

APPENDIX B: ITEM DISTRACTOR ANALYSES

Table B.1. Distractor Analysis: Grade 3 Reading

Item UIN	Item Seq No.	Item Type	n-Count	Mean	SD	Distractor Distribution					Distractor/Total Correlation ¹			
						1	2	3	4	Omit	1	2	3	4
100000213631	1	MC	943	0.76	0.43	9.97	7.21	76.25	6.26	0.32	-0.22	-0.12		-0.18
100000213633	2	MC	943	0.85	0.35	4.98	3.39	6.04	85.47	0.11	-0.17	-0.21	-0.22	
100000360182	3	MC	943	0.44	0.50	12.94	43.90	11.13	31.81	0.21	-0.12		-0.16	-0.06
100000101513	4	MC	943	0.58	0.49	27.57	57.69	14.53		0.21	-0.02		-0.22	
100000101514	5	MC	943	0.67	0.47	25.56	7.42	66.81		0.21	-0.30	-0.05		
100000360183	6	MC	943	0.60	0.49	60.45	21.31	17.82		0.42		-0.12	-0.13	
100000101516	7	MC	943	0.42	0.49	34.68	23.33	41.89		0.11	0.06	-0.17		
100000101517	8	MC	943	0.31	0.46	21.42	31.50	46.87		0.21	-0.08		-0.13	
100000101518	9	MC	943	0.58	0.49	18.56	22.91	58.11		0.42	-0.14	-0.10		
100000260445	10	MC	943	0.57	0.50	56.52	26.30	16.76		0.42		-0.13	-0.27	
100000260442	11	MC	943	0.43	0.50	43.37	33.09	23.12		0.42		-0.10	-0.21	
100000260444	12	MC	943	0.61	0.49	24.92	13.47	61.19		0.42	-0.21	-0.17		
100000260449	13	MC	943	0.37	0.48	25.24	36.59	37.75		0.42	-0.12		0.06	
100000260451	14	MC	943	0.44	0.50	27.68	27.68	44.22		0.42	-0.14	-0.02		
100000260443	15	MC	943	0.38	0.49	38.18	30.01	31.18		0.64		-0.07	-0.19	
100000260452	16	MC	943	0.35	0.48	18.66	34.57	46.34		0.42	-0.18		0.01	
100000402934	17	MC	943	0.42	0.49	34.25	23.44	41.89		0.42	-0.06	-0.14		
100000450388	18	MC	943	0.38	0.49	45.28	37.75	16.54		0.42	0.11		-0.28	
100000402933	19	MC	943	0.32	0.47	31.60	28.84	39.13		0.42		-0.10	-0.02	
100000402936	20	MC	943	0.30	0.46	29.80	25.77	44.01		0.42		-0.05	0.00	
100000402931	21	MC	943	0.26	0.44	34.15	25.77	39.45		0.64	-0.02		-0.12	
100000450390	22	MC	943	0.54	0.50	54.08	24.18	21.10		0.64		-0.14	-0.25	
100000402925	23	MC	943	0.81	0.39	4.56	13.57	81.34		0.53	-0.21	-0.26		
100000101932	24	MC	943	0.66	0.47	65.96	20.68	12.94		0.42		-0.07	-0.29	
100000101934	25	MC	943	0.49	0.50	22.48	28.53	48.57		0.42	-0.22	-0.09		
100000101936	26	MC	943	0.54	0.50	29.48	16.22	53.98		0.32	-0.09	-0.18		
100000101937	27	MC	943	0.66	0.47	66.07	17.50	16.01		0.42		-0.14	-0.27	
100000101938	28	MC	943	0.50	0.50	18.56	50.16	30.75		0.53	-0.18		-0.20	
100000346452	29	MC	943	0.59	0.49	18.88	21.53	58.96		0.64	-0.17	-0.14		
100000346444	30	MC	943	0.43	0.50	43.27	25.45	30.75		0.53		-0.10	-0.21	
100000346450	31	MC	943	0.77	0.42	7.53	14.85	77.09		0.53	-0.19	-0.28		
100000346445	32	MC	943	0.51	0.50	51.11	15.27	33.19		0.42		-0.18	-0.22	
100000346448	33	MC	943	0.51	0.50	12.09	51.01	36.48		0.42	-0.21		-0.10	
100000402982	34	MC	943	0.54	0.50	29.80	16.12	53.66		0.42	-0.11	-0.09		
100000402985	35	MC	943	0.68	0.47	15.59	16.01	67.97		0.42	-0.07	-0.16		
100000402981	36	MC	943	0.20	0.40	37.12	20.47	42.10		0.32	0.04		0.00	
100000447714	37	MC	943	0.59	0.49	59.38	15.27	25.03		0.32		-0.23	-0.06	
100000447678	38	MC	943	0.35	0.48	15.80	35.21	48.67		0.32	-0.15		-0.08	
100000402983	39	MC	943	0.61	0.49	13.47	24.92	61.29		0.32	-0.19	-0.14		

Table B.1. Distractor Analysis: Grade 3 Reading (Cont.)

