	74.3	83.6
Cyprus	473	71.5	11.4	7.8	6.1	3.2	71.5	0.0	0.5	2.7	67.3	77.4
Czech Republic	1899	57.1	17.7	12.6	8.5	4.1	57.1	0.7	0.1	3.3	50.3	63.4
Denmark	2604	87.8	4.6	2.2	2.7	2.7	87.8	0.0	0.2	2.5	84.1	91.9
France	1590	85.3	6.2	4.1	3.1	1.2	85.3	0.1	0.2	1.0	80.7	90.3
Germany	2182	68.8	11.1	6.7	6.3	7.2	68.8	0.1	0.6	6.4	63.5	73.3
Greece	.	.	.	.	.	.	.	.	.	.	.	.
Hungary	5091	71.0	10.3	7.4	6.1	5.2	71.0	0.0	0.3	4.8	69.8	72.2
Iceland	1703	87.4	7.0	2.7	2.5	0.5	87.4	0.0	0.0	0.5	82.7	92.7
Israel	1045	64.8	9.9	10.8	5.2	9.4	64.8	0.1	3.4	5.8	60.7	69.7
Italy	1578	72.0	12.4	4.1	8.5	3.1	72.0	0.1	0.3	2.7	67.1	77.7
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.
Lithuania	2887	68.6	9.8	9.1	4.5	8.0	68.6	0.0	0.6	7.4	64.9	75.7
Netherlands	1470	85.9	5.7	5.0	3.1	0.3	85.9	0.0	0.1	0.3	79.3	92.1
New Zealand	1761	80.6	8.2	5.2	4.7	1.3	80.6	0.1	0.0	1.2	77.6	83.7
Norway	2518	77.1	10.7	4.9	4.8	2.6	77.1	0.0	0.1	2.5	70.7	83.2
Russian Federation	2289	63.2	11.9	9.2	5.7	10.0	63.2	0.5	0.3	9.2	60.8	67.1
Slovenia	1387	79.8	7.8	6.4	2.6	3.4	79.8	0.0	0.1	3.3	75.5	85.0
South Africa	2755	42.4	17.0	23.8	13.1	3.7	42.4	0.1	0.4	3.2	38.5	47.0
Sweden	2811	80.8	10.5	3.6	3.6	1.5	80.8	0.0	0.0	1.4	76.8	84.9
Switzerland	2976	84.2	6.4	3.3	3.6	2.5	84.2	0.0	0.4	2.0	77.6	89.7
United States	5371	59.1	20.1	11.9	7.1	1.8	59.1	0.0	0.1	1.7	53.5	64.6
INTERNATIONAL AVG	.	73.8	10.4	7.1	5.2	3.4	73.8	0.1	0.4	3.0	69.3	78.9

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

Item: B20 KEY: B  
 GRAPH OF BICYCLE RENTAL FEE VS. TIME (Mathematics Literacy)  
 Difficulty: 555

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	1844	28.8	54.4	7.7	8.1	1.1	54.4	0.0	0.3	0.8	53.3	56.0
Austria	1779	23.5	54.0	8.4	10.7	3.5	54.0	0.1	0.1	3.2	50.8	58.9
Canada	4832	34.3	50.3	6.2	8.6	0.6	50.3	0.1	0.2	0.3	49.3	51.8
Cyprus	473	32.5	40.9	12.5	10.3	3.7	40.9	0.4	0.5	2.8	42.2	39.9
Czech Republic	1899	26.7	48.6	8.1	12.7	3.8	48.6	0.0	0.2	3.7	47.1	50.0
Denmark	2604	31.0	57.4	3.3	5.4	2.9	57.4	0.4	0.3	2.2	51.4	64.3
France	1590	26.5	63.0	6.0	3.2	1.4	63.0	0.0	0.2	1.2	59.9	66.3
Germany	2182	27.7	48.5	8.0	10.0	5.9	48.5	0.7	0.6	4.5	46.7	50.5
Greece	.	.	.	.	.	.	.	.	.	.	.	.
Hungary	5091	20.7	60.2	7.5	8.3	3.2	60.2	0.0	0.4	2.8	59.7	61.1
Iceland	1703	44.8	40.5	6.0	7.1	1.5	40.5	0.1	0.0	1.4	34.4	47.3
Israel	1045	28.9	43.0	10.7	11.0	6.4	43.0	0.1	3.6	2.7	40.1	44.0
Italy	1578	27.0	50.0	11.9	7.5	3.6	50.0	0.0	0.3	3.3	47.0	53.5
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.
Lithuania	2887	26.6	49.0	14.1	4.5	5.9	49.0	0.1	0.6	5.2	47.8	51.4
Netherlands	1470	30.5	54.5	7.0	7.5	0.6	54.5	0.0	0.1	0.5	48.5	60.2
New Zealand	1760	40.1	43.9	6.1	9.1	0.8	43.9	0.2	0.0	0.7	40.7	47.2
Norway	2518	34.5	47.5	7.5	8.4	2.1	47.5	0.0	0.1	2.0	43.5	51.3
Russian Federation	2289	30.2	38.8	15.9	10.4	4.7	38.8	0.5	0.3	3.9	38.6	39.1
Slovenia	1387	11.0	36.2	9.2	37.7	5.8	36.2	0.1	0.1	5.7	30.1	42.4
South Africa	2754	23.3	38.5	19.1	16.9	2.3	38.5	0.0	0.5	1.7	37.9	39.1
Sweden	2811	25.1	60.1	8.0	5.8	1.1	60.1	0.1	0.0	0.9	56.0	64.2
Switzerland	2976	27.3	58.4	5.3	6.6	2.4	58.4	0.5	0.5	1.5	58.8	58.0
United States	5371	27.1	51.3	8.6	11.5	1.4	51.3	0.0	0.1	1.3	54.9	47.7
INTERNATIONAL AVG	.	28.5	49.5	9.0	10.1	2.9	49.5	0.2	0.4	2.4	47.2	52.0

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

Item: B21 KEY: B  
 FINDING THE AREA TO BE PAINTED (Mathematics Literacy)  
 Difficulty: 615

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	1844	20.9	41.1	23.5	11.7	2.8	41.1	0.0	0.5	2.3	39.2	43.8
Austria	1779	24.2	32.2	33.4	7.7	2.5	32.2	0.2	0.1	2.1	30.3	36.1
Canada	4832	27.5	39.6	23.4	8.1	1.4	39.6	0.2	0.2	1.0	38.5	40.8
Cyprus	473	32.5	28.9	19.8	14.9	3.8	28.9	0.0	0.5	3.4	27.4	30.0
Czech Republic	1899	35.6	30.7	18.2	9.1	6.5	30.7	0.3	0.4	5.8	26.7	34.4
Denmark	2604	26.3	37.8	27.0	5.1	3.8	37.8	0.6	0.3	2.9	35.0	41.3
France	1590	29.6	38.1	22.0	7.5	2.8	38.1	0.1	0.2	2.5	35.6	41.4
Germany	2182	26.7	29.1	27.7	9.6	6.9	29.1	0.1	1.0	5.8	27.1	30.8
Greece	.	.	.	.	.	.	.	.	.	.	.	.
Hungary	.	.	.	.	.	.	.	.	.	.	.	.
Iceland	1703	23.4	49.9	18.8	4.8	3.1	49.9	0.1	0.0	3.0	43.7	56.8
Israel	1044	24.2	34.5	22.0	8.8	10.4	34.5	0.2	3.6	6.6	33.6	35.3
Italy	1578	22.0	35.6	22.4	12.0	8.0	35.6	0.4	0.3	7.3	32.3	39.4
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.
Lithuania	2887	20.3	34.8	27.8	5.8	11.2	34.8	0.2	0.8	10.3	30.9	42.3
Netherlands	1470	23.4	42.8	25.3	7.7	0.9	42.8	0.0	0.1	0.7	37.7	47.5
New Zealand	1761	27.4	39.3	24.1	7.6	1.6	39.3	0.5	0.0	1.1	38.0	40.7
Norway	2517	27.1	41.7	22.9	4.2	4.1	41.7	0.0	0.1	4.0	37.3	45.8
Russian Federation	2289	29.5	32.2	21.9	7.3	9.0	32.2	0.0	0.3	8.7	28.4	38.5
Slovenia	1387	21.4	42.1	18.2	13.8	4.5	42.1	0.0	0.1	4.4	40.3	44.4
South Africa	2756	33.3	24.1	22.0	16.3	4.3	24.1	0.0	0.6	3.6	23.0	25.6
Sweden	2813	23.6	39.1	31.9	4.3	1.1	39.1	0.0	0.0	1.1	37.9	39.9
Switzerland	2976	19.9	41.6	25.1	10.0	3.4	41.6	0.3	0.5	2.6	39.9	42.8
United States	5371	31.2	32.1	24.1	9.8	2.8	32.1	0.1	0.2	2.5	31.9	32.3
INTERNATIONAL AVG	.	26.2	36.5	23.9	8.9	4.5	36.5	0.1	0.5	3.9	34.0	39.5

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

Item: B22 KEY: D  
 AMOUNT OF YELLOW PAINT (Mathematics Literacy)  
 Difficulty: 456

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	1844	2.6	9.4	3.3	78.1	5.0	1.7	78.1	0.0	0.5	1.2	76.5	80.4
Austria	1779	2.5	10.2	1.8	77.3	6.4	1.8	77.3	0.1	0.1	1.6	75.5	79.9
Canada	4832	2.0	9.4	2.0	80.2	5.8	0.6	80.2	0.0	0.3	0.3	80.1	80.9
Cyprus	473	3.3	17.3	5.3	66.8	5.0	2.4	66.8	0.0	0.5	1.9	68.7	64.8
Czech Republic	1899	1.4	8.7	5.0	70.8	10.6	3.6	70.8	0.1	0.5	3.0	64.6	76.6
Denmark	2604	1.3	14.3	1.1	72.4	7.7	3.2	72.4	0.1	0.4	2.7	67.3	78.5
France	1590	1.0	14.3	2.9	73.4	6.3	2.1	73.4	0.2	0.2	1.7	71.5	75.9
Germany	2182	3.1	10.9	2.4	69.2	9.7	4.8	69.2	0.1	1.1	3.7	70.0	68.6
Greece	.	.	.	.	.	.	.	.	.	.	.	.	.
Hungary	5091	3.3	10.3	2.2	75.1	5.3	3.8	75.1	0.0	0.8	3.0	75.4	74.6
Iceland	1702	1.8	18.0	0.9	70.4	6.4	2.4	70.4	0.1	0.2	2.1	68.3	73.0
Israel	1039	2.7	15.7	7.6	57.1	8.6	8.4	57.1	0.0	3.9	4.4	55.9	59.6
Italy	1578	2.7	17.0	4.2	64.6	8.1	3.4	64.6	0.1	0.3	2.9	66.0	63.0
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.	.
Lithuania	2887	1.8	17.1	2.3	65.5	7.2	6.1	65.5	0.0	1.1	5.0	64.6	67.2
Netherlands	1470	2.7	9.2	2.0	82.5	3.1	0.6	82.5	0.0	0.1	0.5	77.4	87.3
New Zealand	1761	3.1	12.2	2.9	75.4	5.5	1.0	75.4	0.1	0.1	0.8	75.1	75.6
Norway	2518	2.8	14.4	1.9	70.6	7.7	2.6	70.6	0.0	0.1	2.5	68.3	72.7
Russian Federation	2289	2.1	18.1	2.4	67.1	7.0	3.2	67.1	0.0	0.5	2.7	66.4	68.2
Slovenia	1387	2.2	10.7	1.6	77.7	6.0	1.8	77.7	0.0	0.1	1.8	79.8	76.5
South Africa	2757	12.8	15.0	25.5	32.5	11.7	2.4	32.5	0.0	0.7	1.7	30.3	34.7
Sweden	2810	4.0	26.4	1.7	61.0	5.6	1.3	61.0	0.0	0.0	1.2	60.5	61.3
Switzerland	2976	1.6	12.3	1.3	78.3	3.8	2.7	78.3	0.0	0.5	2.2	75.2	80.5
United States	5371	4.0	16.1	6.7	66.8	4.6	1.8	66.8	0.0	0.2	1.6	67.1	66.4
INTERNATIONAL AVG	.	2.9	13.9	4.0	69.7	6.7	2.8	69.7	0.1	0.6	2.2	68.4	71.2

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

Item: B23 KEY: C  
 TOTAL DISTANCE TRAVELED (Mathematics Literacy)  
 Difficulty: 539

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	1844	23.7	8.9	59.6	6.0	1.7	59.6	0.0	0.6	1.1	55.2	65.8
Austria	1779	27.6	7.9	58.2	4.5	1.8	58.2	0.3	0.1	1.4	52.1	68.4
Canada	4832	33.6	6.1	53.7	5.0	1.5	53.7	0.1	0.3	1.1	51.3	56.4
Cyprus	473	31.8	14.8	43.5	5.2	4.6	43.5	0.0	1.4	3.3	43.1	45.0
Czech Republic	1899	38.2	8.0	43.0	4.4	6.4	43.0	0.6	0.5	5.4	38.0	47.6
Denmark	2604	24.4	5.9	63.7	3.2	2.9	63.7	0.0	0.5	2.3	59.1	69.4
France	1590	33.8	7.1	51.8	3.2	4.1	51.8	0.0	0.3	3.8	49.7	54.6
Germany	2182	29.4	8.0	51.3	4.0	7.3	51.3	0.6	1.1	5.5	46.5	54.9
Greece	.	.	.	.	.	.	.	.	.	.	.	.
Hungary	5091	28.3	7.7	53.2	4.5	6.3	53.2	0.0	1.1	5.2	55.5	51.8
Iceland	1703	31.1	6.9	54.4	2.9	4.7	54.4	0.0	0.4	4.3	48.0	61.6
Israel	1039	29.9	12.4	44.7	4.5	8.5	44.7	0.2	4.4	3.8	43.0	45.9
Italy	1577	33.3	7.9	48.8	3.5	6.5	48.8	0.0	0.4	6.1	50.3	46.9
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.
Lithuania	2887	23.6	7.4	53.9	3.0	12.1	53.9	0.0	1.5	10.6	50.9	59.4
Netherlands	1470	27.9	7.0	61.3	3.1	0.8	61.3	0.0	0.1	0.6	54.8	67.3
New Zealand	1761	26.8	9.6	59.2	3.1	1.3	59.2	0.2	0.1	1.0	56.1	62.4
Norway	2518	30.4	7.7	56.4	3.0	2.4	56.4	0.0	0.1	2.3	49.6	63.0
Russian Federation	2289	27.2	11.4	50.2	3.4	7.8	50.2	0.2	0.7	7.0	47.8	54.1
Slovenia	1387	24.6	9.4	58.8	2.9	4.3	58.8	0.2	0.1	4.1	52.6	65.7
South Africa	2756	27.2	15.7	38.3	12.2	6.6	38.3	0.0	1.0	5.6	40.4	36.2
Sweden	2809	29.2	8.6	58.5	2.1	1.6	58.5	0.0	0.1	1.5	54.4	62.6
Switzerland	2976	24.5	5.6	63.6	2.9	3.4	63.6	0.0	0.5	2.9	60.0	66.2
United States	5371	37.2	13.3	42.0	5.0	2.5	42.0	0.1	0.3	2.2	42.0	41.9
INTERNATIONAL AVG	.	29.3	9.0	53.1	4.2	4.5	53.1	0.1	0.7	3.7	50.0	56.7

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

Item: B24 KEY: C  
 VOLUME OF NEW SHAMPOO BOTTLE (Mathematics Literacy)  
 Difficulty: 590

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	1844	42.3	6.3	45.4	1.9	4.2	45.4	0.0	0.6	3.5	41.3	51.0
Austria	1779	38.2	8.9	48.3	1.1	3.4	48.3	0.2	0.2	3.0	45.4	52.6
Canada	4832	41.7	7.7	45.9	2.9	1.9	45.9	0.0	0.3	1.5	41.4	50.4
Cyprus	473	48.3	13.5	30.5	3.2	4.5	30.5	0.0	1.4	3.1	26.8	35.3
Czech Republic	1898	32.4	13.2	45.3	1.6	7.4	45.3	0.5	0.5	6.4	41.2	49.2
Denmark	2604	44.7	4.0	44.1	1.0	6.2	44.1	0.1	0.7	5.4	38.7	51.3
France	1590	44.9	8.1	39.9	0.9	6.2	39.9	0.0	0.4	5.8	35.5	44.7
Germany	2182	42.1	7.9	41.3	1.0	7.6	41.3	0.3	1.3	6.0	40.4	42.5
Greece	.	.	.	.	.	.	.	.	.	.	.	.
Hungary	5091	35.0	7.8	47.6	1.9	7.7	47.6	0.0	1.2	6.5	45.6	49.7
Iceland	1703	44.7	7.9	40.2	2.3	4.8	40.2	0.0	0.5	4.3	37.5	43.4
Israel	1045	35.7	13.5	36.7	2.5	11.6	36.7	0.0	4.5	7.1	33.3	40.5
Italy	1578	45.8	10.4	34.2	1.7	7.9	34.2	0.2	0.5	7.2	29.6	39.6
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.
Lithuania	2887	47.6	6.3	32.3	1.4	12.4	32.3	0.1	1.6	10.8	29.0	38.5
Netherlands	1470	33.1	6.5	57.3	2.0	1.2	57.3	0.0	0.1	1.0	53.6	60.7
New Zealand	1762	38.6	9.2	46.7	3.5	2.0	46.7	0.2	0.1	1.8	45.8	47.6
Norway	2518	43.3	10.3	37.3	1.8	7.4	37.3	0.0	0.2	7.2	32.2	42.2
Russian Federation	2289	39.7	10.5	37.2	1.8	10.9	37.2	0.2	1.1	9.6	34.9	40.8
Slovenia	1387	40.8	8.7	43.3	1.0	6.1	43.3	0.0	0.1	6.0	38.8	47.8
South Africa	2757	27.0	25.0	32.0	9.9	6.1	32.0	0.1	1.2	4.8	33.0	31.6
Sweden	2806	43.5	8.6	43.1	1.8	3.0	43.1	0.0	0.1	2.9	39.5	46.9
Switzerland	2976	40.5	3.7	51.7	0.9	3.3	51.7	0.0	0.5	2.7	48.1	54.7
United States	5371	36.2	18.3	37.5	4.1	3.8	37.5	0.0	0.4	3.4	35.3	39.8
INTERNATIONAL AVG	.	40.3	9.8	41.7	2.3	5.9	41.7	0.1	0.8	5.0	38.5	45.5

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

Item: B25  
 AREA OF A FIELD (Mathematics Literacy)  
 Difficulty: 610

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	1844	32.3	5.8	1.0	0.9	0.5	2.8	6.3	16.2	15.8	0.9	17.5	40.5	1.0	16.5	36.7	45.8
Austria	1779	20.3	21.2	2.1	1.8	0.3	5.9	6.3	9.0	15.8	2.2	15.2	45.6	0.2	15.0	42.6	51.5
Canada	4832	25.9	9.6	2.9	0.6	1.4	2.9	7.9	15.4	20.2	2.1	11.0	40.4	0.4	10.7	39.7	41.9
Cyprus	472	28.1	2.9	0.8	0.9	1.6	1.9	5.2	3.7	29.8	0.2	25.0	34.3	1.6	23.4	32.6	36.2
Czech Republic	1897	10.5	10.5	2.0	1.0	1.6	1.8	9.7	4.7	20.2	2.2	35.7	25.6	0.6	35.1	20.3	30.5
Denmark	2604	27.9	14.9	1.6	0.6	0.3	5.1	2.4	10.8	12.3	0.9	23.2	45.3	0.9	22.3	40.3	51.1
France	1590	22.7	16.0	3.0	0.7	1.8	5.3	7.7	5.3	17.2	1.0	19.2	44.2	0.5	18.7	36.8	53.0
Germany	2181	14.0	13.5	2.0	0.8	0.7	4.2	10.8	8.4	11.6	5.1	28.8	31.0	1.4	27.3	29.2	33.0
Greece	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Hungary	5091	23.0	9.2	3.0	1.6	0.1	3.9	7.4	7.7	16.2	2.7	25.2	37.0	1.6	23.6	36.9	37.1
Iceland	1703	23.3	15.2	2.1	0.6	0.7	4.1	4.2	17.1	12.3	6.0	14.4	41.9	0.7	13.7	35.1	49.6
Israel	1045	25.0	8.7	4.5	1.7	1.1	3.9	5.9	5.7	10.8	0.6	32.0	41.1	4.8	27.2	38.2	44.8
Italy	1578	20.2	16.2	5.4	3.9	7.9	4.4	4.9	3.7	12.2	1.2	20.0	53.6	0.6	19.4	49.8	58.1
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Lithuania	2887	4.4	4.1	0.8	1.5	1.8	0.8	0.5	0.3	40.1	2.2	43.5	12.6	2.0	41.5	11.3	15.2
Netherlands	1470	19.6	18.4	4.2	0.7	2.5	4.6	6.4	17.0	15.6	4.2	6.7	45.4	0.1	6.6	34.1	56.1
New Zealand	1762	32.7	5.6	2.8	0.5	0.2	4.3	8.4	13.9	15.0	2.6	13.9	41.8	0.2	13.8	37.2	46.4
Norway	2518	27.6	12.0	1.3	0.6	0.2	3.8	6.2	11.8	13.1	3.5	19.9	41.7	0.2	19.7	34.3	48.8
Russian Federation	2289	22.0	11.7	3.1	1.3	0.5	3.8	5.4	8.4	17.5	1.6	24.8	38.6	1.5	23.3	37.2	40.8
Slovenia	1387	12.8	21.1	3.3	1.5	2.0	13.3	7.8	0.3	13.9	2.9	21.1	40.7	0.2	20.9	35.1	47.0
South Africa	2757	6.1	3.1	0.8	0.1	0.4	1.9	27.0	1.9	22.3	0.9	35.5	10.4	1.4	34.2	8.2	12.7
Sweden	2812	32.3	12.1	2.6	1.3	2.1	3.4	8.0	8.4	14.0	0.9	14.9	50.5	0.1	14.7	45.1	55.8
Switzerland	2976	23.4	20.0	4.0	1.8	1.6	4.6	6.9	10.5	12.0	1.1	14.2	50.8	0.5	13.7	42.7	57.0
United States	5371	12.3	9.0	1.2	0.6	0.6	3.0	11.9	8.5	30.4	2.4	20.1	23.7	0.4	19.7	20.5	26.7
INTERNATIONAL AVG	.	21.2	11.8	2.5	1.1	1.4	4.1	7.6	8.6	17.6	2.2	21.9	38.0	0.9	20.9	33.8	42.7

