

Exhibit 10.2: Example International Item Statistics for a PIRLS 2016 Constructed Response Item

Progress in International Reading Literacy Study – PIRLS 2016 Assessment Results
International Item Review Statistics (Unweighted)

Literary Experience – Oliver and The Griffin (R41013C) Describe why griffin can not do his job
Interpret and Integrate Ideas and Information – 3 Points

Country	Cases	DIFF	DISC	Percentages										Point Biserials			Reliability		Avg. Score		Flags
				P 0	P 1	P 2	P 3	P OM	P NR	PB 0	PB 1	PB 2	PB 3	PB OM	PB NR	RDIFF	N	Agr	Girls	Boys	
Australia	1047	65.4	0.70	10.4	19.0	19.1	46.4	5.1	3.4	-0.43	-0.24	0.06	0.56	-0.35	-0.18	0.33	224	85.3	70.4	60.9	E
Austria	726	49.6	0.61	29.1	6.5	24.6	31.0	8.8	1.9	-0.41	0.01	0.10	0.50	-0.10	0.10	0.33	218	97.2	48.6	50.5	H_F
Azerbaijan	994	14.8	0.48	53.8	10.3	8.4	5.7	21.8	3.4	-0.13	0.17	0.28	0.29	-0.33	-0.12	1.73	231	97.5	15.9	13.8	H_F
Bahrain	860	46.0	0.65	54.8	7.6	10.5	12.5	14.6	7.7	-0.40	0.08	0.29	0.51	-0.22	-0.13	0.88	230	91.6	24.4	19.6	E
Belgium (Flemish)	860	46.0	0.65	54.8	7.6	10.5	12.5	14.6	7.7	-0.40	0.08	0.29	0.51	-0.22	-0.13	0.88	230	91.6	24.4	19.6	E
Belgium (French)	719	38.3	0.59	35.8	9.1	20.7	27.1	15.1	2.9	-0.33	-0.01	0.24	0.43	-0.33	-0.15	0.96	226	93.0	48.8	43.0	E
Bulgaria	742	47.2	0.63	32.8	6.2	26.7	27.3	7.0	5.2	-0.41	-0.05	0.13	0.52	-0.33	-0.13	1.44	201	92.0	39.1	37.4	H_F
Canada	2996	56.3	0.65	38.2	14.3	44.0	5.8	5.8	6.2	-0.47	-0.06	0.07	0.56	-0.30	-0.21	0.78	456	80.7	60.4	52.2	H_F
China	712	42.3	0.66	38.0	9.7	17.7	27.2	7.3	6.2	-0.47	-0.04	0.20	0.53	-0.28	-0.12	0.84	207	96.1	45.6	39.4	H_F
Chinese Taipei	722	48.7	0.64	28.2	4.1	19.0	34.6	14.1	1.7	-0.40	-0.01	0.13	0.52	-0.34	-0.11	1.40	213	97.7	51.2	46.1	H_F
Czech Republic	923	42.2	0.60	31.4	8.2	18.8	26.9	14.6	2.7	-0.29	-0.01	0.18	0.47	-0.41	-0.14	1.38	215	100.0	43.8	40.7	H_F
Denmark	593	47.7	0.59	33.3	8.5	22.3	30.0	5.9	4.9	-0.42	-0.08	0.14	0.48	-0.26	-0.18	1.26	182	86.3	50.8	44.4	H_F
England	849	62.6	0.67	24.2	5.7	13.5	51.7	5.0	2.5	-0.49	-0.05	-0.03	0.61	-0.35	-0.17	0.82	245	94.7	65.2	59.7	H_F
Finland	807	61.4	0.59	22.6	7.2	15.2	48.8	6.1	2.5	-0.39	-0.09	0.00	0.53	-0.34	-0.17	1.11	229	93.9	63.1	59.8	H_F
France	795	42.8	0.65	33.2	6.4	14.2	31.2	15.0	7.7	-0.40	-0.00	0.12	0.57	-0.32	-0.18	0.82	232	96.1	44.1	41.4	H_F