Item UIN	Item Seq No.	Item Type	n-Count	Mean	SD	Distractor Distribution					Distractor/Total Correlation ¹			
						1	2	3	4	Omit	1	2	3	4
100000402976	40	MC	943	0.63	0.48	63.31	11.13	25.13		0.42		-0.13	-0.29	
100000101905	41	MC	943	0.76	0.43	6.57	16.44	76.25		0.74	-0.19	-0.16		
100000101907	42	MC	943	0.48	0.50	47.83	32.45	18.98		0.74		-0.21	-0.18	
100000101908	43	MC	943	0.67	0.47	11.45	67.02	20.78		0.74	-0.21		-0.31	
100000101909	44	MC	943	0.55	0.50	55.25	11.24	32.87		0.64		-0.21	-0.32	
100000101911	45	MC	943	0.67	0.47	10.71	66.81	21.53		0.95	-0.23		-0.22	
100000405685	46	MC	943	0.34	0.47	34.25	54.61	10.71		0.42		0.05	-0.23	
100000405684	47	MC	943	0.28	0.45	18.98	28.31	52.28		0.42	-0.11		-0.10	
100000447386	48	MC	943	0.50	0.50	49.63	21.63	28.31		0.42		-0.14	-0.08	
100000405683	49	MC	943	0.55	0.50	21.21	23.33	54.93		0.53	-0.05	-0.11		
100000405686	50	MC	943	0.39	0.49	38.81	35.31	25.34		0.53		-0.01	-0.21	
100000405680	51	MC	943	0.69	0.46	9.12	22.06	68.50		0.32	-0.20	-0.19		
100000405681	52	MC	943	0.62	0.49	61.61	11.13	26.72		0.53		-0.20	-0.19	
100000260349	53	MC	943	0.22	0.42	22.27	45.28	32.03		0.42		0.00	-0.15	
100000260338	54	MC	943	0.63	0.48	18.98	63.41	17.07		0.53	-0.12		-0.11	
100000260342	55	MC	943	0.59	0.49	16.44	24.60	58.54		0.42	-0.24	-0.08		
100000260345	56	MC	943	0.32	0.47	29.80	31.60	38.18		0.42	-0.05		-0.12	
100000260339	57	MC	943	0.60	0.49	60.13	10.71	28.53		0.64		-0.20	-0.18	

Note: 1. Empty cell indicates the correct answer for the particular item. Point biserial (Item-to-Total Correlation) for the correct answer will be the same as the one shown in item analysis in Section 3.2.

2. Percent distribution by distractors may not add to 100 because of rounding

Table B.2. Distractor Analysis: Grade 4 Reading

Item UIN	Item Seq No.	Item Type	n-Count	Mean	SD	Distractor Distribution					Distractor/Total Correlation ¹			
						1	2	3	4	Omit	1	2	3	4
100000213644	1	MC	1345	0.34	0.47	33.61	25.80	40.59					-0.05	-0.07
100000213645	2	MC	1345	0.52	0.50	51.75	28.55	19.63		0.07			-0.04	-0.12
100000213646	3	MC	1345	0.49	0.50	21.19	30.11	48.62		0.07		-0.06	-0.04	
100000213647	4	MC	1345	0.61	0.49	61.34	26.54	11.97		0.15			-0.15	-0.24
100000213637	5	MC	1345	0.72	0.45	10.04	8.85	72.04	9.07			-0.18	-0.20	-0.21
100000213638	6	MC	1345	0.75	0.43	8.40	7.43	75.46	8.62	0.07		-0.18	-0.17	-0.13
100000213641	7	MC	1345	0.81	0.40	80.59	4.83	6.47	7.88	0.22			-0.18	-0.23
100000213642	8	MC	1345	0.72	0.45	6.84	11.90	9.29	71.82	0.15		-0.15	-0.19	-0.16
100000360192	9	MC	1345	0.77	0.42	77.32	3.79	6.77	11.75	0.37			-0.17	-0.24
100000357133	10	MC	1345	0.81	0.39	9.59	9.59	80.82				-0.25	-0.18	
100000357134	11	MC	1345	0.63	0.48	63.12	20.82	15.91		0.15			-0.20	-0.22
100000357136	12	MC	1345	0.63	0.48	17.17	19.85	62.90		0.07		-0.17	-0.25	
100000357137	13	MC	1345	0.60	0.49	60.30	21.04	18.51		0.15			-0.18	-0.27
100000357138	14	MC	1345	0.42	0.49	23.87	41.64	34.35		0.15		-0.11		-0.17
100000101980	15	MC	1345	0.60	0.49	17.25	22.83	59.70		0.22		-0.13	-0.13	
100000101982	16	MC	1345	0.60	0.49	20.30	59.63	19.93		0.15		-0.16		-0.22
100000101981	17	MC	1345	0.71	0.45	16.80	11.90	71.23		0.07		-0.13	-0.26	
100000101979	18	MC	1345	0.41	0.49	21.86	40.74	37.32		0.07		0.05		-0.18
100000479575	19	MC	1345	0.73	0.44	10.26	73.01	16.65		0.07		-0.29		-0.18
100000478860	20	MC	1345	0.58	0.49	57.70	26.25	15.91		0.15			-0.18	-0.21
100000101984	21	MC	1345	0.21	0.41	21.19	48.10	30.56		0.15			0.05	-0.17
100000357106	22	MC	1345	0.49	0.50	30.33	19.93	49.44		0.30		-0.04	-0.23	
100000357104	23	MC	1345	0.70	0.46	12.71	70.04	16.95		0.30		-0.26		-0.17
100000357107	24	MC	1345	0.66	0.47	17.84	66.32	15.54		0.30		-0.14		-0.29
100000357108	25	MC	1345	0.52	0.50	52.19	30.56	16.88		0.37			-0.11	-0.22
100000357109	26	MC	1345	0.78	0.42	10.11	11.82	77.77		0.30		-0.21	-0.24	
100000260474	27	MC	1345	0.48	0.50	12.94	47.58	39.03		0.45		-0.23		-0.03
100000260477	28	MC	1345	0.54	0.50	54.42	23.57	21.56		0.45			-0.11	-0.29
100000260478	29	MC	1345	0.29	0.45	28.77	32.64	38.22		0.37			-0.05	-0.15
100000260479	30	MC	1345	0.39	0.49	25.58	35.32	38.74		0.37		-0.14	0.09	
100000260476	31	MC	1345	0.44	0.50	25.95	44.16	29.52		0.37		-0.02		-0.19
100000260469	32	MC	1345	0.52	0.50	21.78	52.49	25.35		0.37		0.00		-0.15
100000463368	33	MC	1345	0.33	0.47	32.79	33.83	33.01		0.37		0.05	0.06	
100000102016	34	MC	1345	0.38	0.48	27.88	34.20	37.77		0.15		0.01	-0.17	
100000102017	35	MC	1345	0.80	0.40	79.70	4.83	15.32		0.15			-0.23	-0.24
100000102020	36	MC	1345	0.54	0.50	31.23	53.53	15.09		0.15		-0.13		-0.13
100000102018	37	MC	1345	0.31	0.46	44.24	31.00	24.61		0.15		0.10		-0.22
100000102015	38	MC	1345	0.47	0.50	46.77	38.88	14.13		0.22			-0.06	-0.17
100000102019	39	MC	1345	0.55	0.50	8.03	54.94	36.88		0.15		-0.16		-0.20
100000102014	40	MC	1345	0.42	0.49	37.40	20.59	41.86		0.15		0.07	-0.17	