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: B26  
 ESTIMATING THE NUMBER OF BOXES (Mathematics Literacy)  
 Difficulty: 589

COUNTRY	N	20	21	22	23	29	11	12	13	70	79	90	99	V1	V2	NOT	1.GIRL	2.BOY	
																REACH			OMIT
															ED				
Australia	1844	10.3	1.1	26.6	1.4	3.8	1.2	2.1	1.7	18.3	18.1	0.6	14.7	48.3	43.3	1.2	13.5	38.4	50.0
Austria	1776	7.2	3.5	30.2	4.0	2.7	0.7	2.1	0.7	12.7	24.3	1.8	10.2	50.9	47.5	0.4	9.8	40.2	59.7
Canada	4832	7.6	2.7	24.3	0.8	3.2	0.4	1.5	2.1	18.4	23.5	2.0	13.7	42.5	38.5	0.4	13.3	35.3	42.7
Cyprus	472	5.1	0.8	7.0	1.1	0.6	0.1	2.6	4.4	2.7	29.2	0.7	45.7	21.6	14.5	1.6	44.2	10.8	19.4
Czech Republic	1897	10.6	2.3	15.0	4.0	8.7	0.5	1.3	1.3	11.7	18.7	2.2	23.7	43.8	40.7	0.8	22.9	32.5	48.4
Denmark	2604	18.0	2.0	24.5	1.4	10.4	1.5	1.6	0.8	15.4	9.0	0.6	14.9	60.1	56.3	1.3	13.7	51.7	61.7
France	1590	14.5	3.9	27.4	0.8	5.0	1.2	1.8	2.5	7.4	14.7	1.4	19.3	57.1	51.7	0.5	18.8	42.1	62.8
Germany	2181	11.4	3.4	18.7	6.6	5.0	1.0	1.5	0.8	7.3	19.4	3.6	21.3	48.4	45.1	1.6	19.8	39.0	51.2
Greece	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Hungary	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Iceland	1702	16.0	4.2	19.5	1.0	5.8	1.2	1.0	2.7	13.6	10.6	10.0	14.4	51.4	46.5	0.9	13.5	39.1	55.1
Israel	1045	4.2	0.8	11.6	1.3	2.0	0.4	0.7	4.6	17.9	13.5	0.2	42.9	25.6	19.9	5.1	37.8	18.2	22.6
Italy	1574	5.5	2.1	14.7	3.3	2.7	0.5	1.7	6.4	8.1	14.5	2.2	38.4	36.8	28.2	0.6	37.8	21.0	36.7
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Lithuania	2887	5.1	3.7	19.5	2.7	4.8	0.4	1.6	4.3	4.4	9.3	1.2	42.8	42.2	35.9	2.4	40.4	30.7	45.5
Netherlands	1470	20.5	2.5	27.1	1.7	6.3	1.0	1.1	0.8	12.8	17.1	3.7	5.4	61.0	58.2	0.2	5.2	45.1	70.4
New Zealand	1761	8.8	1.1	26.4	0.7	3.4	1.0	2.7	2.2	18.6	19.6	1.3	14.2	46.2	40.3	0.3	14.0	35.9	44.9
Norway	2518	12.0	4.1	23.2	0.9	6.4	0.9	1.4	1.1	15.5	13.9	3.6	17.1	50.0	46.6	0.4	16.7	37.7	55.1
Russian Federation	2289	8.0	0.6	13.7	1.5	4.3	0.2	1.3	5.5	5.1	17.1	1.8	40.8	35.1	28.1	1.6	39.2	24.1	34.6
Slovenia	1387	2.3	3.5	23.9	4.5	4.1	1.4	3.8	13.5	1.7	15.3	5.2	20.8	57.0	38.3	0.2	20.6	34.8	42.4
South Africa	2757	1.2	0.4	2.3	0.2	1.0	0.0	0.1	0.4	15.3	33.0	0.7	45.4	5.6	5.1	1.5	43.8	3.8	6.8
Sweden	2810	13.4	3.2	33.2	0.8	5.6	1.3	1.7	1.2	9.3	12.4	1.2	16.9	60.3	56.1	0.2	16.7	51.9	60.3
Switzerland	2976	18.9	2.9	28.1	2.6	5.5	1.5	2.5	2.0	13.2	8.8	1.6	12.4	64.0	57.9	0.8	11.6	49.4	64.8
United States	5371	4.8	0.5	8.4	0.9	2.0	0.3	0.4	0.7	17.2	35.3	2.9	26.6	18.0	16.6	0.6	26.0	15.0	18.2
INTERNATIONAL AVG	.	9.8	2.3	20.2	2.0	4.4	0.8	1.6	2.8	11.7	18.0	2.3	23.9	44.1	38.8	1.1	22.8	33.2	45.4

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: C01 KEY: E  
 COMPARING TEMPERATURES (Mathematics Literacy)  
 Difficulty: 467

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	912	1.5	3.2	2.5	14.7	75.0	3.1	75.0	0.0	2.5	0.6	73.4	77.0
Austria	880	3.4	2.8	2.4	17.8	71.0	2.6	71.0	0.0	1.0	1.5	66.0	80.9
Canada	2427	4.1	1.4	1.7	15.1	75.8	1.8	75.8	0.0	0.8	1.0	73.6	78.5
Cyprus	249	3.5	9.6	6.6	24.1	50.0	6.2	50.0	0.0	3.0	3.3	44.8	56.5
Czech Republic	970	4.1	1.5	4.5	24.8	60.5	4.7	60.5	0.3	1.9	2.5	48.9	70.6
Denmark	1314	2.7	0.7	0.5	11.9	79.9	4.3	79.9	0.0	2.6	1.7	75.6	84.1
France	794	4.1	0.7	0.7	14.0	77.1	3.4	77.1	0.0	1.4	2.0	70.5	84.0
Germany	1105	1.8	2.3	1.1	17.1	71.3	6.2	71.3	0.0	3.2	3.0	64.9	75.9
Greece	.	.	.	.	.	.	.	.	.	.	.	.	.
Hungary	2602	4.1	1.5	1.2	15.5	70.3	7.4	70.3	0.0	4.6	2.8	65.9	73.9
Iceland	867	3.7	0.6	0.5	10.9	80.5	3.8	80.5	0.1	2.0	1.7	74.3	87.5
Israel	532	2.8	8.8	5.8	25.4	45.1	12.0	45.1	0.2	7.9	3.9	38.5	53.5
Italy	792	3.2	3.7	4.2	24.9	56.1	7.9	56.1	0.0	2.2	5.7	48.3	64.7
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.	.
Lithuania	1448	2.6	2.4	1.3	23.5	60.4	9.8	60.4	0.1	4.1	5.6	56.4	67.9
Netherlands	742	1.8	0.5	0.9	9.1	87.2	0.6	87.2	0.0	0.3	0.3	82.2	91.8
New Zealand	887	3.8	3.1	1.7	14.4	75.8	1.1	75.8	0.0	0.5	0.6	71.4	80.6
Norway	1268	4.1	0.9	1.1	16.1	74.8	3.0	74.8	0.0	1.0	2.0	65.3	84.4
Russian Federation	1153	3.6	4.5	1.3	24.1	57.9	8.5	57.9	0.0	3.8	4.8	53.7	64.6
Slovenia	708	2.7	1.2	1.7	14.4	77.9	2.1	77.9	0.0	0.7	1.4	76.0	80.5
South Africa	1391	13.1	12.2	8.2	32.0	29.2	5.3	29.2	0.0	3.5	1.8	28.5	30.6
Sweden	1422	2.7	1.0	1.2	13.4	79.0	2.7	79.0	0.0	0.6	2.1	74.2	83.7
Switzerland	1489	2.7	1.3	1.4	10.2	80.1	4.2	80.1	0.0	2.1	2.1	73.6	85.7
United States	2683	3.4	4.7	4.0	24.6	60.3	3.1	60.3	0.0	1.2	1.8	54.5	66.0
INTERNATIONAL AVG	.	3.6	3.1	2.5	18.1	68.0	4.7	68.0	0.0	2.3	2.4	62.7	73.8

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

Item: C02 KEY: B  
 HEIGHT OF BUILDING BASED ON SHADOW (Mathematics Literacy)  
 Difficulty: 460

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	912	5.4	74.4	6.1	5.6	3.7	4.8	74.4	0.0	2.6	2.2	72.2	77.1
Austria	880	7.0	72.3	7.7	4.7	1.9	6.4	72.3	0.0	1.2	5.3	66.9	82.2
Canada	2427	6.2	78.1	6.4	3.9	1.9	3.6	78.1	0.0	0.9	2.7	76.6	80.8
Cyprus	249	8.7	63.1	6.5	7.5	5.4	8.8	63.1	0.0	3.0	5.9	61.2	64.5
Czech Republic	970	13.9	57.3	6.9	4.4	3.9	13.5	57.3	0.5	2.3	10.7	45.8	67.5
Denmark	1313	5.3	76.9	4.4	2.4	0.8	10.2	76.9	0.0	2.9	7.4	68.9	86.3
France	794	4.7	80.8	6.0	1.7	0.5	6.2	80.8	0.0	2.0	4.2	79.1	82.6
Germany	1105	7.2	66.4	5.5	3.1	2.1	15.7	66.4	0.1	3.6	12.0	64.0	67.8
Greece	.	.	.	.	.	.	.	.	.	.	.	.	.
Hungary	2602	9.4	65.9	6.1	3.2	2.1	13.3	65.9	0.0	5.7	7.7	66.1	65.9
Iceland	867	3.7	74.7	5.3	4.6	4.1	7.6	74.7	0.0	2.3	5.3	69.0	81.4
Israel	532	7.9	57.0	12.0	5.8	2.8	14.5	57.0	0.0	8.3	6.2	54.7	58.9
Italy	792	7.9	69.2	6.4	3.3	2.0	11.2	69.2	0.0	2.7	8.5	66.9	71.7
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.	.
Lithuania	1447	5.0	64.8	6.8	5.5	1.5	16.2	64.8	0.0	5.6	10.7	63.8	66.7
Netherlands	742	4.7	85.2	5.2	2.8	1.1	1.0	85.2	0.0	0.3	0.7	77.5	92.2
New Zealand	887	8.5	68.2	11.7	6.7	3.3	1.7	68.2	0.3	0.5	0.8	65.7	70.9
Norway	1268	8.6	70.3	7.1	4.7	2.2	7.1	70.3	0.0	1.2	5.9	61.7	78.9
Russian Federation	1153	8.6	65.0	5.4	3.8	2.0	15.1	65.0	0.0	4.9	10.3	62.4	69.2
Slovenia	708	4.9	77.2	6.8	3.6	1.3	6.2	77.2	0.0	1.1	5.0	77.4	78.4
South Africa	1390	13.3	40.8	9.4	9.2	18.2	9.1	40.8	0.0	3.8	5.3	41.7	40.5
Sweden	1419	6.2	75.9	7.8	3.4	2.2	4.5	75.9	0.0	0.8	3.8	71.0	80.8
Switzerland	1489	4.0	82.7	3.6	1.2	0.6	7.9	82.7	0.0	2.4	5.5	81.4	84.8
United States	2683	11.4	64.4	10.6	5.7	3.2	4.7	64.4	0.0	1.3	3.4	63.6	65.2
INTERNATIONAL AVG	.	7.4	69.6	7.0	4.4	3.0	8.6	69.6	0.0	2.7	5.9	66.3	73.4

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

Item: C03 KEY: C  
 AREA OF NEW FIGURE (Mathematics Literacy)  
 Difficulty: 499

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	912	3.9	11.3	63.7	4.6	10.2	6.2	63.7	0.0	2.8	3.5	60.8	67.3
Austria	880	3.2	6.6	72.4	3.8	7.7	6.3	72.4	0.1	1.3	4.9	68.8	79.0
Canada	2427	4.2	8.7	66.1	5.5	11.9	3.6	66.1	0.0	1.5	2.1	61.4	71.4
Cyprus	249	7.5	13.3	46.6	8.5	15.0	9.0	46.6	0.0	3.4	5.6	39.4	54.0
Czech Republic	970	6.4	17.0	50.4	2.6	9.2	14.4	50.4	0.1	2.7	11.6	41.9	57.9
Denmark	1313	2.8	3.3	77.7	1.6	6.5	8.2	77.7	0.0	3.3	4.9	72.4	83.7
France	794	4.3	4.3	70.9	1.8	9.8	8.9	70.9	0.0	2.8	6.1	67.9	74.2
Germany	1105	5.4	7.2	61.6	1.6	9.4	14.7	61.6	0.1	4.0	10.7	57.4	65.3
Greece	.	.	.	.	.	.	.	.	.	.	.	.	.
Hungary	2602	4.7	8.0	56.6	3.6	9.0	18.1	56.6	0.0	6.7	11.4	55.6	57.3
Iceland	867	4.2	4.6	70.9	2.4	8.4	9.6	70.9	0.1	2.7	6.8	63.4	79.8
Israel	531	7.5	11.1	47.8	6.6	9.4	17.5	47.8	0.2	9.0	8.3	43.3	50.6
Italy	792	7.7	5.7	63.6	2.2	7.0	13.8	63.6	0.0	3.0	10.8	60.9	66.6
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.	.
Lithuania	1445	3.4	6.5	57.3	1.3	9.9	21.5	57.3	0.0	6.3	15.2	55.8	60.1
Netherlands	742	2.8	6.6	79.5	3.4	6.4	1.2	79.5	0.0	0.4	0.8	72.4	86.0
New Zealand	887	4.9	8.8	66.5	6.3	11.1	2.4	66.5	0.2	0.5	1.7	62.3	70.8
Norway	1268	4.6	6.9	68.9	2.9	7.3	9.4	68.9	0.0	1.9	7.5	61.6	76.2
Russian Federation	1153	3.2	6.1	56.8	3.0	15.1	15.7	56.8	0.0	5.6	10.1	52.2	64.2
Slovenia	708	3.9	6.5	68.4	3.3	10.3	7.6	68.4	0.0	1.4	6.2	65.1	73.7
South Africa	1391	19.6	34.3	21.7	3.9	12.3	8.2	21.7	0.0	4.4	3.9	18.4	26.0
Sweden	1417	4.1	5.8	73.6	5.1	7.5	3.9	73.6	0.0	1.0	2.9	70.8	76.2
Switzerland	1489	4.8	3.7	73.3	1.9	6.0	10.3	73.3	0.0	2.7	7.7	65.8	79.4
United States	2683	5.6	17.5	48.9	7.7	15.6	4.6	48.9	0.0	1.3	3.3	42.7	55.0
INTERNATIONAL AVG	.	5.4	9.3	62.0	3.8	9.8	9.8	62.0	0.0	3.1	6.6	57.3	67.0

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

Item: C04 KEY: A  
 EQUATION USED TO DETERMINE THE COST OF CARDS (Mathematics Literacy)  
 Difficulty: 474

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	912	72.1	6.3	5.8	8.3	1.6	5.9	72.1	0.0	3.2	2.7	76.1	67.0
Austria	880	68.5	6.5	5.6	6.7	4.1	8.7	68.5	0.2	1.6	6.9	67.7	71.8
Canada	2427	80.1	3.9	5.3	5.9	1.1	3.7	80.1	0.0	1.8	1.9	83.6	76.9
Cyprus	249	51.8	8.9	8.9	16.5	4.2	9.7	51.8	0.0	3.8	5.9	52.1	49.4
Czech Republic	969	59.9	6.4	6.9	9.5	2.1	15.2	59.9	0.0	2.9	12.2	55.2	64.0
Denmark	1314	74.7	4.0	4.5	5.1	0.5	11.2	74.7	0.7	4.0	6.4	71.0	78.6
France	794	80.7	2.6	3.8	4.6	1.0	7.2	80.7	0.2	3.1	3.9	80.7	80.9
Germany	1105	55.3	7.7	6.0	10.9	2.7	17.4	55.3	0.1	4.3	13.0	56.8	54.4
Greece	.	.	.	.	.	.	.	.	.	.	.	.	.
Hungary	2602	56.8	5.5	5.2	16.8	1.7	13.9	56.8	0.0	8.1	5.9	61.0	53.2
Iceland	867	81.3	3.6	3.5	3.6	1.0	7.0	81.3	0.2	3.1	3.7	78.7	84.4
Israel	532	52.6	3.8	11.5	12.4	3.8	16.0	52.6	0.0	9.6	6.4	55.1	51.9
Italy	792	61.0	8.0	6.1	13.4	1.5	10.0	61.0	0.0	3.7	6.3	60.4	61.7
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.	.
Lithuania	1445	57.2	5.1	4.3	11.2	2.2	20.1	57.2	0.1	7.1	13.0	60.7	50.5
Netherlands	742	79.5	2.3	5.5	9.0	2.1	1.6	79.5	0.0	0.4	1.2	76.3	82.5
New Zealand	887	75.7	5.0	8.2	5.8	2.6	2.6	75.7	0.0	0.9	1.6	77.6	73.7
Norway	1268	76.4	4.6	5.0	4.3	0.8	8.9	76.4	0.0	2.5	6.5	74.1	78.8
Russian Federation	1153	56.1	3.9	4.1	12.7	5.1	18.1	56.1	0.1	5.8	12.1	54.6	58.6
Slovenia	708	79.2	3.2	4.4	7.6	0.8	4.9	79.2	0.1	1.7	3.1	79.0	79.2
South Africa	1392	35.4	16.4	13.3	15.9	8.9	10.0	35.4	0.0	5.1	4.9	36.3	34.5
Sweden	1420	89.4	1.4	2.8	2.5	0.9	3.1	89.4	0.0	1.1	2.0	89.8	89.0
Switzerland	1489	60.4	7.2	6.0	10.1	1.4	14.9	60.4	0.7	3.4	10.8	59.9	61.5
United States	2683	64.5	6.3	13.3	8.6	3.0	4.2	64.5	0.0	1.4	2.8	66.9	62.2
INTERNATIONAL AVG	.	66.8	5.6	6.4	9.2	2.4	9.7	66.8	0.1	3.6	6.1	67.0	66.6

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

Item: C05 KEY: B  
 TRAIN TIMETABLE (Mathematics Literacy)  
 Difficulty: 453

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	912	5.1	75.4	5.2	5.7	2.8	5.8	75.4	0.0	3.3	2.5	76.4	74.2
Austria	880	3.2	75.1	4.3	9.7	1.7	5.9	75.1	0.0	1.8	4.1	75.5	74.2
Canada	2427	3.6	76.6	5.1	4.6	5.3	4.9	76.6	0.1	1.9	3.0	76.2	76.9
Cyprus	.	.	.	.	.	.	.	.	.	.	.	.	.
Czech Republic	969	3.4	67.9	3.1	7.8	3.8	13.9	67.9	0.0	3.2	10.7	66.8	68.9
Denmark	1314	2.1	76.4	1.4	9.6	1.1	9.3	76.4	0.0	4.9	4.4	74.5	78.8
France	794	1.6	82.7	3.4	3.0	2.5	6.9	82.7	0.0	4.1	2.8	83.2	82.2
Germany	1105	5.7	70.0	2.6	8.8	1.6	11.3	70.0	0.0	4.5	6.8	72.0	69.2
Greece	.	.	.	.	.	.	.	.	.	.	.	.	.
Hungary	2602	5.4	66.6	2.9	7.6	1.8	15.7	66.6	0.0	8.8	6.9	69.1	64.2
Iceland	867	2.7	81.5	1.6	4.3	1.5	8.3	81.5	0.0	3.6	4.7	79.4	84.3
Israel	532	9.2	51.3	7.9	9.2	4.3	18.0	51.3	0.0	10.2	7.9	49.6	53.9
Italy	792	4.4	68.4	4.0	6.5	2.7	14.0	68.4	0.0	4.0	9.9	68.4	68.4
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.	.
Lithuania	1445	4.6	57.8	2.6	5.0	3.5	26.6	57.8	0.0	8.0	18.5	59.9	53.8
Netherlands	742	2.4	85.1	2.1	6.1	2.6	1.7	85.1	0.0	0.4	1.3	80.5	89.4
New Zealand	887	4.5	78.9	5.1	5.8	2.3	3.4	78.9	0.1	1.0	2.3	79.9	77.9
Norway	1268	3.2	78.5	2.2	6.1	2.3	7.6	78.5	0.0	3.1	4.5	76.6	80.5
Russian Federation	1153	6.7	58.9	3.4	9.7	2.6	18.6	58.9	0.1	6.2	12.3	56.2	63.2
Slovenia	708	5.1	77.3	2.9	6.5	1.5	6.8	77.3	0.0	1.8	5.0	72.8	82.1
South Africa	1392	20.4	32.7	10.2	12.1	13.0	11.6	32.7	0.0	5.8	5.8	29.6	35.7
Sweden	1420	3.5	83.3	2.8	5.9	1.4	3.1	83.3	0.0	1.4	1.7	81.5	85.1
Switzerland	1489	2.1	75.0	1.3	9.6	2.3	9.8	75.0	0.0	4.1	5.7	72.7	76.7
United States	2683	8.0	69.3	7.8	6.6	3.7	4.7	69.3	0.0	1.5	3.1	69.9	68.7
INTERNATIONAL AVG	.	5.1	70.9	3.9	7.2	3.1	9.9	70.9	0.0	4.0	5.9	70.0	71.8