Georgia	954	30.1	0.66	41.4	9.0	24.0	17.5	17.7	8.9	-0.40	-0.00	0.12	0.52	-0.40	-0.22	1.19	206	81.6	33.9	26.3	H_F
Germany	649	49.7	0.67	17.7	20.7	23.0	27.4	11.2	2.3	-0.41	-0.09	0.17	0.51	-0.33	-0.16	1.06	228	90.8	51.3	48.1	H_F
Hong Kong SAR	552	56.4	0.59	19.9	9.6	18.4	40.9	11.2	1.6	-0.30	-0.11	0.11	0.49	-0.36	-0.01	1.25	170	92.4	57.6	55.3	H_F
Iran, Islamic Rep. of	775	31.4	0.70	35.2	14.5	13.2	17.8	19.3	13.5	-0.43	-0.10	0.08	0.52	-0.26	-0.15	0.96	210	94.3	57.1	57.0	H_F
Ireland	735	66.0	0.70	21.8	4.5	18.2	52.4	3.3	9.2	-0.46	-0.01	-0.03	0.53	-0.33	-0.23	0.76	215	92.1	34.1	28.5	E
Israel	660	45.9	0.59	32.1	5.1	16.4	33.2	13.0	2.4	-0.46	0.01	0.22	0.54	-0.36	-0.20	1.14	178	98.3	47.3	44.3	H_F
Kazakhstan	818	51.1	0.64	19.0	24.8	28.5	33.4	4.0	1.3	-0.37	-0.12	0.16	0.47	-0.28	-0.15	0.85	215	97.2	53.7	48.6	H_F
Latvia	702	49.2	0.55	33.4	10.2	18.5	33.4	4.4	1.7	-0.43	-0.06	-0.02	0.52	-0.40	-0.22	1.48	220	99.1	40.0	42.3	H_F
Lithuania	725	41.1	0.58	38.5	5.3	19.2	25.8	9.1	1.8	-0.32	-0.05	0.15	0.43	-0.37	-0.11	1.33	219	99.1	40.0	42.3	H_F
Macao SAR	673	43.7	0.58	31.5	7.2	17.7	22.5	15.5	5.5	-0.32	-0.01	0.15	0.43	-0.37	-0.11	1.33	219	99.1	40.0	42.3	H_F
Malta	604	27.1	0.56	50.4	6.5	11.7	17.2	14.2	3.5	-0.25	-0.02	0.14	0.51	-0.33	-0.16	0.74	151	85.3	29.4	24.8	H_F
Morocco	909	11.5	0.65	55.8	7.7	5.1	37.6	25.8	13.1	-0.31	0.24	0.28	0.50	-0.19	-0.06	1.11	161	96.9	53.6	50.4	H_F
Netherlands	705	52.0	0.58	34.9	7.0	18.1	37.6	2.3	3.0	-0.47	-0.04	0.05	0.52	-0.17	-0.14	1.11	161	96.9	53.6	50.4	H_F
New Zealand	942	56.2	0.68	31.3	5.5	13.5	45.4	4.4	5.0	-0.52	-0.06	0.09	0.58	-0.32	-0.24	0.72	248	94.8	61.0	51.1	H_F
Northern Ireland	608	58.4	0.58	28.0	5.2	15.9	46.1	4.9	1.8	-0.39	-0.10	-0.02	0.54	-0.29	-0.18	1.02	174	100.0	60.2	56.7	H_F
Norway	719	59.3	0.61	22.9	7.5	21.9	42.2	5.5	2.1	-0.38	-0.14	0.35	0.54	-0.34	-0.17	1.13	213	96.7	62.4	56.4	H_F
Oman	1546	16.6	0.66	57.3	11.7	8.2	7.2	15.5	8.5	-0.45	-0.21	0.35	0.49	-0.15	-0.13	0.97	210	91.9	20.3	13.0	H_F
Poland	725	60.2	0.59	14.1	13.8	33.8	33.1	5.2	1.2	-0.40	-0.04	0.12	0.51	-0.27	-0.22	1.12	183	83.1	63.0	57.8	H_F
Portugal	763	43.0	0.59	38.3	3.4	19.4	28.9	10.0	8.3	-0.39	-0.04	0.12	0.51	-0.27	-0.16	1.14	235	98.7	44.2	41.6	H_F
Qatar	1497	26.6	0.72	50.6	8.8	12.1	15.6	12.9	6.9	-0.52	-0.05	0.29	0.58	-0.17	-0.12	0.98	224	97.3	29.7	23.2	H_F