Table B.2. Distractor Analysis: Grade 4 Reading (Cont.)

Item UIN	Item Seq No.	Item Type	n-Count	Mean	SD	Distractor Distribution					Distractor/Total Correlation ¹			
						1	2	3	4	Omit	1	2	3	4
100000357098	41	MC	1345	0.40	0.49	26.47	40.15	33.01		0.37	0.01			-0.27
100000357100	42	MC	1345	0.42	0.49	36.28	21.86	41.64		0.22	0.04	-0.14		
100000357101	43	MC	1345	0.65	0.48	64.54	17.70	17.47		0.30		-0.06	-0.20	
100000462157	44	MC	1345	0.62	0.49	15.24	22.75	61.78		0.22	-0.13	-0.09		
100000357095	45	MC	1345	0.53	0.50	53.23	23.12	23.35		0.30		-0.05	-0.20	
100000101997	46	MC	1345	0.56	0.50	12.04	31.82	55.84		0.30	-0.21	-0.15		
100000101999	47	MC	1345	0.37	0.48	36.73	42.01	20.97		0.30		-0.12	-0.16	
100000102000	48	MC	1345	0.54	0.50	20.82	54.20	24.83		0.15	-0.05		-0.18	
100000102001	49	MC	1345	0.52	0.50	51.75	36.95	11.15		0.15		-0.12	-0.24	
100000200070	50	MC	1345	0.54	0.50	54.20	18.22	27.21		0.37		-0.21	-0.12	
100000102010	51	MC	1345	0.65	0.48	20.52	64.91	14.35		0.22	-0.20		-0.20	
100000102009	52	MC	1345	0.67	0.47	18.36	14.50	66.91		0.22	-0.15	-0.20		
100000102011	53	MC	1345	0.47	0.50	29.67	47.36	22.83		0.15	0.00		-0.17	
100000102007	54	MC	1345	0.33	0.47	33.09	34.80	31.97		0.15		-0.09	-0.08	
100000102008	55	MC	1345	0.54	0.50	13.46	32.64	53.75		0.15	-0.09	-0.05		
100000102006	56	MC	1345	0.60	0.49	60.00	15.99	23.87		0.15		-0.21	-0.11	
100000102005	57	MC	1345	0.78	0.41	7.51	77.99	14.35		0.15	-0.24		-0.27	

Note: 1. Empty cell indicates the correct answer for the particular item. Point biserial (Item-to-Total Correlation) for the correct answer will be the same as the one shown in item analysis in Section 3.2.