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

Item: C06 KEY: D  
 LENGTH OF CHILDREN'S PACE (Mathematics Literacy)  
 Difficulty: 380

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	912	9.1	3.6	0.6	82.7	4.0	82.7	0.0	3.3	0.7	81.2	84.6
Austria	880	3.3	1.7	0.3	91.7	3.0	91.7	0.0	2.2	0.8	91.0	94.4
Canada	2427	11.6	1.6	1.2	82.2	3.5	82.2	0.0	2.9	0.6	82.2	81.9
Cyprus	248	10.1	3.4	1.9	77.1	7.7	77.1	0.0	4.9	2.8	74.5	79.2
Czech Republic	970	3.6	1.4	0.1	90.3	4.7	90.3	0.0	3.8	0.8	89.8	90.7
Denmark	1314	0.6	0.7	0.4	91.2	7.1	91.2	0.0	5.4	1.7	91.4	91.0
France	794	2.9	1.5	0.0	89.5	6.0	89.5	0.0	4.2	1.8	89.9	89.1
Germany	1105	5.2	0.4	0.4	86.2	7.9	86.2	0.0	4.5	3.3	85.4	86.9
Greece	.	.	.	.	.	.	.	.	.	.	.	.
Hungary	2602	9.2	2.3	0.5	74.0	14.0	74.0	0.0	9.9	4.1	76.5	71.8
Iceland	867	1.5	1.2	0.3	91.3	5.7	91.3	0.0	4.2	1.5	90.2	93.1
Israel	532	8.6	4.9	3.9	68.0	14.5	68.0	0.0	10.3	4.1	70.5	66.8
Italy	792	3.9	1.9	1.1	85.5	7.7	85.5	0.8	5.0	1.9	84.9	86.1
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.
Lithuania	1448	1.9	1.3	0.5	84.7	11.6	84.7	0.0	8.4	3.1	87.7	79.0
Netherlands	742	2.0	1.4	0.0	95.8	0.8	95.8	0.0	0.6	0.2	94.4	97.0
New Zealand	887	9.6	2.0	0.9	86.0	1.5	86.0	0.0	1.1	0.4	83.8	88.4
Norway	1268	3.3	0.7	0.6	90.0	5.4	90.0	0.1	3.5	1.8	87.6	92.5
Russian Federation	1153	2.2	1.2	0.8	87.0	8.7	87.0	0.0	6.9	1.8	86.8	87.4
Slovenia	708	1.9	2.3	0.5	92.1	3.2	92.1	0.4	1.9	0.9	91.6	92.9
South Africa	1391	60.3	2.7	2.2	25.7	9.1	25.7	0.0	6.8	2.3	22.3	29.8
Sweden	1424	1.3	1.5	0.3	93.3	3.5	93.3	0.0	1.9	1.7	91.6	95.1
Switzerland	1489	1.8	2.5	0.0	88.3	7.3	88.3	0.0	4.5	2.9	88.9	87.9
United States	2683	30.4	3.4	1.5	61.5	3.2	61.5	0.0	1.6	1.6	55.7	67.2
INTERNATIONAL AVG	.	8.4	2.0	0.8	82.5	6.4	82.5	0.1	4.5	1.9	81.7	83.3

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

Item: C07 KEY: B  
 PRICE OF THE ARTICLE (Mathematics Literacy)  
 Difficulty: 541

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	912	3.2	59.2	29.1	3.3	1.2	4.0	59.2	0.0	3.4	0.6	54.6	65.1
Austria	880	1.8	63.6	30.1	1.5	0.2	2.7	63.6	0.0	2.2	0.5	59.4	72.7
Canada	2427	3.7	49.9	38.7	2.7	0.4	4.7	49.9	0.0	3.2	1.6	44.3	56.7
Cyprus	249	7.5	32.0	44.1	4.7	2.0	9.7	32.0	0.0	5.6	4.1	31.7	32.4
Czech Republic	970	3.3	42.5	42.7	2.6	2.1	6.9	42.5	0.1	4.0	2.9	30.4	53.1
Denmark	1314	0.8	72.8	14.3	2.9	1.5	7.7	72.8	0.0	5.9	1.9	66.1	80.7
France	794	1.8	65.9	22.7	1.9	1.1	6.6	65.9	0.1	4.5	2.0	59.7	72.2
Germany	1105	2.4	49.7	36.0	2.4	0.7	8.8	49.7	0.2	4.8	3.9	43.6	55.4
Greece	.	.	.	.	.	.	.	.	.	.	.	.	.
Hungary	2602	4.8	43.7	31.8	3.0	2.1	14.5	43.7	0.0	10.9	3.6	42.7	44.6
Iceland	867	2.1	71.9	12.2	5.5	1.1	7.1	71.9	0.1	4.8	2.2	66.9	78.0
Israel	532	4.3	50.2	27.4	2.6	0.9	14.5	50.2	0.2	10.9	3.4	49.6	52.7
Italy	792	4.1	38.0	46.0	2.3	1.0	8.6	38.0	0.7	5.1	2.8	33.7	42.9
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.	.
Lithuania	1448	1.8	49.2	28.7	4.1	1.3	14.9	49.2	0.0	8.7	6.2	45.7	55.8
Netherlands	742	2.2	72.4	21.8	2.2	0.3	1.0	72.4	0.0	0.8	0.2	63.4	80.8
New Zealand	887	6.0	56.2	31.2	2.4	2.6	1.6	56.2	0.0	1.1	0.5	50.5	62.2
Norway	1268	2.3	69.4	16.7	4.4	1.2	6.0	69.4	0.0	3.8	2.2	60.5	78.4
Russian Federation	1153	2.3	39.0	42.6	3.5	1.6	11.1	39.0	0.1	7.6	3.4	34.1	46.9
Slovenia	708	0.9	65.4	27.1	1.5	1.9	3.2	65.4	0.0	2.2	1.0	55.8	76.4
South Africa	1392	16.9	13.4	47.4	2.2	10.7	9.3	13.4	0.0	7.2	2.0	12.5	14.8
Sweden	1424	1.7	78.5	14.1	2.2	0.7	2.9	78.5	0.0	2.2	0.7	74.3	82.5
Switzerland	1489	2.0	61.0	27.2	1.7	0.4	7.8	61.0	0.0	5.4	2.4	56.2	64.8
United States	2683	8.1	35.6	47.5	4.0	2.3	2.5	35.6	0.0	1.7	0.8	31.2	39.9
INTERNATIONAL AVG	.	3.8	53.6	30.9	2.9	1.7	7.1	53.6	0.1	4.8	2.2	48.5	59.5

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



Item: C08 KEY: E  
 RELATION OF DISTANCE AND BOUNCE (Mathematics Literacy)  
 Difficulty: 478

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	912	3.3	15.9	4.4	1.7	70.3	4.4	70.3	0.0	3.5	0.9	71.4	68.9
Austria	880	3.1	12.8	3.0	1.3	73.9	6.0	73.9	0.3	2.2	3.5	72.3	77.2
Canada	2427	2.6	16.0	2.8	0.8	72.1	5.6	72.1	0.0	3.7	1.9	72.2	72.1
Cyprus	249	5.3	20.7	6.1	6.1	52.5	9.3	52.5	0.0	5.6	3.7	51.6	52.8
Czech Republic	970	4.3	15.2	2.2	2.5	63.5	12.5	63.5	0.1	5.3	7.0	55.7	70.2
Denmark	1314	2.1	11.3	1.9	1.0	71.4	12.3	71.4	0.4	6.0	5.9	65.7	78.1
France	794	1.4	12.4	0.8	0.7	77.0	7.8	77.0	0.1	4.7	2.9	74.6	80.0
Germany	1105	2.9	13.0	2.7	0.8	64.7	16.0	64.7	0.5	4.9	10.6	67.6	62.4
Greece	.	.	.	.	.	.	.	.	.	.	.	.	.
Hungary	2602	3.3	12.5	2.3	2.0	62.3	17.6	62.3	0.0	11.4	6.1	65.4	59.3
Iceland	867	2.9	15.2	1.6	0.7	68.9	10.7	68.9	0.2	5.0	5.5	65.2	74.2
Israel	532	4.5	14.1	5.5	2.3	58.1	15.6	58.1	0.2	10.9	4.5	56.8	60.6
Italy	792	4.4	13.7	3.0	2.4	60.7	15.8	60.7	0.9	5.3	9.6	58.3	63.3
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.	.
Lithuania	1448	1.8	10.3	1.4	1.4	65.2	19.9	65.2	0.2	9.9	9.8	67.7	60.5
Netherlands	742	3.1	16.8	3.2	1.8	72.6	2.4	72.6	0.0	0.9	1.5	70.3	74.8
New Zealand	887	6.4	14.1	4.8	3.5	69.2	2.1	69.2	0.0	1.2	0.8	69.5	68.9
Norway	1268	5.2	10.7	2.7	1.9	69.3	10.3	69.3	0.0	4.2	6.1	63.3	75.3
Russian Federation	1153	1.6	14.6	1.9	1.4	64.3	16.2	64.3	0.1	8.2	7.9	63.3	65.8
Slovenia	708	1.9	15.2	1.9	0.8	74.4	5.8	74.4	0.1	2.2	3.5	72.5	77.7
South Africa	1391	11.5	18.8	12.5	9.7	36.2	11.4	36.2	0.0	7.3	4.1	37.3	35.3
Sweden	1417	4.6	11.1	3.0	1.7	74.2	5.5	74.2	0.0	2.4	3.0	74.1	74.3
Switzerland	1489	2.9	9.0	1.2	1.5	72.9	12.5	72.9	0.2	5.7	6.6	71.1	74.2
United States	2683	8.5	15.4	6.8	4.6	60.6	4.2	60.6	0.1	1.9	2.3	60.7	60.6
INTERNATIONAL AVG	.	4.0	14.0	3.4	2.3	66.1	10.2	66.1	0.2	5.1	4.9	64.8	67.6

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

Item: C09 KEY: D  
 ROUNDING TO THE NEAREST HUNDRED (Mathematics Literacy)  
 Difficulty: 461

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	912	1.3	4.4	5.4	83.5	1.3	4.0	83.5	0.0	3.6	0.4	85.3	81.2
Austria	879	0.0	0.9	2.5	90.5	2.2	3.9	90.5	0.0	2.3	1.6	90.1	92.3
Canada	2427	0.9	4.2	4.4	82.0	3.0	5.5	82.0	0.0	4.3	1.3	82.3	81.5
Cyprus	249	7.8	12.5	28.5	35.4	6.8	8.9	35.4	0.0	5.6	3.4	36.3	35.6
Czech Republic	970	0.4	16.6	14.7	58.5	1.0	8.8	58.5	0.1	5.7	3.0	51.0	65.1
Denmark	1314	0.1	5.3	5.6	80.7	1.0	7.3	80.7	0.2	6.4	0.7	75.6	87.0
France	794	1.3	18.5	4.3	63.3	2.2	10.3	63.3	1.7	5.5	3.1	61.5	64.8
Germany	1105	0.4	1.4	6.1	81.4	1.9	8.9	81.4	0.1	5.7	3.1	79.5	83.0
Greece	.	.	.	.	.	.	.	.	.	.	.	.	.
Hungary	2602	0.3	4.1	19.2	56.4	2.1	17.9	56.4	0.0	12.7	5.3	56.9	56.0
Iceland	867	0.0	1.1	2.2	88.0	1.0	7.8	88.0	0.0	5.8	2.0	87.7	89.1
Israel	532	3.9	7.5	11.8	57.1	5.1	14.5	57.1	0.2	11.3	3.0	56.8	56.8
Italy	792	1.5	4.6	12.8	67.4	3.8	9.8	67.4	0.6	5.8	3.4	65.5	69.6
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.	.
Lithuania	1448	1.1	6.1	9.3	59.9	7.4	16.2	59.9	0.0	11.0	5.2	60.8	58.3
Netherlands	742	0.3	7.1	5.2	84.3	1.5	1.5	84.3	0.0	1.1	0.4	78.6	89.6
New Zealand	887	0.8	4.3	3.9	87.0	2.2	1.9	87.0	0.2	1.2	0.5	87.2	86.8
Norway	1268	0.4	6.0	4.2	82.5	0.7	6.2	82.5	0.0	4.6	1.6	76.8	88.2
Russian Federation	1153	1.6	16.6	15.9	47.5	2.7	15.7	47.5	0.1	9.0	6.6	45.8	50.2
Slovenia	708	4.2	12.0	22.9	43.6	1.7	15.6	43.6	0.1	2.2	13.4	39.1	49.1
South Africa	1392	7.1	9.6	25.1	35.6	12.3	10.3	35.6	0.0	7.7	2.6	32.8	38.8
Sweden	1423	0.1	4.6	3.2	87.9	0.8	3.4	87.9	0.0	2.6	0.8	86.1	89.6
Switzerland	1489	0.5	4.8	3.3	81.0	0.9	9.4	81.0	0.5	6.5	2.5	77.3	84.4
United States	2683	1.6	5.7	6.3	78.3	5.3	2.7	78.3	0.0	1.9	0.8	80.4	76.3
INTERNATIONAL AVG	.	1.6	7.2	9.9	69.6	3.0	8.7	69.6	0.2	5.6	2.9	67.9	71.5

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

Item: C11 KEY: C  
 AREA OF UNCOVERED WHITE PAPER (Mathematics Literacy)  
 Difficulty: 469

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	911	5.6	7.9	78.4	2.6	5.5	78.4	0.0	4.3	1.3	79.6	76.8
Austria	879	5.4	8.0	77.1	3.5	6.1	77.1	0.0	2.9	3.2	71.7	87.9
Canada	2427	7.6	7.7	72.5	4.0	8.2	72.5	0.0	5.9	2.3	71.3	74.2
Cyprus	249	8.1	14.9	56.9	9.2	10.9	56.9	0.0	8.0	2.9	59.3	55.1
Czech Republic	970	9.0	7.6	62.4	4.3	16.7	62.4	0.1	6.7	9.8	53.5	70.2
Denmark	1314	2.1	3.1	81.2	1.8	11.7	81.2	0.0	7.7	4.0	77.7	85.2
France	794	2.9	4.6	77.1	4.1	11.4	77.1	0.0	7.7	3.6	71.7	82.8
Germany	1105	6.7	6.1	67.6	4.7	14.9	67.6	0.2	7.8	6.9	65.1	70.5
Greece	.	.	.	.	.	.	.	.	.	.	.	.
Hungary	2602	10.2	7.0	55.5	1.7	25.6	55.5	0.0	16.2	9.4	57.8	53.3
Iceland	867	3.5	2.3	77.3	2.5	14.4	77.3	0.1	8.1	6.2	75.1	80.6
Israel	532	10.2	15.2	51.7	4.1	18.8	51.7	0.4	12.4	6.0	52.1	51.9
Italy	792	4.1	5.9	70.0	5.7	14.3	70.0	0.1	7.1	7.1	69.0	71.1
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.
Lithuania	1447	5.1	5.5	56.7	7.4	25.4	56.7	0.0	12.5	12.9	57.5	55.1
Netherlands	742	4.7	5.3	85.3	2.7	2.0	85.3	0.0	1.4	0.6	79.0	91.0
New Zealand	887	10.4	7.3	75.9	3.1	3.4	75.9	0.4	1.9	1.1	73.2	78.6
Norway	1268	7.3	6.0	72.5	2.5	11.6	72.5	0.0	5.4	6.2	66.6	78.4
Russian Federation	1153	4.3	5.5	64.4	5.3	20.4	64.4	0.0	11.3	9.1	62.8	66.9
Slovenia	708	5.1	5.7	75.2	5.9	8.1	75.2	0.0	3.3	4.8	71.2	80.9
South Africa	1391	32.1	17.1	21.9	16.1	12.8	21.9	0.1	8.9	3.8	20.3	24.2
Sweden	1420	5.3	5.0	80.2	2.9	6.7	80.2	0.0	3.5	3.1	78.5	81.8
Switzerland	1489	2.6	3.1	79.6	2.7	12.0	79.6	0.0	7.5	4.5	74.6	83.9
United States	2683	14.8	16.2	52.9	10.4	5.6	52.9	0.1	2.2	3.3	51.0	54.8
INTERNATIONAL AVG	.	7.6	7.6	67.8	4.9	12.1	67.8	0.1	6.9	5.1	65.4	70.7

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

Item: C12  
 COMPARING DISCOUNTS (Mathematics Literacy)  
 Difficulty: 683

COUNTRY	N	10	70	71	72	73	79	90	99	V1	NOT	OMIT	1. GIRL	2. BOY
											REACH		% Right	% Right
Australia	911	37.0	3.3	35.8	3.2	0.0	7.0	0.1	13.7	37.0	4.4	9.3	33.9	41.0
Austria	879	22.3	3.6	40.7	10.4	0.4	7.5	1.3	13.7	22.3	3.2	10.4	16.9	32.4
Canada	2427	34.3	1.5	39.8	2.7	0.0	8.8	0.3	12.7	34.3	6.8	5.9	27.7	41.7
Cyprus	249	15.1	7.9	29.3	7.5	0.0	4.8	0.0	35.5	15.1	8.5	27.0	14.6	16.0
Czech Republic	968	13.4	4.5	31.5	4.3	1.3	9.8	2.4	32.9	13.4	7.5	25.3	8.8	17.4
Denmark	1314	48.6	2.2	29.4	0.9	0.3	2.7	0.5	15.5	48.6	8.4	7.0	40.0	59.6
France	794	23.7	3.1	39.4	9.7	0.0	6.9	0.6	16.6	23.7	8.4	8.2	21.0	26.4
Germany	1105	18.2	3.4	32.7	4.3	0.4	13.2	2.6	25.2	18.2	8.1	17.0	14.5	21.5
Greece	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Hungary	2602	15.1	2.7	42.9	2.9	0.2	3.3	0.6	32.2	15.1	17.3	14.9	14.2	15.6
Iceland	867	21.8	0.7	54.4	2.5	0.0	2.6	0.8	17.2	21.8	9.6	7.6	14.2	30.7
Israel	532	16.9	2.8	33.5	2.8	0.4	6.6	0.4	36.7	16.9	12.8	23.9	17.9	15.8
Italy	792	18.2	4.5	30.2	5.6	0.2	9.9	0.7	30.6	18.2	7.5	23.1	13.6	23.3
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Lithuania	1448	16.1	1.6	41.1	3.3	0.1	4.1	0.9	32.9	16.1	13.3	19.6	13.7	20.8
Netherlands	742	29.3	3.1	54.9	3.9	0.0	4.1	1.3	3.5	29.3	1.5	2.0	25.1	33.1
New Zealand	887	36.6	2.1	39.3	3.0	0.2	10.1	0.1	8.7	36.6	2.1	6.6	30.6	42.8
Norway	1268	31.4	1.6	41.4	4.0	0.6	3.6	1.5	16.0	31.4	5.8	10.2	21.1	41.8
Russian Federation	1153	24.0	4.5	26.2	3.4	0.1	8.8	0.5	32.4	24.0	12.2	20.2	23.0	25.5
Slovenia	708	25.8	5.0	39.6	0.1	0.3	6.7	2.3	20.2	25.8	3.5	16.7	22.6	29.4
South Africa	1392	7.5	5.3	11.7	6.5	0.2	36.9	0.4	31.5	7.5	9.8	21.7	6.4	9.0
Sweden	1419	34.2	1.7	48.2	0.9	0.4	3.8	0.1	10.6	34.2	4.1	6.5	24.5	43.7
Switzerland	1489	28.4	2.0	43.9	3.7	0.0	4.7	0.5	16.9	28.4	8.3	8.6	26.2	29.7
United States	2683	27.1	2.9	36.3	6.7	0.9	15.6	0.7	10.0	27.1	2.3	7.7	21.7	32.4
INTERNATIONAL AVG	.	24.8	3.2	37.4	4.2	0.3	8.2	0.8	21.1	24.8	7.5	13.6	20.6	29.5

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: C13  
 RELATIONSHIP BETWEEN MASS AND VOLUME (Mathematics Literacy)  
 Difficulty: 698