Russian Federation	771	44.1	0.54	42.4	6.1	17.1	30.7	3.8	1.4	-0.39	-0.08	0.07	0.49	-0.22	-0.09	1.72	199	98.5	28.8	17.5	H_F
Saudi Arabia	766	23.3	0.63	39.3	21.3	12.8	8.7	7.7	18.9	10.1	-0.31	0.10	0.40	-0.33	-0.10	0.89	239	100.0	70.4	65.9	H_F
Singapore	1081	68.0	0.68	22.1	2.1	16.6	56.2	2.9	0.9	-0.40	0.01	0.14	0.58	-0.23	-0.10	1.11	225	99.6	45.1	47.1	H_F
Slovak Republic	910	46.1	0.59	37.6	5.4	18.9	34.2	8.3	3.3	-0.41	-0.06	0.12	0.47	-0.34	-0.19	1.11	225	99.6	50.6	48.4	H_F
Slovenia	748	49.6	0.64	31.3	6.4	4.8	19.5	6.0	2.6	-0.41	-0.06	0.13	0.53	-0.34	-0.14	1.11	225	99.6	50.6	48.4	H_F
Spain	2427	52.4	0.60	30.7	4.7	23.4	35.2	6.0	2.6	-0.41	-0.06	0.13	0.48	-0.32	-0.14	1.11	225	99.6	50.6	48.4	H_F
Sweden	748	58.8	0.60	25.6	4.2	15.5	47.1	7.7	4.3	-0.39	-0.06	0.06	0.52	-0.35	-0.19	1.10	182	94.5	59.2	58.3	H_F
Trinidad and Tobago	702	36.3	0.67	43.5	6.9	14.0	24.6	11.0	9.3	-0.48	0.02	0.16	0.58	-0.24	-0.23	0.85	196	89.3	37.7	34.7	H_F
United Arab Emirates	2750	30.0	0.71	51.0	5.7	11.4	20.5	11.3	5.8	-0.52	0.08	0.23	0.59	-0.22	-0.16	0.85	687	88.4	32.0	28.1	H_F
United States	795	63.0	0.65	24.6	6.6	16.3	49.9	2.5	4.7	-0.53	-0.12	0.03	0.56	-0.23	-0.24	0.76	197	94.4	65.8	60.3	H_F
Reference Avg. (23)	20012	50.1	0.63	30.3	7.9	17.2	36.0	8.6	4.1	-0.41	-0.05	0.10	0.53	-0.31	-0.15	1.07	5079	94.5	52.1	48.2	H_F
International Avg. (47)	43784	45.8	0.63	33.0	8.2	17.3	31.5	9.7	4.4	-0.40	-0.03	0.14	0.51	-0.30	-0.15	1.03	10863	94.0	47.9	43.6	H_F
Buenos Aires, Argentina	720	34.3	0.60	39.0	7.5	8.9	25.9	18.7	11.4	-0.32	0.01	0.13	0.54	-0.31	-0.26	0.84	200	95.0	33.6	35.0	H_F
Ontario, Canada	708	56.4	0.69	27.3	9.2	14.3	43.9	5.4	7.9	-0.52	-0.06	0.04	0.60	-0.29	-0.25	0.64	108	81.5	61.3	51.5	H_F
Quebec, Canada	526	58.4	0.61	25.1	7.5	15.0	45.8	6.5	3.6	-0.42	-0.09	0.07	0.53	-0.32	-0.08	1.14	103	84.5	62.3	54.3	H_F
Norway (4)	734	47.4	0.59	24.3	9.6	23.0	27.3	13.4	7.6	-0.34	-0.04	0.15	0.46	-0.33	-0.26	0.98	219	97.7	60.7	55.2	H_F
Moscow City, Russian Fed.	714	58.0	0.54	29.6	3.4	22.8	41.6	2.5	0.2	-0.38	-0.14	-0.02	0.50	-0.26	-0.09	1.09	208	84.6	19.3	13.7	H_F
Eng/Air/Zulu - RSA (5)	874	16.6	0.68	67.5	12.6	7.4	7.4	5.0	9.2	-0.52	0.17	0.32	0.51	-0.15	-0.09	0.79	208	96.0	47.1	46.8	H_F
Andalusia, Spain	688	47.0	0.60	35.3	3.0	24.5	29.6	3.5	3.3	-0.39	-0.04	0.11	0.46	-0.36	-0.16	1.01	200	98.0	47.1	46.8	H_F
Madrid, Spain	636	57.9	0.62	28.5	2.4	24.6	40.6	3.8	1.7	-0.50	0.02										