2. Percent distribution by distractors may not add to 100 because of rounding

Table B.3. Distractor Analysis: Grade 5 Reading

Item UIN	Item Seq No.	Item Type	n-Count	Mean	SD	Distractor Distribution					Distractor/Total Correlation ¹			
						1	2	3	4	Omit	1	2	3	4
100000213650	1	MC	1534	0.70	0.46	69.69	3.52	10.17	16.62			-0.17	-0.08	-0.14
100000213651	2	MC	1534	0.71	0.45	3.00	11.86	14.21	70.86	0.07		-0.17	-0.27	-0.05
100000213652	3	MC	1534	0.66	0.47	14.73	66.49	10.50	8.21	0.07		-0.09		-0.20
100000213653	4	MC	1534	0.77	0.42	7.11	10.82	5.41	76.60	0.07		-0.10	-0.17	-0.16
100000213655	5	MC	1534	0.76	0.43	4.82	75.62	15.19	4.30	0.07		-0.15		-0.20
100000213656	6	MC	1534	0.79	0.41	78.88	2.93	9.19	8.87	0.13		-0.16	-0.25	-0.18
100000213657	7	MC	1534	0.69	0.46	13.62	11.86	68.90	5.48	0.13		-0.19	-0.21	-0.22
100000213659	8	MC	1534	0.69	0.46	69.23	8.08	7.82	14.73	0.13		-0.19	-0.17	-0.17
100000360197	9	MC	1534	0.65	0.48	12.45	64.67	10.37	12.32	0.20		-0.12		-0.22
100000102095	10	MC	1534	0.53	0.50	22.10	24.84	53.06				-0.27	-0.08	
100000102093	11	MC	1534	0.73	0.44	73.34	11.47	15.19				-0.18	-0.22	
100000102096	12	MC	1534	0.46	0.50	9.65	46.09	44.20		0.07		-0.22		-0.11
100000102098	13	MC	1534	0.37	0.48	32.14	36.57	31.29				-0.06		-0.01
100000102099	14	MC	1534	0.36	0.48	35.72	21.71	42.57				-0.04	-0.07	
100000102113	15	MC	1534	0.52	0.50	52.48	33.18	14.34				-0.15	-0.31	
100000102111	16	MC	1534	0.74	0.44	11.41	14.34	74.25				-0.21	-0.24	
100000102114	17	MC	1534	0.55	0.50	55.02	26.79	18.19				-0.06	-0.25	
100000102115	18	MC	1534	0.37	0.48	30.25	32.92	36.83				-0.20	-0.08	
100000102116	19	MC	1534	0.52	0.50	28.10	52.09	19.75		0.07		-0.12		-0.29
100000269968	20	MC	1534	0.63	0.48	7.95	63.36	28.68				-0.13		-0.28
100000269982	21	MC	1534	0.66	0.47	14.60	19.43	65.84		0.13		-0.03	-0.13	
100000269965	22	MC	1534	0.43	0.49	42.76	46.28	10.89		0.07		-0.15	-0.22	
100000269966	23	MC	1534	0.37	0.48	32.59	30.38	36.90		0.13		0.13	-0.16	
100000269974	24	MC	1534	0.58	0.49	18.84	58.08	23.01		0.07		-0.14		-0.23
100000269969	25	MC	1534	0.42	0.49	28.49	41.79	29.73				-0.12		-0.19
100000269975	26	MC	1534	0.69	0.46	68.51	14.93	16.43		0.13		-0.19	-0.18	
100000403019	27	MC	1534	0.45	0.50	26.86	44.98	27.71		0.46		-0.05		-0.10
100000403022	28	MC	1534	0.43	0.49	27.05	42.63	30.05		0.26		-0.06		-0.13
100000403025	29	MC	1534	0.49	0.50	22.16	28.68	48.70		0.46		-0.02	-0.13	
100000403020	30	MC	1534	0.59	0.49	10.76	59.13	29.99		0.13		-0.10		0.01
100000403023	31	MC	1534	0.66	0.47	19.75	66.04	14.02		0.20		-0.16		-0.25
100000403016	32	MC	1534	0.36	0.48	28.68	34.94	36.25		0.13		0.04	0.01	
100000403015	33	MC	1534	0.46	0.50	46.35	27.64	25.75		0.26		-0.11	-0.12	
100000146397	34	MC	1534	0.57	0.50	18.19	56.91	24.90				-0.22		-0.13
100000146398	35	MC	1534	0.35	0.48	16.49	35.46	48.04				-0.13		0.13
100000146400	36	MC	1534	0.64	0.48	26.47	64.21	9.19		0.13		-0.24		-0.20
100000146401	37	MC	1534	0.54	0.50	13.82	32.33	53.65		0.20		-0.18	-0.12	
100000146396	38	MC	1534	0.66	0.47	66.04	16.30	17.67				-0.21	-0.21	
100000146399	39	MC	1534	0.50	0.50	31.23	18.38	50.39				-0.09	-0.30	
100000146395	40	MC	1534	0.49	0.50	48.70	24.12	27.18				-0.16	-0.24	

Table B.3. Distractor Analysis: Grade 5 Reading (Cont.)

Item UIN	Item Seq No.	Item Type	n-Count	Mean	SD	Distractor Distribution					Distractor/Total Correlation ¹			
						1	2	3	4	Omit	1	2	3	4
100000260423	41	MC	1534	0.62	0.49	20.40	17.86	61.67		0.07	-0.25	-0.10		
100000260420	42	MC	1534	0.76	0.42	76.47	10.30	13.17		0.07		-0.28	-0.24	
100000260418	43	MC	1534	0.46	0.50	12.06	46.28	41.66			-0.12		-0.13	
100000260417	44	MC	1534	0.39	0.49	39.11	42.05	18.84				0.02	-0.20	
100000260421	45	MC	1534	0.60	0.49	13.10	60.23	26.66			-0.21		-0.26	
100000260425	46	MC	1534	0.41	0.49	50.98	8.21	40.81			-0.06	-0.29		
100000260426	47	MC	1534	0.58	0.49	57.76	8.02	34.16		0.07		-0.14	-0.28	
100000267477	48	MC	1534	0.51	0.50	51.04	32.46	16.36		0.13		-0.07	-0.13	
100000268378	49	MC	1534	0.34	0.47	33.70	13.23	53.00		0.07		-0.20	-0.09	
100000267485	50	MC	1534	0.37	0.48	10.56	37.16	52.09		0.20	-0.17		-0.14	
100000268380	51	MC	1534	0.47	0.50	25.68	47.46	26.79		0.07	-0.06		-0.17	
100000303033	52	MC	1534	0.63	0.48	19.23	18.19	62.52		0.07	-0.13	-0.27		
100000102068	53	MC	1534	0.55	0.50	20.66	54.56	24.64		0.13	-0.25		-0.11	
100000102069	54	MC	1534	0.37	0.48	36.57	27.12	36.18		0.13		-0.27	-0.07	
100000102067	55	MC	1534	0.66	0.47	10.10	65.84	23.92		0.13	-0.16		-0.27	
100000102071	56	MC	1534	0.50	0.50	22.56	27.77	49.54		0.13	0.00	-0.08		
100000102072	57	MC	1534	0.65	0.48	15.38	19.10	65.32		0.20	-0.16	-0.19		

Note: 1. Empty cell indicates the correct answer for the particular item. Point biserial (Item-to-Total Correlation) for the correct answer will be the same as the one shown in item analysis in Section 3.2.