COUNTRY	N	10	11	12	19	70	71	72	73	79	90	99	V1	NOT	OMIT	1.GIRL	2.BOY
														REACH		% Right	% Right
														ED			
Australia	912	22.7	0.5	1.0	0.7	7.6	4.7	1.2	0.0	10.4	1.5	49.6	24.9	5.4	44.2	19.3	32.1
Austria	880	9.8	0.5	3.4	0.1	5.4	0.2	1.5	0.0	17.0	7.0	55.2	13.8	4.0	51.1	9.1	22.9
Canada	2427	25.9	2.2	1.0	2.6	6.6	2.7	0.9	0.0	7.5	5.6	45.0	31.8	7.3	37.7	27.2	37.2
Cyprus	249	13.7	4.7	2.1	0.0	0.0	0.0	0.0	0.0	7.9	0.0	71.6	20.5	8.5	63.1	17.2	23.8
Czech Republic	968	8.0	3.1	2.2	0.8	0.7	4.1	1.1	0.2	6.6	2.2	71.0	14.1	8.6	62.4	7.9	19.6
Denmark	1314	26.6	0.4	0.2	1.7	2.8	1.3	0.0	0.1	9.4	0.3	57.3	28.9	9.5	47.8	20.7	38.9
France	794	29.3	1.2	0.3	0.5	1.6	0.3	0.6	0.0	11.9	0.9	53.3	31.3	9.9	43.4	22.6	40.2
Germany	1105	10.0	1.7	2.2	0.4	2.7	0.5	1.4	0.1	5.4	8.5	67.2	14.3	9.4	57.8	10.9	17.0
Greece	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Hungary	2602	7.0	3.5	8.7	0.9	0.9	0.9	2.9	0.5	6.2	0.8	67.7	20.2	19.2	48.5	16.7	23.1
Iceland	867	13.8	1.1	1.0	0.5	4.5	3.3	1.1	0.0	8.5	9.4	56.7	16.5	10.6	46.1	10.5	23.5
Israel	532	13.9	0.2	0.9	1.1	6.2	1.3	0.6	0.4	5.5	1.7	68.2	16.2	13.2	55.1	10.3	20.3
Italy	792	8.6	2.9	1.0	1.0	2.2	0.5	0.8	0.0	3.9	2.4	76.6	13.5	9.2	67.4	10.5	16.8
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Lithuania	1448	7.5	0.8	7.8	1.1	3.7	0.7	0.5	0.0	2.3	0.6	75.0	17.1	14.3	60.8	16.8	17.7
Netherlands	742	31.0	0.9	1.8	2.4	6.7	2.4	3.7	0.0	12.9	20.1	18.3	36.0	1.9	16.4	27.1	44.2
New Zealand	887	23.5	0.4	0.2	0.2	4.0	8.4	4.4	0.2	9.3	6.0	43.3	24.4	2.7	40.6	18.6	30.5
Norway	1268	15.8	0.8	1.2	0.2	3.1	8.6	0.3	0.3	5.9	6.9	56.8	18.1	6.4	50.4	8.1	28.2
Russian Federation	1153	6.6	9.2	6.3	5.5	2.3	1.4	1.1	0.4	4.5	0.3	62.6	27.5	13.1	49.5	25.1	31.4
Slovenia	708	6.8	3.9	11.8	0.7	0.3	1.6	0.1	0.0	12.6	5.7	56.5	23.2	4.4	52.0	17.4	29.3
South Africa	1392	2.6	0.5	4.6	5.4	1.4	3.2	0.7	0.7	24.7	0.8	55.5	13.0	12.2	43.3	11.8	14.3
Sweden	1422	22.9	2.2	0.6	0.4	4.5	2.9	0.2	0.0	10.4	3.0	52.8	26.1	4.5	48.2	16.4	35.6
Switzerland	1489	19.0	2.1	4.0	0.9	4.7	1.1	1.7	0.0	8.7	4.8	53.0	26.0	9.3	43.7	17.2	33.4
United States	2683	13.3	0.1	1.9	0.1	5.1	11.0	1.3	0.3	19.1	5.3	42.6	15.4	2.3	40.2	13.2	17.6
INTERNATIONAL AVG	.	15.4	2.0	2.9	1.2	3.5	2.8	1.2	0.1	9.6	4.3	57.1	21.5	8.4	48.6	16.1	27.2

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: C14 KEY: B  
 ESTIMATING THE AGE OF A TREE (Science Literacy)  
 Difficulty: 482

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	912	0.6	63.8	5.8	10.1	12.8	6.9	63.8	0.0	6.0	0.9	61.8	66.5
Austria	880	0.1	70.2	10.2	3.9	10.5	5.2	70.2	0.4	4.5	0.3	67.5	74.7
Canada	2427	0.4	65.9	6.9	4.9	12.3	9.6	65.9	0.0	8.8	0.8	68.5	63.2
Cyprus	249	2.8	39.1	9.6	11.2	25.5	11.8	39.1	0.0	8.9	2.9	36.7	42.4
Czech Republic	970	0.6	68.8	6.6	3.5	10.0	10.6	68.8	0.1	8.7	1.8	62.8	74.0
Denmark	1313	0.3	77.6	1.7	3.3	4.5	12.5	77.6	0.3	10.6	1.6	77.7	78.0
France	794	0.5	58.1	4.3	6.4	15.3	15.5	58.1	0.0	11.2	4.3	55.4	61.1
Germany	1104	0.4	67.8	4.0	5.4	8.5	13.9	67.8	0.1	10.6	3.2	67.8	68.1
Greece	.	.	.	.	.	.	.	.	.	.	.	.	.
Hungary	2602	1.4	65.0	4.8	0.4	4.3	24.1	65.0	0.0	20.6	3.5	63.4	66.5
Iceland	866	0.1	67.6	3.6	6.3	7.7	14.7	67.6	0.1	12.3	2.3	64.1	72.2
Israel	531	2.4	52.7	7.3	6.2	13.0	18.3	52.7	0.4	13.9	4.0	53.4	51.3
Italy	792	1.4	62.2	6.8	6.5	9.3	13.9	62.2	0.1	10.5	3.4	54.7	70.6
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.	.
Lithuania	1445	0.5	69.1	4.6	2.4	5.3	18.0	69.1	0.0	15.0	3.0	70.0	67.5
Netherlands	742	0.4	82.5	3.3	3.4	7.6	2.8	82.5	0.0	2.1	0.7	79.1	85.6
New Zealand	887	0.8	72.0	7.1	7.4	8.8	3.9	72.0	0.0	3.1	0.8	71.8	72.1
Norway	1268	0.0	69.5	8.8	4.5	8.4	8.8	69.5	0.0	7.1	1.7	63.6	75.5
Russian Federation	1151	0.0	69.7	5.0	1.2	8.2	15.8	69.7	0.0	13.9	1.9	68.0	72.4
Slovenia	708	0.1	82.8	3.8	3.4	3.0	6.8	82.8	0.1	4.9	1.8	76.7	89.3
South Africa	1392	5.6	36.1	9.8	7.9	25.9	14.7	36.1	0.1	13.2	1.5	33.7	39.0
Sweden	1423	0.1	71.8	7.7	4.5	10.0	5.9	71.8	0.1	5.4	0.5	67.2	76.2
Switzerland	1489	0.2	72.6	3.8	3.9	6.0	13.5	72.6	1.4	10.0	2.1	67.1	77.2
United States	2683	0.8	68.6	9.2	5.3	11.7	4.3	68.6	0.0	2.8	1.5	65.7	71.5
INTERNATIONAL AVG	.	0.9	66.1	6.1	5.1	10.4	11.4	66.1	0.1	9.3	2.0	63.5	68.9

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

Item: C15 KEY: B  
 SOLAR RADIATION AND SUNBURN (Science Literacy)  
 Difficulty: 436

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	912	1.8	86.9	1.7	2.5	0.1	6.9	86.9	0.0	6.0	0.9	87.8	85.9
Austria	880	11.4	78.0	3.7	0.3	0.4	6.3	78.0	0.2	4.5	1.5	75.5	83.2
Canada	2427	1.5	83.5	2.2	1.2	1.2	10.4	83.5	0.0	9.1	1.3	84.0	83.0
Cyprus	249	4.8	62.2	8.5	11.4	2.5	10.5	62.2	0.0	8.9	1.7	58.2	67.2
Czech Republic	970	14.1	55.2	18.4	0.1	0.1	12.1	55.2	1.2	8.8	2.1	52.9	57.2
Denmark	1313	5.7	76.7	3.0	0.3	0.6	13.7	76.7	0.3	10.6	2.8	72.2	82.8
France	794	3.0	75.5	3.3	4.2	0.7	13.3	75.5	0.2	11.6	1.5	70.1	81.4
Germany	1105	8.2	76.0	2.4	0.8	0.5	12.0	76.0	0.3	10.6	1.1	68.2	82.5
Greece	.	.	.	.	.	.	.	.	.	.	.	.	.
Hungary	2602	13.7	50.1	9.0	1.0	0.2	25.9	50.1	0.0	20.9	5.0	48.0	52.1
Iceland	866	4.6	77.1	4.1	0.0	0.0	14.3	77.1	0.0	12.7	1.6	78.8	76.1
Israel	532	6.0	51.5	15.4	8.8	0.8	17.5	51.5	0.2	13.9	3.4	52.6	51.5
Italy	792	10.3	65.1	4.1	4.0	0.6	15.8	65.1	0.1	10.6	5.1	63.2	67.2
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.	.
Lithuania	1448	5.1	68.8	5.5	1.1	0.0	19.3	68.8	0.0	15.2	4.2	71.9	62.9
Netherlands	742	2.6	89.1	5.1	0.4	0.1	2.6	89.1	0.0	2.4	0.2	86.0	92.0
New Zealand	887	2.0	87.9	4.0	1.1	1.1	3.9	87.9	0.0	3.3	0.5	87.6	88.3
Norway	1268	2.7	83.8	4.7	0.1	0.0	8.7	83.8	0.0	7.3	1.4	80.7	86.9
Russian Federation	1153	6.0	70.5	5.2	1.3	0.3	16.7	70.5	0.0	13.8	2.9	69.2	72.4
Slovenia	708	3.3	80.4	9.3	0.6	0.6	5.8	80.4	0.4	4.9	0.6	77.6	83.5
South Africa	1390	10.3	39.9	8.7	13.3	12.2	15.6	39.9	0.0	13.6	2.0	38.2	42.0
Sweden	1423	4.3	87.3	2.0	0.3	0.0	6.1	87.3	0.1	5.6	0.5	86.4	88.1
Switzerland	1488	7.9	74.9	2.6	2.7	0.4	11.4	74.9	0.1	10.2	1.1	72.8	76.6
United States	2683	2.1	86.3	4.9	2.0	0.9	3.7	86.3	0.0	2.9	0.8	85.8	86.8
INTERNATIONAL AVG	.	6.0	73.0	5.8	2.6	1.1	11.5	73.0	0.1	9.4	1.9	71.3	75.0

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

Item: C16 KEY: A  
 LIGHT-COLORED CLOTHES (Science Literacy)  
 Difficulty: 406

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	912	80.5	1.9	2.2	7.9	7.5	80.5	0.0	6.3	1.1	79.5	81.8
Austria	880	88.3	1.7	1.9	2.0	6.1	88.3	0.3	4.9	0.9	89.1	88.2
Canada	2427	80.2	1.1	2.0	5.3	11.4	80.2	0.1	9.5	1.8	80.3	79.9
Cyprus	249	51.3	12.2	6.9	18.8	10.7	51.3	0.0	9.3	1.4	52.2	52.5
Czech Republic	970	82.9	0.8	3.8	2.7	9.7	82.9	0.0	9.4	0.4	79.6	85.9
Denmark	1313	84.8	0.8	0.1	1.6	12.7	84.8	0.6	11.4	0.8	82.1	88.1
France	794	77.9	0.9	1.8	5.3	14.1	77.9	0.0	11.8	2.3	75.6	80.6
Germany	1105	79.5	2.4	1.8	3.5	12.8	79.5	1.1	10.9	0.8	81.3	78.6
Greece	.	.	.	.	.	.	.	.	.	.	.	.
Hungary	2602	72.4	1.2	1.1	2.2	23.0	72.4	0.0	22.0	1.0	73.0	71.5
Iceland	866	82.6	0.4	0.4	2.6	14.1	82.6	0.0	13.2	0.9	81.3	84.8
Israel	532	70.5	3.9	3.4	4.7	17.5	70.5	0.2	14.8	2.4	71.8	71.4
Italy	791	73.9	3.5	4.4	4.0	14.2	73.9	0.1	11.9	2.2	69.6	78.8
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.
Lithuania	1448	76.2	0.8	0.7	4.2	18.0	76.2	0.0	16.8	1.2	78.0	72.9
Netherlands	742	93.6	0.5	0.5	2.6	2.8	93.6	0.0	2.5	0.3	91.4	95.6
New Zealand	887	82.1	2.8	3.6	7.4	4.1	82.1	0.2	3.6	0.3	82.7	81.4
Norway	1268	87.0	0.5	1.1	2.8	8.6	87.0	0.0	7.9	0.7	83.1	90.9
Russian Federation	1153	77.6	0.8	0.8	4.5	16.2	77.6	0.4	14.9	0.9	75.8	80.5
Slovenia	708	90.9	0.9	0.6	2.1	5.5	90.9	0.0	5.1	0.4	88.8	93.4
South Africa	1391	40.1	7.9	17.9	19.0	15.1	40.1	0.0	13.9	1.2	38.4	43.0
Sweden	1422	89.9	0.7	0.2	3.0	6.2	89.9	0.0	5.8	0.4	87.2	92.5
Switzerland	1489	81.9	2.0	1.5	2.0	12.6	81.9	0.3	10.7	1.6	80.3	83.9
United States	2683	77.4	3.0	5.3	9.8	4.5	77.4	0.0	3.2	1.3	74.5	80.2
INTERNATIONAL AVG	.	78.3	2.3	2.8	5.4	11.2	78.3	0.1	10.0	1.1	77.1	79.8

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



Item: C17 KEY: C  
 MACHINE WITH 30% ENERGY EFFICIENCY (Science Literacy)  
 Difficulty: 525

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	912	7.3	8.1	61.6	14.8	8.2	61.6	0.1	6.6	1.5	59.9	63.6
Austria	880	6.4	5.6	65.0	13.1	10.0	65.0	0.1	5.6	4.3	62.2	71.3
Canada	2427	6.4	4.6	61.2	15.6	12.1	61.2	0.0	10.1	2.0	59.3	63.3
Cyprus	249	7.2	15.4	48.0	11.5	17.9	48.0	0.4	9.9	7.6	47.0	48.4
Czech Republic	970	5.4	10.5	51.1	15.9	17.1	51.1	0.0	9.6	7.5	39.6	61.3
Denmark	1313	2.3	4.0	66.1	9.6	18.0	66.1	0.5	11.8	5.7	60.9	73.1
France	794	5.5	6.7	52.1	18.4	17.4	52.1	0.5	13.1	3.8	52.1	51.5
Germany	1105	5.5	5.6	59.3	9.2	20.5	59.3	0.2	11.1	9.1	50.3	65.9
Greece	.	.	.	.	.	.	.	.	.	.	.	.
Hungary	2602	5.3	5.2	48.3	10.2	31.0	48.3	0.0	22.3	8.7	45.3	50.7
Iceland	866	1.4	6.7	68.0	5.6	18.3	68.0	0.2	13.7	4.5	66.4	70.2
Israel	532	6.6	7.7	52.4	11.8	21.4	52.4	0.0	15.0	6.4	47.9	57.7
Italy	791	6.7	5.8	52.4	12.3	22.8	52.4	0.0	13.4	9.5	47.3	58.2
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.
Lithuania	1448	4.5	6.4	50.5	5.9	32.7	50.5	0.1	17.4	15.1	50.8	50.0
Netherlands	742	12.2	12.2	58.8	13.4	3.5	58.8	0.0	2.5	1.0	48.6	68.2
New Zealand	887	4.4	7.7	66.7	16.2	5.1	66.7	0.0	3.9	1.2	64.8	68.6
Norway	1268	7.1	4.5	64.4	9.7	14.2	64.4	0.0	8.4	5.9	57.6	71.3
Russian Federation	1153	1.9	3.9	63.2	6.7	24.3	63.2	0.0	15.1	9.3	58.0	71.5
Slovenia	708	1.8	4.2	75.3	8.8	9.9	75.3	0.0	5.3	4.6	72.3	79.6
South Africa	1390	17.6	14.7	31.1	19.1	17.5	31.1	0.0	14.6	2.9	30.8	31.8
Sweden	1417	10.3	8.6	61.3	12.0	7.8	61.3	0.0	6.1	1.8	55.7	66.6
Switzerland	1489	6.2	6.6	58.8	9.8	18.6	58.8	0.2	11.5	6.9	53.9	62.5
United States	2683	7.3	9.5	62.6	14.9	5.7	62.6	0.0	4.1	1.6	62.0	63.2
INTERNATIONAL AVG	.	6.3	7.5	58.1	12.0	16.1	58.1	0.1	10.5	5.5	54.2	62.2

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

Item: C18  
 PHOTOSYNTHESIS EXPERIMENT (Science Literacy)  
 Difficulty: 659

COUNTRY	N	10	70	71	79	90	99	V1	NOT	OMIT	1.GIRL	2.BOY
									REACH		% Right	% Right
									ED			
Australia	912	43.3	4.9	0.9	7.0	0.0	43.9	43.3	7.4	36.5	39.9	47.6
Austria	880	29.6	4.0	1.2	7.7	3.5	54.1	29.6	7.8	46.3	27.6	34.4
Canada	2427	49.9	4.3	1.3	3.9	0.5	40.0	49.9	11.1	29.0	48.7	52.1
Cyprus	249	15.3	1.9	0.8	6.3	0.4	75.3	15.3	14.5	60.8	14.8	15.3
Czech Republic	969	26.5	5.6	0.9	3.6	0.6	62.7	26.5	13.2	49.5	16.3	35.5
Denmark	1313	34.6	0.8	0.5	3.4	0.4	60.4	34.6	14.8	45.6	24.6	47.5
France	794	32.4	1.4	0.3	0.7	0.8	64.3	32.4	14.5	49.8	27.7	37.5
Germany	1104	24.3	1.7	0.8	2.9	3.8	66.4	24.3	16.1	50.3	23.7	24.2
Greece	.	.	.	.	.	.	.	.	.	.	.	.
Hungary	2602	21.0	0.2	0.5	1.9	0.2	76.3	21.0	27.7	48.6	18.8	22.2
Iceland	867	39.3	0.8	0.8	5.8	1.8	51.5	39.3	15.9	35.5	34.1	45.7
Israel	532	18.4	3.6	0.6	3.2	0.2	74.1	18.4	17.9	56.2	16.7	19.5
Italy	792	14.4	1.3	0.7	2.5	0.7	80.5	14.4	17.9	62.7	10.7	18.4
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.
Lithuania	1448	16.7	2.6	0.7	2.1	0.2	77.7	16.7	25.6	52.1	16.7	16.7
Netherlands	742	53.4	6.0	2.6	5.7	11.1	21.1	53.4	3.2	17.9	51.0	55.7
New Zealand	887	51.7	5.9	0.7	7.4	0.9	33.4	51.7	4.8	28.6	52.5	50.7
Norway	1268	34.6	1.4	0.7	3.4	4.4	55.6	34.6	10.7	44.8	25.7	43.5
Russian Federation	1153	27.9	1.7	1.3	3.4	0.1	65.7	27.9	19.0	46.7	24.9	32.6
Slovenia	708	34.7	2.7	0.6	5.0	2.1	54.9	34.7	7.9	47.0	29.5	40.7
South Africa	1392	16.2	4.0	0.9	9.7	1.8	67.4	16.2	16.5	50.8	16.6	16.1
Sweden	1423	39.6	2.7	1.4	2.7	2.0	51.6	39.6	6.6	44.9	32.6	46.3
Switzerland	1489	36.5	2.2	0.8	2.3	2.5	55.7	36.5	15.2	40.5	31.7	40.1
United States	2683	34.0	10.5	1.4	12.7	2.0	39.3	34.0	4.8	34.5	31.8	36.2
INTERNATIONAL AVG	.	31.6	3.2	0.9	4.7	1.8	57.8	31.6	13.3	44.5	28.0	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: C19  
 WATERCYCLE (Science Literacy)  
 Difficulty: 608