2. Percent distribution by distractors may not add to 100 because of rounding

Table B.4. Distractor Analysis: Grade 6 Reading

Item UIN	Item Seq No.	Item Type	n-Count	Mean	SD	Distractor Distribution					Distractor/Total Correlation ¹			
						1	2	3	4	Omit	1	2	3	4
100000213662	1	MC	1518	0.72	0.45	7.71	14.30	5.73	72.07	0.20	-0.16	-0.21	-0.15	
100000213664	2	MC	1518	0.55	0.50	17.65	55.14	18.51	8.50	0.20	-0.19		-0.07	-0.04
100000213665	3	MC	1518	0.64	0.48	11.40	9.75	63.97	14.62	0.26	-0.19	-0.17		-0.15
100000213666	4	MC	1518	0.59	0.49	9.55	58.76	15.74	15.68	0.26	-0.11		-0.04	-0.13
100000213663	5	MC	1518	0.79	0.41	7.51	7.97	78.59	5.60	0.33	-0.18	-0.18		-0.16
100000213668	6	MC	1518	0.66	0.47	19.17	9.03	66.07	5.14	0.59	-0.24	-0.18		-0.19
100000213669	7	MC	1518	0.23	0.42	25.43	17.92	23.19	32.87	0.59	0.04	-0.06		-0.05
100000213671	8	MC	1518	0.51	0.50	23.85	50.86	11.46	13.18	0.66	-0.02		-0.16	-0.22
100000213670	9	MC	1518	0.74	0.44	9.42	7.18	74.37	8.23	0.79	-0.17	-0.20		-0.16
100000102192	10	MC	1518	0.64	0.48	14.43	64.03	21.34		0.20	-0.21		-0.24	
100000102194	11	MC	1518	0.57	0.50	56.52	24.64	18.64		0.20		-0.02	-0.17	
100000102191	12	MC	1518	0.67	0.47	16.67	15.61	67.39		0.33	-0.14	-0.24		
100000102195	13	MC	1518	0.64	0.48	6.19	64.16	29.45		0.20	-0.18		-0.10	
100000102196	14	MC	1518	0.48	0.50	48.48	23.52	27.67		0.33		-0.09	-0.07	
100000270683	15	MC	1518	0.63	0.48	7.84	29.18	62.52		0.46	-0.21	-0.01		
100000270685	16	MC	1518	0.55	0.50	55.07	26.48	18.05		0.40		-0.17	-0.13	
100000270689	17	MC	1518	0.31	0.46	30.57	52.17	16.93		0.33		0.02	-0.21	
100000270687	18	MC	1518	0.58	0.49	22.40	57.64	19.57		0.40	-0.12		-0.15	
100000270688	19	MC	1518	0.28	0.45	41.11	28.13	30.43		0.33	0.12		-0.12	
100000270692	20	MC	1518	0.48	0.50	18.91	32.61	48.22		0.26	-0.09	-0.15		
100000270691	21	MC	1518	0.46	0.50	46.25	27.27	26.09		0.40		-0.14	-0.18	
100000269997	22	MC	1518	0.66	0.47	22.40	65.94	11.13		0.53	-0.13		-0.18	
100000270006	23	MC	1518	0.71	0.45	71.34	10.34	17.72		0.59		-0.26	-0.23	
100000270005	24	MC	1518	0.69	0.46	69.50	16.93	12.91		0.66		-0.24	-0.25	
100000270007	25	MC	1518	0.45	0.50	45.26	18.12	36.10		0.53		-0.23	-0.03	
100000269999	26	MC	1518	0.87	0.34	8.50	87.02	3.89		0.59	-0.20		-0.18	
100000270032	27	MC	1518	0.77	0.42	12.71	76.94	9.09		1.25	-0.25		-0.22	
100000273222	28	MC	1518	0.76	0.43	11.00	11.79	75.96		1.25	-0.20	-0.26		
100000270033	29	MC	1518	0.58	0.49	15.94	24.44	58.37		1.25	-0.23	-0.06		
100000270035	30	MC	1518	0.47	0.50	16.80	34.58	47.43		1.19	-0.10	-0.01		
100000270034	31	MC	1518	0.60	0.49	15.88	59.95	22.99		1.19	-0.14		-0.23	
100000270031	32	MC	1518	0.29	0.45	28.85	26.75	43.21		1.19		-0.13	0.10	
100000273224	33	MC	1518	0.59	0.49	59.16	14.43	25.16		1.25		-0.21	-0.22	
100000102127	34	MC	1518	0.68	0.47	20.36	11.66	67.65		0.33	-0.08	-0.20		
100000102132	35	MC	1518	0.44	0.50	29.64	26.35	43.54		0.46	-0.11	-0.15		
100000102128	36	MC	1518	0.45	0.50	31.09	44.99	23.45		0.46	-0.13		-0.08	
100000102129	37	MC	1518	0.50	0.50	30.43	49.74	19.43		0.40	-0.09		-0.15	
100000102130	38	MC	1518	0.56	0.50	56.06	17.72	25.76		0.46		-0.17	-0.09	
100000257120	39	MC	1518	0.38	0.49	37.88	28.85	32.81		0.46		-0.15	0.00	
100000257114	40	MC	1518	0.49	0.50	16.34	34.06	49.08		0.53	-0.06	-0.16		

Table B.4. Distractor Analysis: Grade 6 Reading (Cont.)

Item UIN	Item Seq No.	Item Type	n-Count	Mean	SD	Distractor Distribution					Distractor/Total Correlation ¹			
						1	2	3	4	Omit	1	2	3	4
100000257118	41	MC	1518	0.64	0.48	64.30	23.06	12.12		0.53		-0.09	-0.30	
100000257119	42	MC	1518	0.67	0.47	67.00	10.87	21.81		0.33		-0.26	-0.13	
100000257088	43	MC	1518	0.62	0.49	9.16	62.19	28.26		0.40	-0.23		-0.19	
100000450957	44	MC	1518	0.48	0.50	33.47	18.38	47.63		0.53	-0.07	-0.22		
100000403040	45	MC	1518	0.49	0.50	49.28	41.04	9.16		0.53		-0.09	-0.23	
100000403043	46	MC	1518	0.34	0.47	41.90	33.60	23.98		0.53	0.07		0.03	
100000403045	47	MC	1518	0.54	0.50	24.31	53.95	21.34		0.40	-0.15		-0.21	
100000403035	48	MC	1518	0.63	0.48	63.37	9.95	26.35		0.33		-0.18	-0.28	
100000450954	49	MC	1518	0.60	0.49	15.02	59.95	24.64		0.40	-0.12		-0.21	
100000450937	50	MC	1518	0.52	0.50	27.34	52.11	20.29		0.26	-0.14		-0.21	
100000257022	51	MC	1518	0.73	0.44	73.45	19.10	7.11		0.33		-0.17	-0.17	
100000257023	52	MC	1518	0.71	0.45	13.64	14.76	71.28		0.33	-0.15	-0.20		
100000257092	53	MC	1518	0.61	0.49	12.12	61.13	26.42		0.33	-0.22		-0.28	
100000257093	54	MC	1518	0.67	0.47	17.13	66.93	15.55		0.40	-0.14		-0.25	
100000257090	55	MC	1518	0.34	0.47	32.35	33.73	33.66		0.26	-0.05	-0.18		
100000257095	56	MC	1518	0.73	0.44	14.82	73.45	11.40		0.33	-0.13		-0.07	
100000257096	57	MC	1518	0.23	0.42	22.86	29.31	47.50		0.33		-0.19	0.00	

Note: 1. Empty cell indicates the correct answer for the particular item. Point biserial (Item-to-Total Correlation) for the correct answer will be the same as the one shown in item analysis in Section 3.2.

2. Percent distribution by distractors may not add to 100 because of rounding

Table B.5. Distractor Analysis: Grade 7 Reading

Item UIN	Item Seq No.	Item Type	n-Count	Mean	SD	Distractor Distribution					Distractor/Total Correlation ¹			
						1	2	3	4	Omit	1	2	3	4
100000213674	1	MC	1512	0.70	0.46	69.78	7.54	17.06	5.42	0.20		-0.13	-0.23	-0.16
100000213675	2	MC	1512	0.80	0.40	3.57	8.07	7.87	80.16	0.33	-0.13	-0.10	-0.16	
100000213676	3	MC	1512	0.34	0.47	33.60	11.38	31.35	23.35	0.33		-0.14	-0.06	-0.01
100000213678	4	MC	1512	0.73	0.45	10.91	72.55	7.28	8.86	0.40	-0.11		-0.12	-0.17
100000213679	5	MC	1512	0.73	0.45	15.28	72.75	3.57	7.41	0.99	-0.21		-0.16	-0.16
100000403120	6	MC	1512	0.53	0.50	25.93	53.44	20.30		0.33	0.01		-0.02	
100000403112	7	MC	1512	0.55	0.50	22.35	55.09	22.35		0.20	-0.21		-0.11	
100000403122	8	MC	1512	0.58	0.49	13.69	27.58	58.47		0.26	-0.18	-0.07		
100000403118	9	MC	1512	0.21	0.41	55.62	23.02	20.97		0.40	-0.03	-0.07		
100000403119	10	MC	1512	0.61	0.49	61.38	15.01	23.28		0.33		-0.08	-0.23	
100000403123	11	MC	1512	0.37	0.48	13.10	49.67	36.84		0.40	-0.13	-0.04		
100000403115	12	MC	1512	0.42	0.49	41.87	37.57	20.17		0.40		-0.07	-0.19	
100000270109	13	MC	1512	0.43	0.50	42.92	13.89	42.99		0.20		-0.15	-0.03	
100000270112	14	MC	1512	0.39	0.49	39.29	23.54	36.84		0.33		-0.19	0.04	
100000270113	15	MC	1512	0.54	0.50	28.57	17.33	53.84		0.26	-0.04	-0.16		
100000270114	16	MC	1512	0.59	0.49	22.75	58.80	18.12		0.33	-0.12		-0.17	
100000270121	17	MC	1512	0.57	0.49	15.15	27.05	57.41		0.40	-0.16	-0.21		
100000403125	18	MC	1512	0.53	0.50	15.81	53.17	30.89		0.13	-0.21		0.03	
100000403130	19	MC	1512	0.47	0.50	30.82	46.76	22.22		0.20	0.02		-0.05	
100000403126	20	MC	1512	0.48	0.50	47.55	20.11	32.14		0.20		-0.18	-0.18	
100000403132	21	MC	1512	0.46	0.50	46.16	27.12	26.32		0.40		-0.15	-0.10	
100000403129	22	MC	1512	0.49	0.50	30.69	48.88	19.97		0.46	-0.05		-0.10	
100000403134	23	MC	1512	0.39	0.49	14.55	45.70	39.35		0.40	-0.15	-0.03		
100000403135	24	MC	1512	0.50	0.50	20.44	29.03	50.40		0.13	-0.16	-0.03		
100000102263	25	MC	1512	0.61	0.49	15.15	60.91	23.48		0.46	-0.08		0.01	
100000102267	26	MC	1512	0.42	0.49	23.74	42.33	33.40		0.53	-0.26		0.02	
100000102268	27	MC	1512	0.54	0.50	53.70	13.23	32.61		0.46		-0.20	-0.16	
100000102269	28	MC	1512	0.44	0.50	44.05	18.12	37.30		0.53		-0.16	-0.07	
100000102266	29	MC	1512	0.33	0.47	33.00	44.05	22.42		0.53		0.05	-0.16	
100000257205	30	MC	1512	0.66	0.47	24.54	65.67	9.72		0.07	-0.03		-0.12	
100000257208	31	MC	1512	0.13	0.34	78.31	13.43	8.20		0.07	-0.02		-0.17	
100000257212	32	MC	1512	0.38	0.48	37.57	20.44	41.93		0.07		-0.21	-0.09	
100000257209	33	MC	1512	0.27	0.45	31.42	41.27	27.25		0.07	0.04	0.09		
100000257211	34	MC	1512	0.45	0.50	39.42	15.87	44.51		0.20	0.04	-0.23		
100000257177	35	MC	1512	0.60	0.49	60.38	13.76	25.60		0.26		-0.22	-0.10	
100000257178	36	MC	1512	0.71	0.45	14.15	71.23	14.48		0.13	-0.19		-0.19	
100000257182	37	MC	1512	0.78	0.41	78.44	8.20	13.29		0.07		-0.22	-0.11	
100000257216	38	MC	1512	0.66	0.47	66.20	20.70	13.03		0.07		-0.19	-0.24	
100000257218	39	MC	1512	0.76	0.43	13.23	75.79	10.78		0.20	-0.21		-0.18	
100000257219	40	MC	1512	0.52	0.50	6.42	41.20	52.25		0.13	-0.17	0.05		