COUNTRY	N	20	10	11	12	19	70	79	90	99	V1	V2	NOT	1.GIRL	2.BOY	
													REACH			OMIT
													ED			
Australia	912	42.1	5.0	2.6	0.5	0.6	9.6	2.3	0.2	37.1	50.8	42.1	18.3	18.7	36.1	49.7
Austria	880	43.0	4.0	4.0	0.6	0.2	14.0	5.8	2.4	26.0	51.8	43.0	12.0	14.0	37.8	53.1
Canada	2427	48.2	7.0	3.5	0.3	0.6	6.1	3.3	1.3	29.6	59.7	48.2	17.9	11.7	44.4	52.7
Cyprus	249	15.8	1.5	0.0	0.0	6.6	5.2	4.3	0.8	65.8	23.9	15.8	30.8	34.9	15.6	17.0
Czech Republic	969	23.5	2.5	6.5	0.0	0.6	14.9	4.0	1.9	46.2	33.1	23.5	20.3	26.0	13.2	32.5
Denmark	1313	46.1	3.4	5.7	0.6	1.8	4.7	3.8	0.5	33.4	57.6	46.1	23.4	10.0	38.1	57.1
France	794	33.5	6.6	4.2	0.7	0.9	7.1	1.4	0.5	44.9	46.0	33.5	23.7	21.3	29.7	37.9
Germany	1104	42.0	3.8	1.1	0.4	0.5	7.4	5.8	3.1	35.9	47.8	42.0	22.2	13.6	41.4	42.1
Greece	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Hungary	2602	17.9	0.8	2.4	0.5	5.4	6.8	3.4	3.8	58.8	27.2	17.9	39.9	19.0	13.4	21.5
Iceland	867	48.0	0.5	7.5	0.5	1.9	8.5	1.3	0.6	31.2	58.4	48.0	21.5	9.7	43.7	53.1
Israel	532	8.1	8.3	1.1	0.2	0.6	1.3	5.1	1.1	74.2	18.2	8.1	37.0	37.2	6.8	10.0
Italy	792	29.2	5.6	3.5	0.5	2.9	3.0	3.2	0.8	51.3	41.8	29.2	30.2	21.1	24.9	34.2
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Lithuania	1448	21.5	0.2	6.9	0.2	0.7	7.5	5.4	1.0	56.6	29.6	21.5	33.9	22.7	19.4	25.6
Netherlands	742	70.3	4.1	5.1	0.2	0.2	5.0	2.8	3.2	9.2	79.8	70.3	4.5	4.7	59.1	80.6
New Zealand	887	41.6	2.8	6.2	0.0	0.7	13.8	3.3	1.8	29.7	51.3	41.6	11.9	17.9	34.4	49.2
Norway	1268	56.2	6.7	2.2	0.7	0.2	5.5	1.2	1.1	26.2	66.0	56.2	15.3	10.8	47.1	65.3
Russian Federation	1153	55.9	0.5	5.8	0.3	0.3	1.5	0.9	0.6	34.2	62.8	55.9	26.0	8.2	50.1	65.3
Slovenia	708	8.8	6.6	11.0	5.3	4.7	2.1	21.7	0.9	38.8	36.5	8.8	19.2	19.6	7.6	10.1
South Africa	1392	9.8	2.5	1.3	0.2	1.2	16.3	10.0	4.2	54.4	15.1	9.8	37.2	17.2	8.1	12.0
Sweden	1422	59.3	6.8	2.9	0.4	0.8	6.9	3.1	0.8	19.0	70.2	59.3	9.6	9.4	55.0	63.5
Switzerland	1489	48.5	4.3	3.3	0.5	0.5	4.8	3.8	2.5	31.8	57.2	48.5	19.4	12.4	39.3	55.8
United States	2683	38.8	3.4	3.1	0.5	0.0	15.2	6.7	2.5	29.7	45.9	38.8	11.9	17.8	34.5	43.1
INTERNATIONAL AVG	.	36.7	3.9	4.1	0.6	1.5	7.6	4.7	1.6	39.3	46.8	36.7	22.1	17.2	31.8	42.3

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: C20  
 TEMPERATURE OF WATER IN KETTLE (Science Literacy)  
 Difficulty: 646

COUNTRY	N	20	21	29	10	11	19	70	71	72	73	76	79	90	99	V1	V2	NOT	1.GIRL	2.BOY		
																		REACH			ED	OMIT
Australia	912	29.0	2.1	0.4	2.1	1.2	0.5	7.2	15.6	4.6	5.2	0.5	6.9	0.2	24.4	35.3	31.5	19.2	5.2	28.7	35.1	
Austria	880	24.4	0.5	0.0	0.1	2.9	2.2	10.6	17.7	13.2	7.3	0.6	1.5	0.9	18.1	30.1	24.9	12.0	6.0	22.5	30.3	
Canada	2427	28.5	1.5	1.3	1.4	2.5	2.0	3.8	14.0	4.3	5.6	0.5	9.5	0.4	24.8	37.2	31.3	18.5	6.3	29.5	33.6	
Cyprus	249	10.0	0.0	30.3	9.8	1.2	0.7	0.4	0.7	1.1	0.8	0.0	2.9	0.4	41.5	52.1	40.4	31.9	9.6	34.6	46.2	
Czech Republic	967	14.4	0.8	3.5	3.1	1.9	0.9	17.3	9.9	6.1	9.5	1.4	3.4	0.3	27.4	24.6	18.7	21.0	6.4	18.5	19.0	
Denmark	1313	22.3	1.5	1.3	0.9	3.0	4.8	2.9	3.6	2.4	6.4	0.2	7.4	0.4	42.7	33.9	25.2	24.5	18.2	20.0	31.9	
France	794	15.0	0.9	0.4	0.8	3.7	1.6	6.8	7.6	8.8	8.8	1.8	6.2	0.4	37.3	22.4	16.3	24.1	13.1	13.5	19.2	
Germany	1105	22.7	3.0	0.7	0.9	1.9	2.0	4.5	13.5	4.6	8.4	2.2	3.7	1.2	30.8	31.2	26.4	22.9	7.9	28.0	25.8	
Greece	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Hungary	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Iceland	866	26.1	2.2	0.8	1.1	1.0	4.4	5.7	9.5	6.0	3.0	0.0	3.5	2.8	33.9	35.6	29.1	22.2	11.6	24.5	34.8	
Israel	532	13.7	1.1	2.1	2.4	1.3	1.1	1.9	15.2	7.3	8.1	0.2	1.5	0.8	43.2	21.8	16.9	37.2	6.0	17.9	17.4	
Italy	792	17.7	1.2	0.7	1.1	2.0	0.7	3.9	6.8	9.5	9.9	1.1	2.6	0.6	42.3	23.3	19.6	30.9	11.4	17.9	21.4	
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Lithuania	1448	16.2	4.0	0.3	2.8	17.2	0.9	1.7	4.1	2.5	5.7	0.3	4.1	0.1	40.2	41.2	20.4	34.2	6.0	19.3	22.7	
Netherlands	742	46.7	1.1	1.2	0.4	6.1	1.8	9.5	7.6	4.3	6.8	0.3	7.5	0.7	5.9	57.3	49.0	4.6	1.2	42.7	54.9	
New Zealand	887	35.3	4.8	0.1	0.5	1.2	2.2	4.0	16.2	7.9	4.4	0.2	4.6	0.4	18.1	44.1	40.1	12.7	5.4	35.3	45.3	
Norway	1268	41.2	5.2	0.2	1.3	2.9	1.8	2.5	7.2	5.5	4.7	0.0	4.2	1.2	22.1	52.6	46.6	15.6	6.4	40.8	52.5	
Russian Federation	1153	22.9	1.8	0.6	2.4	6.6	1.1	5.2	3.8	3.6	6.7	1.3	4.3	3.5	36.2	35.4	25.4	26.8	9.4	19.4	34.9	
Slovenia	708	6.1	11.3	0.1	3.5	4.0	0.8	20.7	1.2	11.4	5.0	2.3	5.0	0.1	28.5	25.8	17.5	22.2	6.3	17.6	17.6	
South Africa	1392	6.0	0.2	1.1	0.3	0.5	0.2	4.3	7.9	9.8	6.5	0.3	15.5	1.1	46.2	8.3	7.3	38.5	7.7	6.7	8.1	
Sweden	1423	42.6	2.6	0.8	1.0	3.6	3.2	2.2	10.9	5.2	5.0	0.0	7.2	0.3	15.4	53.8	45.9	9.8	5.6	40.6	51.0	
Switzerland	1489	18.6	4.7	0.8	1.1	3.4	5.1	8.2	10.8	5.9	6.2	1.8	6.8	1.0	25.6	33.6	24.1	19.8	5.8	19.4	27.7	
United States	2683	16.9	1.2	0.6	1.6	2.1	1.0	6.9	22.9	10.4	8.8	1.3	9.3	0.4	16.7	23.4	18.7	12.4	4.2	15.3	22.1	
INTERNATIONAL AVG	.	22.7	2.5	2.2	1.8	3.3	1.9	6.2	9.9	6.4	6.3	0.8	5.6	0.8	29.6	34.4	27.4	22.0	7.6	24.4	31.0	

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: C21  
 BLOOD TYPES (Science Literacy)  
 Difficulty: 767

COUNTRY	N	20	21	10	11	12	13	19	70	71	72	79	90	99	V1	V2	NOT	OMIT	1.GIRL	2.BOY	
																	REACH		% Right	% Right	
Australia	912	5.2	3.1	5.7	4.0	4.5	17.5	6.1	0.1	0.2	0.4	18.0	0.1	35.0	46.1	8.3	21.5	13.4	11.5	4.4	
Austria	880	5.6	23.5	0.6	5.7	2.7	8.3	9.2	3.8	0.2	0.8	12.7	3.9	23.0	55.6	29.0	13.7	9.3	31.5	25.6	
Canada	2427	6.6	5.9	3.2	10.9	4.9	11.3	4.9	2.1	0.1	0.3	17.5	1.4	30.9	47.7	12.4	20.8	10.0	15.5	9.4	
Cyprus	249	7.4	5.4	7.3	9.2	2.1	0.8	4.1	2.5	0.4	0.0	10.4	0.4	49.9	36.4	12.8	33.9	16.0	9.6	15.8	
Czech Republic	970	4.1	9.6	1.7	14.3	1.6	8.5	9.7	1.2	0.5	0.2	9.9	1.5	37.1	49.5	13.7	23.6	13.5	13.9	13.5	
Denmark	1313	1.2	1.2	0.8	0.7	2.6	7.5	9.7	0.6	0.0	1.6	21.0	1.2	51.8	23.7	2.4	34.3	17.5	2.4	2.5	
France	794	12.1	8.1	4.5	19.7	2.0	3.5	3.6	0.5	0.5	0.0	6.9	2.0	36.6	53.4	20.1	27.6	9.0	20.3	20.0	
Germany	1105	3.6	4.0	1.3	3.5	5.0	4.5	9.6	1.1	1.0	2.5	13.1	4.7	46.2	31.4	7.6	26.8	19.4	11.6	4.6	
Greece	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Hungary	2601	4.6	9.2	6.4	10.2	0.9	2.1	1.2	0.8	0.7	0.5	9.1	0.7	53.7	34.6	13.8	47.5	6.2	17.1	10.7	
Iceland	865	7.9	5.3	2.3	4.1	6.5	6.9	13.2	0.7	0.2	1.3	16.0	2.1	33.4	46.3	13.2	26.1	7.3	15.8	10.5	
Israel	532	6.0	5.6	3.8	9.4	6.6	7.5	6.2	2.8	0.8	0.6	2.1	0.9	47.7	45.1	11.7	38.3	9.4	15.0	9.1	
Italy	792	2.9	5.5	1.7	18.2	1.3	4.0	3.9	0.8	1.8	1.5	9.0	0.2	49.2	37.5	8.3	36.0	13.3	10.0	6.4	
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Lithuania	1444	0.9	8.4	0.7	5.9	2.6	10.9	0.3	0.7	0.4	1.7	8.8	1.4	57.4	29.7	9.3	36.7	20.8	10.8	6.6	
Netherlands	742	1.7	4.5	0.4	3.2	4.0	11.6	10.9	2.6	0.1	4.4	36.5	8.4	11.7	36.2	6.1	5.4	6.3	7.1	5.3	
New Zealand	887	2.9	2.2	2.8	7.7	4.7	6.7	0.5	3.7	0.1	2.2	35.5	1.0	30.1	27.5	5.1	14.3	15.8	6.2	3.9	
Norway	1268	3.4	7.8	0.6	14.3	3.0	15.1	3.2	6.9	0.4	2.3	10.2	2.6	30.3	47.3	11.2	18.0	12.3	12.5	9.8	
Russian Federation	1153	3.7	10.1	0.3	4.8	6.0	10.9	4.1	0.7	1.1	1.0	5.0	4.9	47.3	40.0	13.8	32.5	14.8	14.4	13.0	
Slovenia	708	1.5	0.0	0.8	32.0	1.2	4.5	0.9	0.9	0.9	2.0	11.5	2.6	41.3	41.0	1.5	23.7	17.5	1.5	1.3	
South Africa	1391	2.3	1.1	0.2	0.4	0.8	3.5	1.0	1.9	0.3	3.1	32.2	0.8	52.3	9.3	3.4	42.1	10.1	4.4	2.5	
Sweden	1421	2.8	5.2	2.9	11.0	4.3	9.8	7.1	5.2	0.5	1.2	20.8	1.8	27.4	43.1	8.0	12.6	14.8	8.3	7.8	
Switzerland	1489	5.1	5.3	1.3	10.5	5.0	9.3	12.1	1.7	0.2	1.6	13.2	4.4	30.4	48.6	10.4	22.3	8.1	12.5	8.8	
United States	2683	2.3	3.4	2.2	26.6	2.9	7.5	0.4	1.1	0.2	1.4	30.3	1.3	20.3	45.3	5.7	13.3	7.0	6.1	5.3	
INTERNATIONAL AVG	.	4.3	6.1	2.3	10.3	3.4	7.8	5.5	1.9	0.5	1.4	15.9	2.2	38.3	39.8	10.4	26.0	12.4	11.7	8.9	

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: D01 KEY: D  
 NUTRITION OF VEGETABLES (Science Literacy)  
 Difficulty: 337

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	932	1.1	2.7	3.6	89.0	3.6	89.0	0.1	1.5	2.1	90.3	86.9
Austria	898	1.7	1.9	2.5	90.7	3.2	90.7	0.8	1.4	1.1	93.6	87.1
Canada	2405	1.3	2.2	2.9	91.1	2.6	91.1	0.0	1.2	1.4	90.8	91.2
Cyprus	224	0.0	4.8	5.2	84.5	5.5	84.5	0.0	3.2	2.3	85.5	82.6
Czech Republic	929	0.9	1.1	0.5	91.7	5.8	91.7	0.2	3.6	2.0	90.8	92.6
Denmark	1290	0.3	1.0	1.2	93.1	4.4	93.1	0.5	2.3	1.6	93.8	92.1
France	796	3.3	1.7	2.2	86.6	6.2	86.6	0.4	3.4	2.4	90.5	82.1
Germany	1077	0.9	1.2	1.7	86.7	9.5	86.7	3.3	2.5	3.7	84.7	89.1
Greece	.	.	.	.	.	.	.	.	.	.	.	.
Hungary	2489	2.4	1.5	1.2	84.7	10.2	84.7	0.1	6.0	4.1	84.9	84.4
Iceland	836	4.2	0.5	3.4	86.6	5.3	86.6	0.3	2.9	2.1	87.4	86.5
Israel	513	3.9	3.7	7.2	69.6	15.6	69.6	0.0	9.9	5.7	71.6	68.8
Italy	785	3.2	2.1	4.6	82.2	7.9	82.2	0.3	3.8	3.7	87.6	75.5
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.
Lithuania	1437	0.2	1.0	0.8	87.8	10.2	87.8	0.1	6.7	3.4	90.9	82.1
Netherlands	728	4.4	1.8	4.3	88.7	0.8	88.7	0.0	0.6	0.3	88.4	88.9
New Zealand	876	6.1	3.5	2.9	86.3	1.2	86.3	0.1	0.4	0.8	92.2	80.3
Norway	1250	0.4	0.7	2.0	93.2	3.7	93.2	0.0	1.6	2.1	93.5	93.1
Russian Federation	1136	0.8	3.1	1.0	87.8	7.4	87.8	0.1	4.5	2.8	88.2	87.2
Slovenia	679	0.5	0.8	4.2	90.4	4.1	90.4	1.3	1.6	1.3	89.7	91.8
South Africa	1362	9.8	14.9	11.5	54.6	9.2	54.6	0.0	4.1	5.1	56.1	53.6
Sweden	1391	1.5	2.9	3.2	90.3	2.1	90.3	0.4	0.8	0.8	92.0	88.4
Switzerland	1487	2.2	1.4	1.7	91.1	3.7	91.1	1.0	1.9	0.8	91.3	90.8
United States	2688	2.1	5.7	7.4	81.4	3.4	81.4	0.2	1.4	1.8	84.5	78.4
INTERNATIONAL AVG	.	2.3	2.7	3.4	85.8	5.7	85.8	0.4	3.0	2.3	87.2	84.3

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

Item: D02  
 IMPACT OF STONE AND TENNIS BALL (Science Literacy)  
 Difficulty: 528

COUNTRY	N	NOT REACHED											V1	ED	OMIT	1.GIRL		2.BOY	
		10	11	12	13	19	70	72	76	79	90	99				% Right	% Right	% Right	% Right
Australia	932	32.7	18.7	2.2	3.0	15.5	3.3	7.0	0.0	10.0	0.1	7.5	72.2	1.5	6.0	65.3	82.5		
Austria	898	26.8	3.6	0.7	6.8	26.6	11.9	9.4	0.0	6.3	0.9	7.0	64.5	1.5	5.5	55.5	78.3		
Canada	2405	46.0	12.0	0.5	4.0	4.5	8.0	7.4	0.1	9.8	1.1	6.7	66.9	1.7	5.0	62.7	72.0		
Cyprus	223	16.8	3.8	0.7	0.7	4.2	32.9	7.3	0.0	14.1	0.5	19.1	26.1	3.7	15.4	19.3	37.0		
Czech Republic	928	48.1	3.1	0.2	3.9	6.9	6.9	12.9	0.2	10.0	0.4	7.4	62.1	3.8	3.6	49.2	75.0		
Denmark	1290	43.1	9.4	0.4	1.7	15.0	3.8	4.3	0.0	9.6	0.7	12.0	69.7	2.4	9.6	66.1	74.4		
France	796	29.5	7.3	0.4	4.8	5.9	7.5	12.6	1.0	13.9	0.9	16.1	47.9	3.8	12.3	36.4	61.1		
Germany	1074	50.7	3.4	0.2	6.6	4.2	7.6	6.3	0.2	5.2	2.3	13.3	65.0	3.0	10.2	53.5	75.4		
Greece	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.		
Hungary	2489	38.2	13.4	0.1	1.9	0.2	13.0	7.7	0.0	6.3	0.4	18.8	53.8	6.8	12.0	42.4	64.7		
Iceland	836	58.7	8.3	0.9	2.6	2.4	6.0	4.7	0.0	8.3	0.1	8.1	72.9	3.4	4.7	65.9	81.0		
Israel	513	36.6	3.9	0.2	3.3	2.5	6.4	4.3	0.0	12.1	0.8	29.8	46.6	9.9	19.9	37.4	54.0		
Italy	785	28.4	3.1	0.9	4.5	7.6	14.1	7.5	0.7	7.9	0.6	24.8	44.4	4.6	20.2	37.8	52.7		
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.		
Lithuania	1438	18.5	4.8	0.1	0.6	13.2	15.0	5.5	0.3	13.7	0.4	28.0	37.2	7.2	20.8	32.1	46.3		
Netherlands	728	51.2	4.5	1.1	7.2	2.0	16.0	9.0	0.1	6.6	0.4	1.9	66.0	0.6	1.3	58.7	73.0		
New Zealand	876	48.8	13.4	0.7	8.6	5.0	8.9	3.2	0.0	6.9	0.6	4.0	76.4	0.5	3.5	71.0	81.8		
Norway	1250	48.7	7.3	6.2	2.0	1.5	14.3	6.2	0.0	5.2	0.6	7.9	65.7	1.7	6.2	56.4	74.2		
Russian Federation	1136	24.2	6.3	0.5	2.0	2.0	18.0	4.9	0.4	13.4	2.4	25.9	35.0	4.9	21.0	27.3	47.8		
Slovenia	679	41.8	1.9	1.5	3.3	7.8	9.9	13.6	0.1	10.3	0.3	9.5	56.3	1.6	8.0	45.2	66.7		
South Africa	1365	28.8	1.3	0.8	0.7	6.3	27.4	2.4	0.5	12.0	0.2	19.7	37.8	4.6	15.1	31.5	44.4		
Sweden	1390	49.4	10.4	0.6	3.7	3.0	11.9	7.2	0.0	9.8	0.0	4.1	67.0	1.0	3.0	58.9	75.6		
Switzerland	1487	42.6	4.0	0.4	5.3	8.8	9.2	8.9	0.0	12.0	0.6	8.2	61.1	2.3	6.0	52.1	67.4		
United States	2688	41.0	6.2	0.8	4.3	2.0	13.5	4.5	0.1	20.5	0.4	6.7	54.3	1.5	5.2	50.6	58.0		
INTERNATIONAL AVG	.	38.7	6.8	0.9	3.7	6.7	12.1	7.1	0.2	10.2	0.7	13.0	56.8	3.3	9.8	48.9	65.6		

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: D03  
 JOSE'S INFLUENZA (Science Literacy)  
 Difficulty: 475