Table B.5. Distractor Analysis: Grade 7 Reading (Cont.)

Item UIN	Item Seq No.	Item Type	n-Count	Mean	SD	Distractor Distribution					Distractor/Total Correlation ¹			
						1	2	3	4	Omit	1	2	3	4
100000257221	41	MC	1512	0.49	0.50	13.23	48.68	37.96		0.13	-0.12		0.02	
100000257193	42	MC	1512	0.39	0.49	40.28	38.69	20.83		0.20	-0.01		0.06	
100000257192	43	MC	1512	0.45	0.50	37.30	17.99	44.58		0.13	-0.01	-0.14		
100000257727	44	MC	1512	0.54	0.50	19.91	54.30	25.66		0.13	-0.17		-0.25	
100000257732	45	MC	1512	0.59	0.49	13.43	27.45	58.99		0.13	-0.19	-0.27		
100000257729	46	MC	1512	0.59	0.49	28.57	12.76	58.53		0.13	-0.17	-0.11		
100000257728	47	MC	1512	0.26	0.44	25.79	43.58	30.49		0.13		-0.13	0.04	
100000257730	48	MC	1512	0.48	0.50	48.08	24.87	26.79		0.26		-0.11	-0.05	
100000257769	49	MC	1512	0.53	0.50	30.75	53.17	15.94		0.13	-0.09		-0.17	
100000257770	50	MC	1512	0.41	0.49	24.80	40.94	34.19		0.07	-0.02		-0.21	
100000257773	51	MC	1512	0.76	0.43	76.26	12.96	10.71		0.07		-0.20	-0.25	
100000322795	52	MC	1512	0.51	0.50	24.27	24.27	51.32		0.13	-0.13	-0.14		
100000257767	53	MC	1512	0.63	0.48	63.23	17.53	19.18		0.07		-0.24	-0.14	

Note: 1. Empty cell indicates the correct answer for the particular item. Point biserial (Item-to-Total Correlation) for the correct answer will be the same as the one shown in item analysis in Section 3.2.