COUNTRY	N	10	11	12	19	70	79	90	99	V1	NOT	OMIT	1. GIRL	2. BOY
											REACH		% Right	% Right
											ED			
Australia	932	29.6	26.3	3.6	1.5	4.7	17.2	0.1	17.1	61.0	1.8	15.3	63.3	57.4
Austria	898	44.5	36.6	0.0	0.2	11.4	1.4	1.1	4.8	81.3	2.2	2.7	84.9	75.6
Canada	2405	16.5	34.7	11.9	1.3	6.1	9.0	2.5	17.9	64.5	1.8	16.2	62.9	67.3
Cyprus	224	10.9	2.2	6.1	0.5	54.3	6.2	0.5	19.3	19.7	5.5	13.8	23.4	14.7
Czech Republic	929	25.4	11.9	23.5	6.5	24.0	1.3	0.1	7.5	67.2	3.9	3.5	71.5	63.0
Denmark	1289	24.9	38.9	15.9	6.4	3.2	2.1	0.1	8.5	86.1	2.8	5.7	87.7	84.7
France	796	24.7	15.0	25.3	3.1	15.4	3.0	0.4	13.1	68.1	3.9	9.2	70.8	65.6
Germany	1075	26.5	14.4	21.9	2.9	17.5	4.0	1.5	11.4	65.6	3.5	7.9	69.7	62.9
Greece	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Hungary	2489	7.4	13.3	46.8	0.2	13.3	1.0	0.0	17.9	67.7	8.2	9.7	69.4	66.2
Iceland	836	40.2	41.6	7.8	1.4	1.3	0.7	0.1	6.8	91.1	3.4	3.4	91.8	91.0
Israel	513	27.5	27.5	12.3	1.2	4.7	0.4	0.2	26.3	68.4	10.7	15.6	69.8	68.8
Italy	785	19.5	12.3	16.6	3.5	21.7	2.8	0.9	22.7	51.8	5.5	17.3	52.0	51.7
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Lithuania	1436	6.3	17.9	24.3	6.2	4.9	21.1	0.4	19.0	54.6	7.7	11.3	55.3	53.2
Netherlands	728	22.9	17.2	26.8	8.8	17.2	4.7	0.4	1.9	75.8	0.6	1.3	82.7	69.2
New Zealand	876	20.6	39.3	13.0	0.8	7.5	7.2	0.4	11.2	73.7	0.5	10.8	80.2	67.0
Norway	1250	31.7	49.7	6.0	0.3	1.4	4.4	0.3	6.3	87.7	1.9	4.4	90.9	84.7
Russian Federation	1136	10.9	39.8	24.8	0.6	9.5	0.4	1.1	12.9	76.1	5.2	7.7	76.7	75.1
Slovenia	679	17.2	4.0	56.6	0.1	7.0	4.9	0.2	10.1	77.8	1.8	8.3	78.7	77.2
South Africa	1365	4.9	7.5	10.6	0.7	18.4	14.4	0.8	42.6	23.7	5.3	37.4	23.5	24.9
Sweden	1391	29.6	35.0	20.9	2.2	4.0	1.7	0.1	6.4	87.7	1.1	5.3	89.3	85.9
Switzerland	1487	36.4	19.8	20.2	1.4	12.4	3.1	0.0	6.7	77.8	3.6	3.1	82.1	74.0
United States	2688	11.8	29.1	17.4	0.8	4.6	16.4	1.7	18.1	59.1	1.5	16.6	64.2	54.1
INTERNATIONAL AVG	.	22.3	24.3	18.7	2.3	12.0	5.8	0.6	14.0	67.6	3.7	10.3	70.0	65.2

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: D04  
 ELECTRICAL ENERGY AND LAMP (Science Literacy)  
 Difficulty: 727

COUNTRY	N	10	11	12	19	70	71	72	73	74	75	79	90	99	V1	NOT	1.GIRL	2.BOY		
																REACH			OMIT	% Right
Australia	932	18.9	0.3	5.4	1.7	12.4	9.4	15.7	13.4	1.0	12.1	0.2	0.0	9.5	26.2	1.9	7.6	17.1	40.1	
Austria	898	19.2	0.9	1.2	0.0	11.6	12.4	15.7	14.2	5.8	9.9	0.1	0.5	8.4	21.4	2.4	6.0	14.1	32.1	
Canada	2405	15.6	0.4	5.3	1.4	16.3	6.7	13.8	10.5	3.4	14.7	2.4	0.2	9.4	22.7	2.3	7.0	16.7	29.8	
Cyprus	224	8.3	0.5	1.9	2.1	8.4	15.1	22.0	16.0	0.0	4.0	0.0	0.0	21.6	12.8	6.4	15.2	11.6	14.9	
Czech Republic	929	12.1	1.1	6.6	2.8	13.1	13.6	9.8	11.9	2.6	3.8	0.6	0.2	21.8	22.6	4.7	17.1	12.0	33.1	
Denmark	1290	11.3	4.0	1.8	2.4	2.7	13.8	12.5	19.2	3.5	5.0	0.9	0.2	22.4	19.6	3.4	19.0	12.9	27.5	
France	796	13.8	0.1	4.5	0.9	9.3	14.4	17.3	13.9	2.9	5.8	1.1	0.4	15.5	19.4	4.2	11.3	13.3	26.5	
Germany	1068	19.0	0.2	2.0	1.6	8.4	12.1	13.7	15.1	2.1	7.2	0.0	2.1	16.6	22.7	4.0	12.6	11.6	32.1	
Greece	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Hungary	2487	12.6	2.0	1.0	0.1	5.8	9.6	9.5	9.6	10.0	0.3	5.5	0.2	33.8	15.8	9.6	24.2	10.7	20.9	
Iceland	836	11.3	1.4	4.4	3.2	13.2	10.4	10.1	13.4	7.5	11.3	0.0	0.3	13.5	20.3	4.1	9.4	13.2	28.4	
Israel	513	10.1	1.8	5.1	1.0	11.5	8.8	11.7	9.9	1.9	2.3	0.0	0.4	35.5	17.9	11.5	24.0	9.5	24.8	
Italy	784	9.4	0.2	4.5	1.6	9.3	12.1	12.5	12.9	4.6	3.6	0.4	0.0	28.9	15.7	6.2	22.7	12.7	19.5	
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Lithuania	1438	6.2	1.7	1.2	2.8	14.3	5.4	6.7	13.7	0.7	2.4	0.8	0.5	43.6	12.0	9.2	34.5	8.5	18.1	
Netherlands	728	32.5	2.5	5.1	1.8	5.5	7.5	14.3	11.5	8.0	7.6	0.3	0.3	3.0	41.9	0.7	2.2	30.0	53.3	
New Zealand	876	19.1	1.0	3.3	0.8	15.5	11.1	15.9	11.9	5.3	12.1	0.1	0.2	3.8	24.2	0.7	3.1	19.9	28.6	
Norway	1250	17.3	0.8	0.9	0.2	11.4	9.7	21.5	10.4	5.4	10.7	0.0	0.6	11.2	19.1	2.6	8.5	9.4	27.9	
Russian Federation	1136	9.4	4.6	0.8	2.9	4.9	13.1	8.7	15.2	2.7	2.7	0.1	0.2	34.7	17.7	6.4	28.3	12.9	25.8	
Slovenia	679	23.4	5.0	5.4	0.8	13.7	13.0	6.6	17.8	1.7	3.4	0.2	0.0	9.0	34.6	2.1	6.9	22.9	46.7	
South Africa	1365	2.3	0.8	1.0	0.8	19.0	7.0	23.0	8.3	2.2	16.3	1.5	0.3	17.5	4.8	6.0	11.5	3.4	6.7	
Sweden	1391	19.7	4.2	5.0	2.0	9.6	8.5	17.8	10.9	5.0	8.6	0.4	0.2	8.1	30.9	1.8	6.4	20.2	41.9	
Switzerland	1487	15.6	2.3	7.6	1.5	10.1	8.6	11.6	10.9	6.7	11.1	1.5	0.5	11.9	27.1	4.1	7.7	16.8	35.1	
United States	2688	8.0	0.4	2.3	0.7	16.8	8.0	21.0	11.6	2.4	21.0	0.6	0.1	7.2	11.3	1.7	5.5	7.8	14.9	
INTERNATIONAL AVG	.	14.3	1.6	3.5	1.5	11.0	10.5	14.1	12.8	3.9	8.0	0.8	0.3	17.6	21.0	4.4	13.2	14.0	28.6	

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: D05A  
 RIVER ON PLAIN/GOOD PLACE FOR FARMING (Science Literacy)  
 Difficulty: 440

COUNTRY	N	10	11	12	19	70	76	79	90	99	V1	NOT	1.GIRL	2.BOY	
												REACH			OMIT
Australia	932	36.2	44.2	3.9	1.7	0.0	0.2	2.1	0.1	11.6	86.0	2.0	9.6	83.7	89.5
Austria	898	35.7	30.9	7.2	1.1	0.0	0.0	6.6	1.4	17.1	74.9	2.9	14.2	77.8	71.9
Canada	2405	38.1	36.4	2.2	5.5	0.0	0.2	3.5	0.0	14.1	82.2	4.2	9.9	79.2	85.4
Cyprus	223	14.2	38.8	0.3	4.5	0.0	0.0	3.3	0.4	38.5	57.8	8.2	30.3	62.5	49.7
Czech Republic	929	24.7	52.8	0.7	1.6	0.1	0.5	2.1	0.7	16.7	79.8	5.7	11.0	77.7	81.9
Denmark	1290	26.0	33.9	1.3	6.0	0.2	1.6	5.5	0.7	24.7	67.2	4.1	20.6	62.9	71.5
France	796	30.9	29.0	0.5	2.4	0.5	2.1	5.1	0.5	29.0	62.8	5.4	23.6	63.5	62.5
Germany	1076	33.2	22.9	0.9	7.2	0.5	0.0	5.6	3.2	26.4	64.2	4.1	22.3	62.0	66.9
Greece	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Hungary	2489	28.1	23.4	4.2	8.5	0.1	0.0	3.6	0.1	31.9	64.2	11.8	20.1	61.4	67.0
Iceland	836	24.5	41.9	4.0	10.3	0.0	0.3	2.0	0.4	16.4	80.8	4.7	11.7	78.8	83.6
Israel	513	23.2	32.2	3.1	3.1	0.0	1.9	0.4	0.6	35.5	61.6	12.7	22.8	55.4	66.8
Italy	785	26.9	33.1	1.4	2.6	0.1	1.1	2.3	0.3	32.2	64.0	7.3	24.9	63.8	64.2
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Lithuania	1438	11.8	29.6	0.6	13.1	0.2	0.4	6.4	0.1	37.8	55.1	10.6	27.2	54.2	56.9
Netherlands	728	58.0	15.4	5.2	2.9	0.8	2.6	9.3	1.3	4.5	81.5	1.0	3.5	83.6	79.5
New Zealand	876	37.9	30.8	9.9	10.6	0.3	0.9	2.4	0.1	7.1	89.2	0.8	6.3	88.5	89.9
Norway	1250	28.8	41.0	2.6	0.3	0.2	0.9	9.1	1.5	15.6	72.8	3.8	11.7	71.6	73.8
Russian Federation	1136	22.2	32.5	2.1	7.2	0.0	0.4	2.7	2.7	30.2	64.0	8.7	21.5	59.1	72.0
Slovenia	679	33.3	43.0	1.1	2.7	0.0	0.3	6.7	0.2	12.8	80.0	2.3	10.5	78.3	82.0
South Africa	1365	18.7	37.7	3.4	1.9	0.0	5.8	8.6	0.5	23.4	61.6	6.6	16.8	63.8	59.4
Sweden	1391	42.0	37.9	0.4	2.7	0.1	0.9	4.8	0.0	11.2	83.1	2.2	9.0	81.4	84.7
Switzerland	1487	34.7	29.6	8.3	5.7	1.0	0.2	3.2	0.9	16.7	78.2	4.9	11.7	76.3	79.3
United States	2688	34.5	29.5	4.4	2.1	0.6	5.4	14.4	0.5	8.5	70.6	1.9	6.6	73.3	68.0
INTERNATIONAL AVG	.	30.2	33.9	3.1	4.7	0.2	1.2	5.0	0.7	21.0	71.9	5.3	15.7	70.9	73.0

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: D05B  
 RIVER ON PLAIN/BAD PLACE FOR FARMING (Science Literacy)  
 Difficulty: 558

COUNTRY	N	10	11	19	70	71	72	73	76	79	90	99	V1	NOT	OMIT	1.GIRL	2.BOY
														REACH		% Right	% Right
														ED			
Australia	932	57.8	8.4	3.6	0.2	0.1	2.6	6.2	0.0	6.2	0.0	15.1	69.7	2.8	12.3	64.1	78.1
Austria	898	40.9	2.6	4.1	2.8	0.0	6.4	4.2	0.0	7.0	3.1	29.0	47.6	3.7	25.2	45.6	52.5
Canada	2405	50.1	5.2	7.7	0.5	0.3	1.6	5.3	0.1	10.1	0.5	18.5	63.0	5.3	13.1	59.1	67.4
Cyprus	223	12.0	2.6	1.7	1.9	1.9	5.2	9.8	0.0	10.5	0.5	53.9	16.3	8.2	45.8	16.5	16.3
Czech Republic	929	38.4	4.1	4.5	0.5	0.9	1.9	6.6	1.0	8.8	1.0	32.2	47.0	6.4	25.8	39.5	54.5
Denmark	1290	37.1	3.1	4.3	0.9	1.1	0.6	11.1	0.2	10.8	0.5	30.2	44.5	4.8	25.5	40.7	48.8
France	796	35.0	1.5	3.7	0.2	0.0	1.7	8.3	1.6	5.9	1.2	41.0	40.2	6.9	34.1	38.6	42.1
Germany	1076	39.5	3.2	4.3	1.0	0.1	1.1	1.9	0.2	6.4	3.9	38.4	47.0	4.5	33.9	44.6	50.2
Greece	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Hungary	2489	30.1	16.5	3.4	0.8	0.5	0.9	0.4	0.0	8.4	0.4	38.4	50.1	12.9	25.5	47.1	52.7
Iceland	836	26.4	3.8	11.0	0.0	0.0	2.9	13.6	0.6	11.8	2.0	27.8	41.2	5.4	22.4	37.0	46.2
Israel	513	28.8	11.7	2.5	0.0	0.0	2.1	3.3	4.3	5.1	1.0	41.1	43.1	13.5	27.7	41.0	45.2
Italy	785	26.0	1.0	1.7	0.3	0.2	1.5	7.9	0.9	5.0	0.7	54.8	28.6	8.2	46.6	27.9	29.5
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Lithuania	1438	39.9	0.7	5.5	0.2	0.1	2.3	1.4	0.0	2.1	0.1	47.6	46.1	11.2	36.4	43.9	50.5
Netherlands	728	69.4	0.5	2.1	0.4	0.4	1.1	9.1	0.8	7.3	1.9	7.0	72.0	1.3	5.7	73.6	70.5
New Zealand	876	72.2	3.1	2.6	1.7	0.1	2.7	4.9	0.0	4.8	0.4	7.6	77.8	1.1	6.5	75.5	80.1
Norway	1250	37.5	8.6	5.7	0.3	0.5	1.6	10.9	0.1	11.4	2.7	20.7	51.8	4.1	16.6	50.8	52.7
Russian Federation	1136	34.3	3.1	3.6	0.1	0.0	0.8	9.7	1.8	4.0	1.5	40.9	41.1	9.2	31.7	36.5	48.7
Slovenia	679	53.1	0.5	4.2	0.0	0.0	0.1	1.9	0.1	19.2	0.5	20.4	57.8	2.6	17.8	57.6	57.7
South Africa	1365	23.3	5.5	3.1	0.2	1.0	3.7	5.9	8.3	17.4	0.2	31.5	31.8	7.1	24.4	32.6	31.3
Sweden	1391	48.7	4.4	9.1	0.2	0.3	0.5	5.1	0.1	10.7	0.9	20.0	62.2	2.5	17.5	60.6	63.5
Switzerland	1487	46.2	3.4	7.1	0.4	0.6	4.8	5.4	0.3	6.2	3.2	22.5	56.6	5.1	17.4	52.5	59.7
United States	2688	57.8	6.5	3.8	0.2	0.4	1.5	3.7	1.0	12.5	1.4	11.1	68.2	2.1	9.0	68.2	68.1
INTERNATIONAL AVG	.	41.1	4.5	4.5	0.6	0.4	2.2	6.2	1.0	8.7	1.3	29.5	50.2	5.9	23.7	47.9	53.0

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: D06 KEY: B  
 ESTIMATE OF TIME TO FILL TANK (Mathematics Literacy)  
 Difficulty: 487

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	932	6.4	71.3	8.8	8.0	5.5	71.3	0.0	2.8	2.7	67.9	76.5
Austria	898	4.6	75.1	8.1	6.6	5.5	75.1	0.2	4.0	1.3	74.1	78.2
Canada	2405	4.7	68.4	9.8	7.5	9.6	68.4	0.1	6.3	3.2	62.1	74.9
Cyprus	224	11.5	44.2	16.1	12.0	16.2	44.2	0.0	8.4	7.8	45.6	42.1
Czech Republic	928	9.2	53.8	8.6	11.0	17.4	53.8	0.1	7.6	9.6	48.7	59.0
Denmark	1289	2.1	81.4	4.1	3.0	9.4	81.4	0.1	5.1	4.1	76.5	87.1
France	796	7.0	72.2	5.4	4.6	10.8	72.2	0.1	7.8	2.9	66.8	78.3
Germany	1077	5.0	70.6	5.9	8.2	10.3	70.6	0.3	4.6	5.4	60.1	80.4
Greece	.	.	.	.	.	.	.	.	.	.	.	.
Hungary	2489	6.5	55.5	8.6	6.4	23.1	55.5	0.0	14.2	8.9	55.2	55.9
Iceland	833	7.1	70.5	4.9	6.6	10.9	70.5	0.0	6.6	4.3	64.6	78.2
Israel	513	6.4	51.3	15.4	6.4	20.5	51.3	0.0	13.6	6.8	43.7	57.2
Italy	785	6.6	56.4	9.5	11.9	15.5	56.4	0.4	9.5	5.7	52.0	61.8
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.
Lithuania	1436	6.6	49.3	8.4	9.9	25.9	49.3	0.0	11.7	14.1	47.5	52.4
Netherlands	728	3.9	80.5	7.0	7.0	1.7	80.5	0.0	1.3	0.4	75.7	85.0
New Zealand	876	4.9	70.9	9.8	11.5	2.9	70.9	0.1	1.1	1.7	67.2	74.6
Norway	1250	4.1	72.3	6.7	6.1	10.8	72.3	0.0	4.7	6.1	65.5	78.4
Russian Federation	1136	6.6	50.5	7.4	11.0	24.5	50.5	0.1	10.2	14.2	46.5	57.0
Slovenia	679	4.9	68.3	11.9	5.5	9.4	68.3	0.1	2.9	6.4	58.3	78.8
South Africa	1364	21.8	28.9	17.7	19.8	11.8	28.9	0.0	7.5	4.3	26.4	31.4
Sweden	1391	3.6	79.0	5.6	6.5	5.3	79.0	0.0	2.6	2.7	73.5	84.8
Switzerland	1487	3.5	77.7	5.7	3.7	9.3	77.7	0.2	5.5	3.6	71.7	83.1
United States	2688	9.8	60.7	14.3	11.0	4.1	60.7	0.0	2.2	1.9	59.3	62.0
INTERNATIONAL AVG	.	6.7	64.0	9.1	8.4	11.8	64.0	0.1	6.4	5.4	59.5	69.0

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

Item: D07 KEY: A  
 CALORIES IN FOOD PORTION (Mathematics Literacy)  
 Difficulty: 451

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	932	71.3	12.6	3.1	6.4	1.1	5.5	71.3	0.0	3.4	2.2	70.1	73.2
Austria	898	78.1	12.7	1.7	1.4	0.8	5.3	78.1	0.3	4.0	1.0	81.8	73.8
Canada	2405	73.2	11.8	2.9	1.4	0.8	10.1	73.2	0.0	7.6	2.4	70.8	75.7
Cyprus	224	65.5	11.2	6.4	3.0	0.9	13.0	65.5	0.0	8.4	4.5	66.4	64.5
Czech Republic	928	61.2	20.9	2.5	1.5	0.6	13.2	61.2	0.7	8.3	4.2	59.2	63.3
Denmark	1290	75.3	12.3	1.4	1.7	0.4	8.9	75.3	0.0	6.0	2.8	70.9	80.7
France	796	80.0	6.5	1.8	1.5	0.3	9.9	80.0	0.0	8.2	1.8	80.6	78.9
Germany	1077	73.8	12.7	1.9	1.7	0.1	9.7	73.8	1.1	5.0	3.5	70.9	76.5
Greece	.	.	.	.	.	.	.	.	.	.	.	.	.
Hungary	2489	59.5	13.8	3.0	1.9	0.4	21.4	59.5	0.0	16.1	5.3	61.0	57.8
Iceland	836	75.0	11.5	1.6	0.6	0.1	11.1	75.0	0.0	7.7	3.4	73.8	77.6
Israel	513	58.9	14.4	5.5	1.9	1.6	17.7	58.9	0.0	14.0	3.7	54.1	63.6
Italy	785	71.0	7.9	3.6	1.7	1.3	14.5	71.0	0.2	10.2	4.1	72.4	69.2
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.	.
Lithuania	1438	67.4	10.3	2.9	0.9	1.2	17.3	67.4	0.0	12.8	4.6	72.1	58.4
Netherlands	728	84.4	9.8	1.7	1.8	0.5	1.8	84.4	0.0	1.4	0.4	82.7	86.1
New Zealand	876	74.6	14.9	6.0	2.0	0.2	2.4	74.6	0.0	1.4	0.9	73.5	75.7
Norway	1250	72.3	13.6	1.9	1.1	0.7	10.3	72.3	0.0	6.1	4.2	68.8	75.5
Russian Federation	1136	71.2	8.1	3.2	0.9	0.2	16.4	71.2	0.0	11.3	5.1	73.7	67.0
Slovenia	679	75.2	13.0	3.5	1.3	1.1	5.9	75.2	0.0	3.6	2.3	75.0	75.8
South Africa	1363	45.3	14.1	12.2	7.7	9.5	11.2	45.3	0.1	8.5	2.7	44.5	46.8
Sweden	1391	74.2	14.7	3.6	1.5	1.1	4.9	74.2	0.1	3.0	1.9	70.0	78.4
Switzerland	1487	79.4	10.0	1.2	0.5	0.0	8.9	79.4	0.4	6.6	1.8	80.9	78.1
United States	2688	67.6	16.9	5.8	3.8	2.2	3.8	67.6	0.0	2.5	1.2	67.6	67.6
INTERNATIONAL AVG	.	70.7	12.4	3.5	2.1	1.1	10.1	70.7	0.1	7.1	2.9	70.0	71.1