2. Percent distribution by distractors may not add to 100 because of rounding

Table B.6. Distractor Analysis: Grade 8 Reading

Item UIN	Item Seq No.	Item Type	n-Count	Mean	SD	Distractor Distribution					Distractor/Total Correlation ¹			
						1	2	3	4	Omit	1	2	3	4
100000213683	1	MC	1803	0.80	0.40	6.99	2.05	10.65	80.14	0.17	-0.06	-0.13	-0.17	
100000213684	2	MC	1803	0.67	0.47	66.61	13.75	8.82	10.65	0.17		-0.14	-0.12	-0.12
100000213686	3	MC	1803	0.46	0.50	46.42	8.65	21.69	22.91	0.33		-0.19	-0.06	0.01
100000213687	4	MC	1803	0.57	0.50	13.87	56.79	11.26	17.53	0.55	-0.13		-0.13	-0.05
100000213688	5	MC	1803	0.62	0.49	62.12	12.04	17.97	7.32	0.55		-0.16	-0.18	-0.19
100000270607	6	MC	1803	0.67	0.47	67.22	14.70	17.97		0.11		-0.19	-0.21	
100000270608	7	MC	1803	0.74	0.44	73.88	9.26	16.75		0.11		-0.12	-0.19	
100000270612	8	MC	1803	0.60	0.49	19.19	60.23	20.52		0.06	-0.13		-0.03	
100000270614	9	MC	1803	0.28	0.45	12.81	27.95	59.12		0.11	0.01		-0.04	
100000270617	10	MC	1803	0.65	0.48	17.75	17.53	64.56		0.17	-0.10	-0.11		
100000270610	11	MC	1803	0.36	0.48	46.81	17.03	36.00		0.17	-0.01	-0.14		
100000270615	12	MC	1803	0.49	0.50	23.79	48.97	27.01		0.22	-0.15		0.01	
100000102331	13	MC	1803	0.85	0.36	5.88	8.87	85.14		0.11	-0.16	-0.15		
100000102329	14	MC	1803	0.53	0.50	30.34	53.41	16.14		0.11	0.02		-0.25	
100000102330	15	MC	1803	0.61	0.49	21.41	60.90	17.53		0.17	-0.15		-0.21	
100000102334	16	MC	1803	0.45	0.50	33.00	21.58	45.37		0.06	0.10	-0.15		
100000102335	17	MC	1803	0.83	0.37	3.49	13.26	83.19		0.06	-0.22	-0.25		
100000270154	18	MC	1803	0.43	0.49	26.84	42.60	30.34		0.22	0.04		-0.14	
100000270158	19	MC	1803	0.48	0.50	12.70	39.05	47.98		0.28	-0.21	0.03		
100000273597	20	MC	1803	0.68	0.47	10.48	68.16	21.13		0.22	-0.22		-0.22	
100000270163	21	MC	1803	0.52	0.50	29.23	51.97	18.47		0.33	-0.10		-0.16	
100000270159	22	MC	1803	0.78	0.42	9.21	12.92	77.65		0.22	-0.22	-0.24		
100000270645	23	MC	1803	0.30	0.46	29.78	29.62	40.49		0.11	-0.10		0.17	
100000270647	24	MC	1803	0.60	0.49	23.29	59.73	16.92		0.06	-0.10		-0.21	
100000270643	25	MC	1803	0.80	0.40	8.99	11.09	79.81		0.11	-0.29	-0.25		
100000270644	26	MC	1803	0.44	0.50	43.82	38.44	17.58		0.17		-0.06	-0.24	
100000270651	27	MC	1803	0.62	0.48	14.42	23.24	62.29		0.06	-0.18	-0.05		
100000270650	28	MC	1803	0.64	0.48	64.17	20.80	14.98		0.06		-0.08	-0.24	
100000270642	29	MC	1803	0.76	0.43	11.04	76.32	12.37		0.28	-0.24		-0.28	
100000257161	30	MC	1803	0.53	0.50	26.51	52.69	20.47		0.33	-0.03		-0.13	
100000257787	31	MC	1803	0.34	0.47	32.72	34.17	32.72		0.39	0.13		-0.22	
100000257158	32	MC	1803	0.52	0.50	51.75	30.01	17.91		0.33		-0.14	-0.18	
100000257160	33	MC	1803	0.58	0.49	57.90	19.08	22.74		0.28		-0.25	-0.18	
100000257163	34	MC	1803	0.77	0.42	14.03	8.26	77.37		0.33	-0.21	-0.25		
100000405724	35	MC	1803	0.58	0.49	58.24	26.62	14.86		0.28		-0.18	-0.12	
100000405725	36	MC	1803	0.43	0.50	28.67	43.43	27.57		0.33	-0.05		-0.19	
100000405728	37	MC	1803	0.41	0.49	33.94	25.01	40.71		0.33	-0.03	-0.06		
100000405727	38	MC	1803	0.29	0.45	36.55	34.39	28.67		0.39	-0.04	-0.13		
100000405731	39	MC	1803	0.62	0.48	22.24	62.45	14.98		0.33	-0.22		-0.24	
100000405732	40	MC	1803	0.33	0.47	32.50	26.62	40.49		0.39		0.00	-0.16	

Table B.6. Distractor Analysis: Grade 8 Reading (Cont.)

Item UIN	Item Seq No.	Item Type	n-Count	Mean	SD	Distractor Distribution					Distractor/Total Correlation ¹			
						1	2	3	4	Omit	1	2	3	4
100000405733	41	MC	1803	0.29	0.46	29.28	40.82	29.56		0.33		-0.18	-0.01	
100000403148	42	MC	1803	0.76	0.43	75.98	12.48	11.09		0.44		-0.25	-0.18	
100000403149	43	MC	1803	0.65	0.48	24.02	10.59	64.95		0.44	-0.14	-0.10		
100000403151	44	MC	1803	0.52	0.50	31.72	51.91	15.92		0.44	0.07		-0.21	
100000403152	45	MC	1803	0.39	0.49	31.78	38.88	28.84		0.50	-0.02		-0.11	
100000403144	46	MC	1803	0.30	0.46	24.18	29.89	45.54		0.39	-0.02		-0.14	
100000403145	47	MC	1803	0.72	0.45	7.99	19.80	71.82		0.39	-0.24	-0.16		
100000403153	48	MC	1803	0.56	0.50	56.41	21.58	21.46		0.55		-0.22	-0.07	
100000257140	49	MC	1803	0.76	0.43	8.37	15.47	75.82		0.33	-0.11	-0.11		
100000257144	50	MC	1803	0.56	0.50	32.89	56.24	10.48		0.39	-0.19		-0.14	
100000257777	51	MC	1803	0.49	0.50	28.84	21.74	49.08		0.33	0.04	-0.20		
100000302674	52	MC	1803	0.57	0.50	22.19	57.02	20.30		0.50	-0.08		-0.10	
100000302675	53	MC	1803	0.61	0.49	18.47	61.18	19.86		0.50	-0.16		-0.21	

Note: 1. Empty cell indicates the correct answer for the particular item. Point biserial (Item-to-Total Correlation) for the correct answer will be the same as the one shown in item analysis in Section 3.2.

2. Percent distribution by distractors may not add to 100 because of rounding