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

Item: D08 KEY: B  
 GRAPES PRODUCED PER SEASON (Mathematics Literacy)  
 Difficulty: 531

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	932	13.6	61.0	13.7	3.6	8.1	61.0	0.0	3.5	4.6	58.2	65.4
Austria	898	9.8	63.3	14.9	2.8	9.2	63.3	0.2	4.1	5.0	57.5	73.1
Canada	2405	12.3	54.9	16.3	3.2	13.4	54.9	0.1	8.3	5.0	46.5	64.7
Cyprus	224	11.4	40.8	23.3	4.3	20.2	40.8	0.0	9.2	11.1	39.9	43.0
Czech Republic	928	11.0	46.1	15.7	5.0	22.4	46.1	0.5	8.9	13.0	41.1	50.9
Denmark	1290	8.3	70.1	6.8	1.3	13.4	70.1	0.0	6.5	7.0	62.7	78.2
France	796	6.7	61.6	14.8	1.3	15.6	61.6	0.0	8.3	7.3	57.4	65.8
Germany	1077	9.3	53.9	14.6	3.7	18.5	53.9	0.2	6.1	12.2	46.9	60.6
Greece	.	.	.	.	.	.	.	.	.	.	.	.
Hungary	2489	8.3	48.4	11.8	1.9	29.5	48.4	0.0	17.3	12.2	45.4	50.9
Iceland	836	8.5	55.9	14.3	4.4	17.0	55.9	0.0	8.8	8.2	49.8	63.3
Israel	513	9.6	46.4	16.8	3.5	23.8	46.4	0.2	14.4	9.2	40.1	53.2
Italy	785	14.2	49.9	9.6	1.7	24.7	49.9	0.4	11.0	13.3	47.6	52.7
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.
Lithuania	1438	9.5	48.5	7.2	1.8	33.0	48.5	0.0	13.3	19.7	48.2	48.8
Netherlands	728	13.5	66.8	15.2	2.0	2.6	66.8	0.0	1.4	1.2	57.1	76.0
New Zealand	876	15.5	58.3	18.2	3.6	4.4	58.3	0.2	1.8	2.4	57.3	59.2
Norway	1250	5.9	59.9	14.4	2.9	16.9	59.9	0.0	6.9	9.9	49.8	69.1
Russian Federation	1136	8.7	52.1	9.3	2.9	26.9	52.1	0.0	12.5	14.5	52.5	51.6
Slovenia	679	9.3	64.3	10.7	2.2	13.5	64.3	0.0	4.1	9.4	54.2	75.6
South Africa	1364	20.7	25.3	21.2	18.5	14.3	25.3	0.0	8.9	5.4	23.2	27.9
Sweden	1390	9.7	57.9	19.4	3.3	9.8	57.9	0.0	3.2	6.5	50.2	65.8
Switzerland	1487	7.2	69.5	7.6	1.3	14.4	69.5	0.0	7.1	7.3	63.7	73.7
United States	2688	14.4	50.3	21.9	6.5	7.0	50.3	0.1	2.6	4.3	48.7	51.8
INTERNATIONAL AVG	.	10.8	54.8	14.4	3.7	16.3	54.8	0.1	7.6	8.6	49.9	60.1

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

Item: D09 KEY: A  
 PRICE OF STEREO AFTER DISCOUNT (Mathematics Literacy)  
 Difficulty: 450

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	932	80.6	7.1	5.1	1.1	6.0	80.6	0.0	4.2	1.8	76.8	86.3
Austria	897	83.6	8.6	1.8	0.7	5.4	83.6	0.1	4.6	0.7	84.2	83.6
Canada	2405	75.1	8.0	4.7	0.9	11.4	75.1	0.0	9.3	2.0	69.1	82.5
Cyprus	224	64.5	10.2	8.0	3.8	13.5	64.5	0.0	9.6	3.9	65.6	63.4
Czech Republic	929	50.8	21.3	5.1	4.8	17.9	50.8	0.1	10.0	7.9	47.2	54.5
Denmark	1290	85.4	3.9	0.5	0.6	9.5	85.4	0.0	7.6	1.9	84.0	86.9
France	796	80.6	5.3	1.7	1.0	11.5	80.6	0.0	9.4	2.1	80.0	80.9
Germany	1077	76.7	9.5	3.2	0.5	10.1	76.7	0.4	7.4	2.2	70.5	82.2
Greece	.	.	.	.	.	.	.	.	.	.	.	.
Hungary	2489	60.0	11.9	2.3	2.3	23.4	60.0	0.0	18.8	4.6	60.2	60.0
Iceland	836	78.4	7.4	1.2	0.9	12.0	78.4	0.0	9.7	2.3	74.8	83.2
Israel	513	62.4	9.4	7.0	3.1	18.1	62.4	0.0	15.0	3.1	59.0	66.0
Italy	785	65.9	12.2	4.8	1.1	16.0	65.9	0.0	12.0	4.0	66.0	65.7
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.
Lithuania	1437	57.1	11.1	9.2	1.4	21.3	57.1	0.0	15.2	6.0	56.3	58.4
Netherlands	728	90.4	4.5	2.5	0.4	2.2	90.4	0.0	1.8	0.4	86.1	94.4
New Zealand	876	79.8	10.3	4.5	2.2	3.3	79.8	0.1	2.6	0.6	75.7	84.0
Norway	1250	78.1	10.4	0.7	0.6	10.2	78.1	0.0	7.9	2.3	75.9	80.1
Russian Federation	1136	56.8	12.8	7.3	1.8	21.3	56.8	0.2	14.2	6.8	54.2	61.1
Slovenia	679	78.8	10.8	2.6	0.9	7.0	78.8	0.0	4.9	2.1	73.5	85.1
South Africa	1365	29.2	22.1	23.5	12.9	12.3	29.2	0.0	9.7	2.5	25.6	34.2
Sweden	1391	86.4	6.0	1.3	1.5	4.8	86.4	0.0	4.1	0.7	85.5	87.1
Switzerland	1487	83.4	1.7	1.6	1.2	12.1	83.4	0.0	8.6	3.5	82.8	83.6
United States	2688	65.0	16.3	12.3	2.2	4.2	65.0	0.0	2.8	1.3	67.1	63.0
INTERNATIONAL AVG	.	71.3	10.0	5.0	2.1	11.5	71.3	0.0	8.6	2.9	69.1	73.9

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

Item: D10 KEY: C  
 AREA OF SHADED REGION (Mathematics Literacy)  
 Difficulty: 507

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	932	3.5	7.6	68.4	13.1	1.7	5.8	68.4	0.1	4.4	1.3	69.2	67.2
Austria	897	5.6	9.8	62.7	11.2	4.2	6.4	62.7	0.1	5.0	1.3	61.9	64.0
Canada	2405	2.3	9.2	64.5	9.3	2.3	12.4	64.5	0.0	10.4	2.1	62.9	66.4
Cyprus	224	5.7	8.4	54.3	12.6	4.7	14.4	54.3	0.0	10.6	3.9	54.7	53.7
Czech Republic	929	19.1	8.2	46.7	7.8	3.0	15.1	46.7	0.0	10.5	4.6	45.8	47.7
Denmark	1290	0.3	6.1	78.2	4.9	0.4	10.0	78.2	0.0	7.9	2.1	77.2	78.8
France	796	3.1	9.6	59.9	11.3	3.6	12.4	59.9	0.2	9.6	2.7	57.3	63.3
Germany	1077	5.4	7.9	60.7	10.1	5.2	10.8	60.7	0.1	7.5	3.2	61.0	60.9
Greece	.	.	.	.	.	.	.	.	.	.	.	.	.
Hungary	2489	2.9	8.1	54.1	9.0	2.3	23.6	54.1	0.0	19.8	3.7	54.0	54.0
Iceland	836	1.0	8.5	70.7	5.7	0.8	13.4	70.7	0.1	10.2	3.0	70.9	71.5
Israel	513	5.3	12.9	46.4	12.9	3.7	18.9	46.4	0.2	15.4	3.3	41.9	50.8
Italy	784	4.6	6.5	57.9	11.7	2.2	17.1	57.9	0.0	12.6	4.5	56.8	59.2
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.	.
Lithuania	1438	3.7	7.0	56.0	6.6	1.6	25.1	56.0	0.0	15.7	9.4	59.6	49.0
Netherlands	728	1.4	8.0	75.1	10.0	2.9	2.6	75.1	0.0	2.0	0.6	74.8	75.4
New Zealand	876	1.1	8.6	73.4	11.6	1.3	4.0	73.4	0.1	2.7	1.1	73.2	73.6
Norway	1250	2.0	10.7	64.8	8.4	2.3	11.8	64.8	0.0	8.5	3.3	62.7	66.7
Russian Federation	1136	3.5	15.3	43.3	11.2	3.9	22.8	43.3	0.0	15.3	7.4	43.5	42.9
Slovenia	679	5.0	7.8	65.7	12.6	1.9	6.9	65.7	0.0	5.0	1.9	62.6	69.1
South Africa	1365	21.2	13.1	24.4	13.8	14.4	13.1	24.4	0.1	10.2	2.9	23.0	26.3
Sweden	1391	2.5	9.0	70.5	10.4	2.3	5.3	70.5	0.0	4.3	1.0	69.2	71.6
Switzerland	1487	2.1	9.6	65.4	8.1	1.8	13.0	65.4	0.0	10.4	2.6	63.0	66.8
United States	2688	6.3	19.9	54.0	11.1	4.9	3.7	54.0	0.0	3.0	0.7	54.4	53.6
INTERNATIONAL AVG	.	4.9	9.6	59.9	10.2	3.2	12.2	59.9	0.0	9.1	3.0	59.1	60.6

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



Item: D11 KEY: E  
 AMOUNT OF RIBBON NEEDED (Mathematics Literacy)  
 Difficulty: 575

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	932	7.5	17.2	7.2	10.9	50.8	6.3	50.8	0.1	4.5	1.8	50.8	50.9
Austria	897	6.0	10.6	8.0	16.0	51.8	7.6	51.8	0.4	5.2	2.0	48.9	57.7
Canada	2405	9.3	11.4	8.7	12.0	44.7	13.9	44.7	0.0	11.9	1.9	39.3	51.1
Cyprus	224	8.8	15.4	17.7	16.0	21.6	20.5	21.6	0.5	11.0	9.0	17.9	27.7
Czech Republic	929	12.5	16.1	5.5	10.5	38.4	17.0	38.4	0.2	11.1	5.7	35.9	40.9
Denmark	1290	4.2	11.7	2.5	11.5	58.1	12.0	58.1	0.1	8.5	3.4	54.0	61.9
France	796	3.9	11.6	7.4	12.0	48.3	16.8	48.3	0.0	9.9	6.9	41.8	55.5
Germany	1077	5.6	10.6	10.4	15.3	45.7	12.4	45.7	0.0	7.8	4.6	41.8	49.3
Greece	.	.	.	.	.	.	.	.	.	.	.	.	.
Hungary	2489	7.4	14.3	6.4	10.1	31.6	30.2	31.6	0.0	21.1	9.1	30.8	32.0
Iceland	836	2.5	10.2	5.5	11.6	54.4	15.8	54.4	0.1	11.4	4.3	49.2	60.7
Israel	513	9.6	17.5	8.0	11.9	32.6	20.5	32.6	0.0	15.6	4.9	30.2	36.8
Italy	785	8.6	12.2	8.9	14.3	33.5	22.7	33.5	0.1	13.2	9.4	31.2	36.2
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.	.
Lithuania	1438	3.8	9.3	5.9	12.9	42.0	26.0	42.0	0.0	17.9	8.1	44.0	38.0
Netherlands	728	3.6	8.6	7.7	14.7	61.6	3.8	61.6	0.0	2.1	1.6	51.3	71.4
New Zealand	876	6.2	11.6	8.9	10.4	58.9	4.0	58.9	0.0	3.2	0.8	52.8	65.1
Norway	1250	4.0	12.7	7.6	14.3	47.3	14.1	47.3	0.0	9.1	4.9	41.6	52.5
Russian Federation	1136	4.0	8.6	7.0	7.7	48.1	24.5	48.1	0.0	16.8	7.7	45.9	51.7
Slovenia	679	5.7	14.5	7.7	12.8	50.6	8.7	50.6	0.0	5.2	3.5	42.8	59.1
South Africa	1363	35.1	15.5	11.8	8.3	14.1	15.1	14.1	0.0	10.9	4.3	13.0	15.4
Sweden	1391	4.4	12.1	5.7	12.4	57.3	8.0	57.3	0.0	4.7	3.3	53.6	60.9
Switzerland	1487	3.9	8.9	3.0	10.0	59.0	15.2	59.0	0.0	11.4	3.8	55.5	61.2
United States	2688	17.1	18.9	13.5	13.7	32.0	4.9	32.0	0.0	3.0	1.9	31.1	32.8
INTERNATIONAL AVG	.	7.9	12.7	8.0	12.3	44.7	14.5	44.7	0.1	9.8	4.7	41.1	48.6

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

Item: D12 KEY: D  
 INCREASE VOLUME CUBE-SHAPED CARTON (Mathematics Literacy)  
 Difficulty: 646

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	932	27.4	14.8	20.5	30.2	7.1	30.2	0.0	4.9	2.1	27.3	34.6
Austria	897	23.9	11.5	19.8	33.3	11.5	33.3	0.3	6.2	5.1	25.3	45.8
Canada	2405	27.2	10.5	17.3	29.0	16.0	29.0	0.1	13.1	2.8	22.4	37.0
Cyprus	.	.	.	.	.	.	.	.	.	.	.	.
Czech Republic	929	30.8	8.0	17.9	20.6	22.8	20.6	0.0	13.0	9.8	17.2	24.0
Denmark	1290	16.7	8.5	16.8	40.7	17.3	40.7	0.0	9.5	7.8	32.8	50.0
France	796	19.0	13.6	16.5	31.3	19.5	31.3	0.0	12.8	6.7	22.3	40.8
Germany	1077	25.9	11.7	19.4	24.7	18.3	24.7	0.0	8.8	9.4	17.1	31.5
Greece	.	.	.	.	.	.	.	.	.	.	.	.
Hungary	2489	19.3	9.4	13.3	23.8	34.3	23.8	0.0	25.0	9.3	22.8	24.8
Iceland	836	17.4	12.2	10.6	41.7	18.1	41.7	0.0	13.4	4.7	33.8	50.7
Israel	513	18.5	23.6	12.9	21.4	23.6	21.4	0.0	16.6	7.0	15.8	27.2
Italy	785	21.7	10.2	14.3	26.8	27.0	26.8	0.0	17.9	9.1	25.1	28.8
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.
Lithuania	1438	16.7	5.1	15.4	29.0	33.8	29.0	0.0	20.3	13.4	28.1	30.3
Netherlands	728	16.6	11.7	18.3	49.7	3.8	49.7	0.0	2.7	1.1	41.9	57.2
New Zealand	876	24.4	11.7	21.5	36.3	6.0	36.3	0.8	3.6	1.6	31.9	40.9
Norway	1250	26.6	12.8	16.1	25.3	19.2	25.3	0.0	10.7	8.5	18.0	31.9
Russian Federation	1136	14.7	8.3	16.3	30.4	30.3	30.4	0.0	18.7	11.6	28.5	33.5
Slovenia	679	16.8	12.8	17.3	41.9	11.1	41.9	0.0	6.2	4.9	31.9	52.6
South Africa	1365	28.7	13.4	35.9	6.4	15.5	6.4	0.0	12.1	3.4	5.0	8.3
Sweden	1391	17.0	18.0	13.1	41.4	10.6	41.4	0.0	6.1	4.6	33.0	49.9
Switzerland	1487	17.3	8.1	14.0	42.4	18.3	42.4	0.0	13.5	4.8	37.0	45.7
United States	2688	26.9	24.0	25.2	16.7	7.2	16.7	0.0	3.6	3.6	16.6	16.9
INTERNATIONAL AVG	.	21.6	12.4	17.7	30.6	17.7	30.6	0.1	11.4	6.3	25.4	36.3

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

Item: D13 KEY: A  
 PERCENTAGE OF VOTES JOE RECEIVED (Mathematics Literacy)  
 Difficulty: 488

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	932	74.1	9.0	7.2	3.3	6.4	74.1	0.0	5.6	0.9	71.9	77.3
Austria	898	68.9	7.3	9.4	5.0	9.4	68.9	0.1	7.0	2.3	66.0	74.7
Canada	2405	70.2	6.4	7.0	1.5	14.9	70.2	0.1	13.6	1.2	66.3	74.3
Cyprus	223	45.1	15.9	14.8	7.2	16.9	45.1	0.0	11.1	5.8	48.3	40.3
Czech Republic	929	50.4	8.9	14.2	3.9	22.5	50.4	0.0	14.4	8.1	48.7	52.2
Denmark	1290	70.9	8.5	5.2	1.3	14.1	70.9	0.0	11.4	2.6	64.3	78.3
France	796	68.5	8.1	4.6	1.9	16.9	68.5	0.2	14.0	2.8	63.5	74.5
Germany	1077	63.4	8.1	9.2	3.5	15.8	63.4	0.1	9.7	6.1	58.7	68.1
Greece	.	.	.	.	.	.	.	.	.	.	.	.
Hungary	2489	49.8	6.2	8.1	2.9	33.0	49.8	0.0	27.6	5.4	49.8	50.0
Iceland	836	70.4	6.3	4.8	1.2	17.3	70.4	0.0	14.6	2.7	65.5	76.9
Israel	513	52.6	11.1	11.1	4.1	21.1	52.6	0.2	17.2	3.7	47.7	58.8
Italy	785	54.0	7.5	11.2	4.9	22.5	54.0	0.0	19.3	3.2	52.9	55.5
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.
Lithuania	1438	53.0	4.3	6.8	3.4	32.5	53.0	0.0	23.1	9.4	53.4	52.2
Netherlands	728	79.9	8.3	6.8	1.9	3.1	79.9	0.0	2.8	0.3	72.8	86.6
New Zealand	876	77.7	9.1	7.0	1.6	4.7	77.7	0.0	4.1	0.5	77.0	78.4
Norway	1250	67.6	8.8	6.4	1.7	15.6	67.6	0.0	12.0	3.6	58.8	75.5
Russian Federation	1136	51.8	3.6	7.8	9.1	27.7	51.8	0.0	20.2	7.6	50.0	54.9
Slovenia	679	72.6	7.3	8.5	2.8	8.9	72.6	0.0	6.7	2.2	68.5	77.8
South Africa	1365	42.6	8.7	16.8	16.5	15.3	42.6	0.0	12.9	2.4	39.7	45.2
Sweden	1390	75.8	7.7	6.1	1.4	9.0	75.8	0.0	7.4	1.6	73.5	78.0
Switzerland	1487	70.4	5.9	3.7	2.1	17.9	70.4	0.0	14.6	3.3	68.0	71.9
United States	2688	62.1	11.6	17.3	4.0	4.9	62.1	0.0	3.8	1.1	59.3	64.9
INTERNATIONAL AVG	.	63.3	8.1	8.8	3.9	15.9	63.3	0.0	12.4	3.5	60.2	66.6

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

Item: D14 KEY: C  
 NUMBER OF DEFECTIVE LIGHT BULBS (Mathematics Literacy)  
 Difficulty: 478

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	932	3.2	6.5	73.5	4.2	5.3	7.4	73.5	0.0	5.7	1.7	73.0	74.4
Austria	898	4.4	4.3	73.0	2.9	5.1	10.3	73.0	0.1	7.3	2.9	70.0	77.9
Canada	2405	1.8	4.5	70.0	2.5	5.4	15.8	70.0	0.1	14.0	1.7	66.1	74.9
Cyprus	223	5.7	9.3	52.2	6.5	6.9	19.3	52.2	0.0	11.1	8.2	56.4	45.9
Czech Republic	929	6.4	3.3	62.8	2.7	5.3	19.4	62.8	0.1	15.2	4.1	62.5	63.2
Denmark	1290	1.4	2.3	72.6	1.8	6.2	15.7	72.6	0.1	12.2	3.4	64.5	82.0
France	796	2.7	2.4	72.6	2.4	2.3	17.7	72.6	0.0	15.0	2.7	69.7	76.3
Germany	1077	3.0	6.7	66.0	4.7	4.2	15.5	66.0	0.4	10.7	4.3	59.1	72.3
Greece	.	.	.	.	.	.	.	.	.	.	.	.	.
Hungary	2489	3.1	3.6	52.4	2.8	3.5	34.6	52.4	0.0	29.1	5.5	50.6	54.0
Iceland	834	3.5	2.0	68.2	2.7	4.1	19.3	68.2	0.0	15.4	3.9	63.4	74.8
Israel	513	2.7	8.8	57.1	5.5	4.5	21.4	57.1	0.2	18.7	2.5	50.9	63.6
Italy	785	3.8	4.1	60.0	3.1	5.2	23.8	60.0	0.0	20.2	3.6	58.7	61.6
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.	.
Lithuania	1438	2.6	2.9	53.7	3.0	3.0	34.7	53.7	0.0	24.5	10.2	54.7	52.1
Netherlands	728	1.1	2.8	84.8	2.4	5.6	3.2	84.8	0.0	2.8	0.4	80.2	89.2
New Zealand	876	3.3	7.0	76.5	2.9	5.0	5.2	76.5	0.0	4.5	0.7	71.1	82.1
Norway	1250	2.3	4.2	67.4	3.6	5.0	17.4	67.4	0.0	13.0	4.4	61.8	72.5
Russian Federation	1136	2.9	4.6	56.8	3.2	5.0	27.5	56.8	0.0	21.5	6.0	54.5	60.5
Slovenia	679	3.5	3.9	77.0	2.6	3.0	10.2	77.0	0.3	7.2	2.7	71.3	82.7
South Africa	1365	11.3	8.8	34.0	13.8	14.8	17.3	34.0	0.0	13.3	3.9	34.3	33.8
Sweden	1389	2.0	3.6	76.8	3.5	4.3	9.8	76.8	0.0	7.9	1.9	74.5	79.1
Switzerland	1487	2.2	2.1	72.4	1.7	2.9	18.7	72.4	0.0	15.2	3.5	69.2	74.5
United States	2688	5.2	8.0	61.9	10.4	8.8	5.7	61.9	0.0	3.9	1.8	62.0	61.8
INTERNATIONAL AVG	.	3.6	4.8	65.5	4.0	5.2	16.8	65.5	0.1	13.1	3.6	62.7	68.6

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

Item: D15A  
 KELLY/MAXIMUM SPEED OF CAR (Mathematics Literacy)  
 Difficulty: 435

COUNTRY	N	10	19	79	90	99	V1	NOT	OMIT	1.GIRL	2.BOY
								REACH		% Right	% Right
								ED			
Australia	932	88.4	0.0	1.5	0.0	10.1	88.4	6.1	4.0	88.6	88.1
Austria	898	84.4	0.0	2.3	0.8	12.5	84.4	8.0	4.5	84.4	85.8
Canada	2405	79.6	0.0	1.7	0.1	18.6	79.6	14.7	3.9	76.8	82.4
Cyprus	223	53.8	0.0	7.1	0.8	38.3	53.8	13.0	25.3	56.2	51.5
Czech Republic	929	65.8	0.0	3.2	0.3	30.7	65.8	15.7	15.0	70.1	61.5
Denmark	1290	78.0	0.0	3.1	0.0	19.0	78.0	13.2	5.8	71.9	84.9
France	796	71.3	0.1	1.5	0.2	26.9	71.3	16.1	10.9	71.7	70.2
Germany	1075	74.3	0.0	2.6	0.9	22.2	74.3	12.1	10.2	70.6	78.2
Greece	.	.	.	.	.	.	.	.	.	.	.
Hungary	2489	55.8	0.0	0.8	0.0	43.3	55.8	31.7	11.6	52.9	58.2
Iceland	835	73.8	0.0	3.3	0.0	22.9	73.8	17.9	5.0	72.9	75.7
Israel	513	63.5	0.0	1.0	0.2	35.3	63.5	19.3	16.0	58.6	68.0
Italy	785	61.9	0.0	1.1	0.0	37.0	61.9	22.4	14.6	60.2	64.0
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.
Lithuania	1438	61.2	0.0	1.2	0.0	37.6	61.2	26.3	11.3	62.7	58.3
Netherlands	728	91.4	0.0	3.8	0.5	4.3	91.4	2.9	1.3	91.1	91.7
New Zealand	876	91.1	0.0	1.8	0.0	7.1	91.1	5.0	2.1	89.5	92.7
Norway	1250	77.8	0.0	2.3	0.6	19.3	77.8	14.5	4.8	73.1	82.1
Russian Federation	1136	61.7	0.0	2.6	0.2	35.5	61.7	24.1	11.4	60.7	63.4
Slovenia	679	79.9	0.0	1.3	0.1	18.7	79.9	8.2	10.5	72.8	86.5
South Africa	1365	59.6	0.0	13.1	0.1	27.2	59.6	14.2	13.0	58.5	61.1
Sweden	1391	84.6	0.0	1.2	0.1	14.0	84.6	8.8	5.2	83.9	85.3
Switzerland	1487	74.7	0.0	0.9	0.5	23.9	74.7	17.1	6.9	74.0	75.0
United States	2688	84.5	0.0	5.8	0.3	9.3	84.5	4.5	4.8	85.6	83.5
INTERNATIONAL AVG	.	73.5	0.0	2.9	0.3	23.4	73.5	14.4	9.0	72.1	74.9

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: D15B  
 KELLY/TIME SLAMMED ON BRAKES (Mathematics Literacy)  
 Difficulty: 512

COUNTRY	N	10	70	71	72	79	90	99	V1	NOT	OMIT	1.GIRL	2.BOY
										REACH		% Right	% Right
Australia	932	67.5	7.8	0.2	4.5	9.5	0.0	10.5	67.5	9.0	1.4	64.3	72.4
Austria	898	65.0	4.4	0.3	6.2	10.5	1.0	12.6	65.0	8.9	3.8	61.7	70.1
Canada	2405	67.3	5.3	0.4	1.0	7.0	0.0	19.0	67.3	16.9	2.1	61.2	73.8
Cyprus	223	33.2	5.8	0.0	1.0	16.1	0.0	43.9	33.2	25.1	18.8	32.5	35.1
Czech Republic	929	46.8	15.0	0.2	0.3	7.0	0.3	30.4	46.8	21.3	9.1	44.2	49.4
Denmark	1290	67.5	5.2	0.4	4.4	3.5	0.0	19.0	67.5	15.5	3.5	59.0	77.0
France	796	65.3	2.7	0.2	1.9	2.9	0.1	27.1	65.3	19.8	7.3	65.5	64.2
Germany	1074	61.8	3.9	1.1	2.7	6.1	1.3	23.1	61.8	17.1	6.1	54.7	68.4
Greece	.	.	.	.	.	.	.	.	.	.	.	.	.
Hungary	.	.	.	.	.	.	.	.	.	.	.	.	.
Iceland	835	62.9	3.9	0.5	6.3	3.7	0.1	22.7	62.9	20.5	2.2	57.7	69.5
Israel	513	48.0	4.5	0.2	1.0	10.7	0.2	35.5	48.0	28.3	7.2	41.0	54.0
Italy	785	47.2	8.2	0.1	1.4	6.3	0.0	36.8	47.2	31.6	5.3	44.1	50.9
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.	.
Lithuania	1438	47.3	3.7	0.3	2.3	6.5	0.4	39.6	47.3	30.6	9.0	46.3	48.8
Netherlands	728	82.6	5.3	0.7	3.2	3.9	0.0	4.3	82.6	3.2	1.1	80.6	84.6
New Zealand	876	74.3	9.4	0.1	2.2	6.4	0.1	7.5	74.3	7.1	0.4	71.5	77.1
Norway	1250	64.8	4.9	0.8	4.2	4.9	0.7	19.7	64.8	17.4	2.3	58.7	70.2
Russian Federation	1136	45.8	7.2	0.7	1.3	8.6	0.2	36.2	45.8	31.3	4.9	44.7	47.6
Slovenia	679	62.3	7.9	0.3	2.1	8.1	0.0	19.3	62.3	14.0	5.3	54.3	70.4
South Africa	1365	18.8	13.3	0.1	0.2	38.9	0.1	28.6	18.8	24.9	3.6	13.9	24.3
Sweden	1391	69.4	5.9	0.2	3.1	6.5	0.2	14.6	69.4	11.8	2.8	62.2	77.0
Switzerland	1487	62.0	4.6	0.7	4.6	3.5	0.7	24.0	62.0	20.4	3.6	59.0	63.8
United States	2688	67.2	11.0	0.3	2.1	9.9	0.4	9.1	67.2	6.9	2.2	64.0	70.4
INTERNATIONAL AVG	.	58.4	6.7	0.4	2.7	8.6	0.3	23.0	58.4	18.2	4.9	54.3	62.8

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: D16A  
 TOTAL TIME FOR SONGS TO PLAY/ESTIMATE (Mathematics Literacy)  
 Difficulty: 600

COUNTRY	N	10	11	70	71	72	73	79	90	99	V1	NOT	1.GIRL	2.BOY	
												REACH			OMIT
												ED			
Australia	932	33.1	15.7	0.8	2.4	6.1	0.6	26.2	0.4	14.6	48.8	9.4	5.2	47.5	50.8
Austria	898	38.3	9.1	0.0	2.6	7.1	0.1	32.2	0.1	10.6	47.4	9.1	1.5	50.7	43.1
Canada	2405	32.7	11.7	1.2	3.9	7.1	1.4	21.2	0.1	20.7	44.4	17.2	3.5	39.3	49.9
Cyprus	223	11.8	0.5	0.0	0.8	6.2	0.0	33.4	0.0	47.4	12.3	27.9	19.4	10.7	14.9
Czech Republic	928	16.1	5.6	0.1	1.7	20.8	1.6	29.3	0.1	24.7	21.7	21.4	3.3	22.1	21.4
Denmark	1290	18.7	5.8	0.0	0.6	10.4	0.9	42.5	0.0	21.1	24.6	15.7	5.4	21.1	28.4
France	796	17.0	5.2	0.0	0.5	21.0	0.2	30.0	0.3	25.8	22.2	20.3	5.5	16.9	28.0
Germany	1076	28.2	7.7	0.4	1.5	7.8	1.0	31.9	0.5	21.1	35.9	17.4	3.7	27.6	42.8
Greece	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Hungary	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Iceland	836	34.4	21.2	0.8	4.8	2.4	0.6	9.3	0.2	26.4	55.5	20.6	5.8	52.3	60.0
Israel	513	13.1	4.5	0.2	0.6	11.1	0.6	36.5	0.0	33.5	17.5	28.5	5.1	15.8	18.8
Italy	785	17.5	8.7	1.3	2.2	9.7	0.3	15.9	1.0	43.4	26.2	32.0	11.4	24.3	28.5
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Lithuania	1438	10.5	1.8	0.1	0.7	24.8	0.0	26.0	0.2	35.9	12.3	31.0	4.9	11.8	13.2
Netherlands	728	42.3	7.2	0.3	2.7	11.0	0.2	31.1	0.4	4.7	49.5	3.5	1.2	39.2	59.3
New Zealand	876	45.7	13.8	1.8	3.7	6.1	0.6	16.2	0.6	11.3	59.6	7.5	3.9	57.2	61.9
Norway	1250	36.5	15.3	1.2	3.6	5.0	0.9	15.0	0.4	22.0	51.8	17.7	4.3	45.2	57.8
Russian Federation	1136	23.7	4.8	0.3	2.5	11.7	0.5	17.4	0.1	38.9	28.5	31.5	7.4	27.2	30.7
Slovenia	679	62.3	2.0	2.6	7.0	1.0	0.2	3.1	0.3	21.4	64.3	14.4	7.0	55.5	73.6
South Africa	1365	10.2	2.4	2.2	1.3	8.3	0.0	33.7	0.1	41.7	12.6	26.3	15.4	10.6	15.4
Sweden	1390	54.0	14.5	0.3	6.0	1.3	0.4	6.6	0.0	17.0	68.5	12.3	4.7	63.9	73.2
Switzerland	1487	37.6	5.7	1.0	1.4	9.4	0.4	19.2	0.5	24.8	43.3	20.6	4.1	41.4	45.2
United States	2688	26.7	14.7	0.8	3.1	11.5	1.7	28.1	0.6	12.7	41.4	7.0	5.7	40.9	42.0
INTERNATIONAL AVG	.	29.1	8.5	0.7	2.6	9.5	0.6	24.0	0.3	24.8	37.5	18.6	6.1	34.3	40.9

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better  
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Item: D16B  
 TOTAL TIME FOR SONGS TO PLAY/EXPLANATION (Mathematics Literacy)  
 Difficulty: 635

COUNTRY	N	10	11	12	13	19	70	71	79	90	99	V1	NOT	OMIT	1.GIRL	2.BOY
													REACH		% Right	% Right
													ED			
Australia	932	6.6	1.8	17.6	6.7	11.6	1.9	0.5	28.7	0.5	24.3	44.2	11.8	12.5	44.3	44.0
Austria	898	7.3	0.0	14.4	1.4	8.9	1.5	0.5	35.3	2.4	28.4	32.0	10.3	18.1	31.4	33.4
Canada	2405	9.1	2.0	18.2	6.5	7.9	0.9	1.2	25.3	1.1	27.9	43.6	18.9	9.0	40.9	46.9
Cyprus	184	1.1	0.0	1.7	1.1	0.0	0.6	1.5	12.3	1.1	80.5	4.0	40.6	39.9	3.6	4.8
Czech Republic	929	0.9	0.0	3.7	1.2	4.0	0.7	0.3	54.7	0.7	33.9	9.7	23.3	10.6	11.1	8.3
Denmark	1290	6.1	5.9	1.2	2.7	3.9	3.8	1.2	42.0	0.6	32.6	19.9	18.4	14.1	16.9	23.1
France	796	1.5	1.3	2.3	9.6	5.5	1.8	0.4	41.0	1.8	34.8	20.2	23.5	11.3	17.0	23.7
Germany	1073	6.9	0.9	10.5	2.1	4.0	1.3	0.1	26.1	3.3	44.8	24.4	19.9	24.9	21.0	27.6
Greece	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Hungary	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Iceland	836	11.2	1.4	8.2	14.9	10.1	1.6	4.2	15.7	1.7	31.1	45.8	23.0	8.1	44.2	48.1
Israel	513	2.7	1.0	7.6	1.4	0.6	1.0	0.8	44.1	0.0	40.9	13.3	30.2	10.7	11.7	14.0
Italy	781	4.6	0.4	11.9	8.8	4.3	1.5	5.4	10.0	1.1	52.1	29.9	38.9	13.2	29.2	30.9
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Lithuania	1438	0.1	0.0	0.2	3.0	2.5	0.0	0.1	45.0	0.7	48.6	5.8	34.2	14.4	6.2	4.9
Netherlands	728	17.1	1.9	17.2	2.4	6.8	2.4	0.7	36.4	2.0	13.2	45.4	4.4	8.8	36.9	53.5
New Zealand	876	6.4	0.8	19.7	6.3	14.5	1.4	1.7	29.8	0.2	19.1	47.7	10.5	8.6	46.3	49.1
Norway	1250	13.6	6.3	9.2	5.4	17.1	2.4	1.6	14.2	1.6	28.6	51.6	20.2	8.4	47.2	55.7
Russian Federation	1136	1.4	0.0	6.9	10.4	5.0	0.6	1.1	24.1	0.9	49.6	23.7	36.6	13.0	23.3	24.4
Slovenia	679	0.3	17.7	0.6	29.2	0.1	0.1	4.7	10.9	0.3	36.0	48.0	19.3	16.8	45.5	50.5
South Africa	1365	0.8	0.0	4.7	2.9	3.3	0.2	0.3	29.1	0.0	58.7	11.7	36.9	21.8	9.0	14.6
Sweden	1390	10.0	2.1	13.6	7.7	21.6	1.7	2.4	16.5	0.2	24.3	55.0	14.5	9.8	54.0	55.5
Switzerland	1487	7.1	1.4	8.1	4.5	18.5	0.8	0.4	23.9	0.9	34.4	39.6	22.8	11.6	38.1	41.1
United States	2688	5.0	1.7	11.3	7.2	2.1	0.7	1.4	47.2	0.8	22.5	27.4	9.4	13.1	28.9	26.0
INTERNATIONAL AVG	.	5.7	2.2	9.0	6.4	7.2	1.3	1.4	29.1	1.0	36.5	30.6	22.3	14.2	28.9	32.4

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Item: D17  
 GRAPH WITH ROBBERIES PER YEAR (Mathematics Literacy)  
 Difficulty: 681

COUNTRY	N	20	21	22	29	10	11	12	14	19	70	71	72	73	79	90	99	V1	V2	NOT	1.GIRL	2.BOY		
																				REACH			ED	OMIT
Australia	932	10.3	11.5	1.7	2.8	1.4	27.6	4.9	2.1	3.2	1.0	5.0	6.1	0.5	3.3	0.0	18.7	65.4	26.3	15.0	3.8	19.1	37.2	
Austria	898	4.4	9.6	3.6	1.7	2.3	11.0	3.6	3.1	7.6	5.8	2.5	3.9	7.5	6.4	1.9	25.1	46.8	19.3	15.8	9.4	15.0	26.2	
Canada	2405	4.9	11.5	4.4	1.8	0.8	22.5	4.2	4.4	2.7	1.4	3.3	2.7	0.3	7.7	0.1	27.5	57.1	22.5	22.0	5.5	16.9	29.2	
Cyprus	223	1.0	2.4	1.7	0.5	0.5	10.3	2.2	0.5	0.0	4.9	11.6	3.4	0.9	3.6	0.0	56.7	18.9	5.5	51.6	5.1	5.2	6.1	
Czech Republic	929	1.2	2.8	1.2	0.6	2.6	13.4	5.1	2.5	2.4	7.9	6.1	6.2	7.4	3.5	0.4	36.8	31.8	5.8	26.8	10.1	4.3	7.2	
Denmark	1290	1.3	20.0	3.2	1.9	1.9	12.6	3.5	5.5	1.9	5.3	2.9	3.8	2.3	4.2	1.0	28.7	51.7	26.3	21.9	6.8	18.4	35.7	
France	796	1.7	15.2	3.9	0.8	2.0	12.4	2.3	6.6	1.4	2.2	3.0	1.8	0.8	1.9	2.9	41.1	46.3	21.6	27.8	13.4	14.6	29.4	
Germany	1076	2.7	15.2	1.1	1.5	3.5	10.6	5.3	4.8	1.8	3.8	1.6	2.8	1.3	3.2	1.4	39.6	46.4	20.5	30.1	9.5	17.2	23.6	
Greece	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Hungary	2489	1.2	2.8	0.2	0.1	1.5	18.7	4.4	0.5	0.4	4.4	6.8	3.0	0.7	2.3	0.2	52.9	29.7	4.3	46.7	6.2	3.2	5.2	
Iceland	831	13.4	20.7	3.9	0.0	1.1	13.6	4.3	4.8	1.2	0.7	1.1	2.1	1.3	1.3	0.2	30.6	62.8	38.0	24.9	5.7	35.3	41.8	
Israel	513	2.1	16.0	0.6	1.0	1.9	6.2	4.3	1.4	0.2	5.5	12.5	5.7	0.2	1.0	0.0	41.5	33.7	19.7	34.3	7.2	14.9	24.8	
Italy	783	3.5	8.0	0.6	0.4	1.4	5.8	2.4	1.7	1.2	2.7	8.4	5.1	1.0	3.2	0.9	53.7	25.1	12.4	43.4	10.3	9.9	15.5	
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Lithuania	1435	0.6	0.7	0.3	0.3	1.9	10.1	2.4	0.5	1.7	11.6	8.0	2.1	5.6	2.8	0.8	50.7	18.5	1.9	40.0	10.7	1.1	3.6	
Netherlands	728	5.3	18.7	4.8	1.0	1.2	8.2	7.1	7.5	2.7	4.2	6.4	18.6	1.0	4.2	1.3	8.0	56.3	29.7	5.8	2.1	25.3	34.0	
New Zealand	876	8.9	13.8	10.0	0.5	0.8	26.7	6.2	3.7	0.7	1.4	3.0	4.3	1.9	1.7	0.0	16.1	71.5	33.3	12.6	3.5	29.8	36.8	
Norway	1237	7.9	16.3	10.0	0.1	1.6	15.1	3.4	4.2	0.2	3.9	1.4	4.1	1.4	1.7	0.6	28.3	58.6	34.2	23.2	5.1	24.6	42.8	
Russian Federation	1136	1.6	4.6	0.4	0.1	2.0	6.7	3.6	0.6	0.4	8.3	8.6	4.3	2.1	2.0	1.6	53.3	19.9	6.7	43.0	10.3	5.2	9.1	
Slovenia	679	0.3	5.3	0.2	0.0	2.6	12.8	4.9	4.1	6.3	6.5	1.6	4.8	0.1	7.2	0.4	42.9	36.6	5.9	23.3	19.6	1.3	10.4	
South Africa	1365	0.2	2.0	1.1	0.0	0.5	5.8	1.7	2.3	1.2	1.1	8.4	8.5	3.9	10.6	0.3	52.4	14.8	3.3	45.9	6.5	3.1	3.6	
Sweden	1390	8.0	17.8	10.7	0.9	2.1	16.4	3.8	4.2	2.2	2.5	1.9	2.8	2.5	3.6	0.1	20.7	66.1	37.5	16.1	4.5	27.8	48.4	
Switzerland	1485	3.5	14.5	3.4	1.8	1.1	15.5	4.4	4.0	1.9	2.9	3.0	2.7	4.0	4.8	1.1	31.5	50.0	23.2	25.9	5.6	20.4	25.7	
United States	2688	1.7	8.4	4.3	0.0	1.6	26.3	6.1	3.6	3.0	2.4	5.5	11.6	1.2	8.6	0.8	14.7	55.1	14.4	12.0	2.7	14.6	14.3	
INTERNATIONAL AVG	.	3.9	10.8	3.2	0.8	1.6	14.0	4.1	3.3	2.0	4.1	5.1	5.0	2.2	4.0	0.7	35.1	43.8	18.7	27.6	7.4	14.9	23.2	

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