

APPENDIX C: THE 2007 MSA-READING CLASSICAL AND *IRT* ITEM PARAMETERS

Table C.1 The 2007 MSA-Reading Classical and IRT Item Parameters: Grade 3 Form A

Item Number	Item Type	P-Value	Point-Biserial	Rasch Difficulty	SE	Ms. Infit	Ms. Outfit	Step 0-1	Step 1-2	Step 2-3
2	SR	0.93	0.13	-2.3300	0.09	1.50	2.45			
5	SR	0.88	0.38	-1.1000	0.06	0.80	0.58			
6	SR	0.66	0.43	0.1500	0.05	1.04	0.95			
9	SR	0.85	0.34	-0.9300	0.06	0.94	0.89			
11	SR	0.68	0.40	0.1654	0.05	0.99	0.98			
15	SR	0.83	0.23	-1.0800	0.06	1.27	1.71			
18	SR	0.71	0.39	0.4500	0.04	0.98	0.92			
20	SR	0.40	0.35	2.2900	0.05	1.29	1.46			
23	SR	0.67	0.38	-0.0800	0.05	1.11	1.14			
30	SR	0.52	0.42	1.0000	0.04	1.01	1.00			
31	SR	0.72	0.32	-0.1100	0.05	1.09	1.11			
32	SR	0.69	0.45	0.2400	0.05	0.90	0.79			
34	SR	0.76	0.49	-0.1500	0.05	0.83	0.70			
41	SR	0.75	0.52	-0.0300	0.05	0.80	0.67			
44	SR	0.91	0.37	-1.8000	0.07	0.92	0.65			
49	SR	0.66	0.33	0.0000	0.05	1.20	1.32			
55	SR	0.65	0.49	0.0300	0.05	1.01	0.92			
56	SR	0.46	0.26	0.9300	0.04	1.21	1.31			
57	SR	0.82	0.26	-1.0600	0.06	1.28	1.74			
58	SR	0.90	0.43	-1.4300	0.06	0.70	0.43			
59	SR	0.83	0.50	-0.9100	0.06	0.88	0.66			
61	SR	0.55	0.41	0.6500	0.04	1.07	1.11			
68	SR	0.77	0.48	-0.4632	0.05	0.87	0.74			
69	SR	0.81	0.38	-0.4000	0.05	0.86	0.76			
70	SR	0.62	0.44	0.5900	0.04	0.97	0.99			
71A	SR	0.80	0.48	-0.6027	0.05	0.88	0.77			
72A	BCR	0.55	0.43	0.6767	0.04	1.03	1.04	-3.7457	-0.1823	3.9279
73A	SR	0.87	0.40	-1.3357	0.06	0.92	0.71			
74A	SR	0.70	0.43	0.0066	0.05	1.02	0.96			
75A	BCR	0.51	0.47	1.3267	0.04	0.99	0.99	-4.1588	-0.2494	4.4082
76A	SR	0.57	0.38	0.8172	0.04	1.10	1.13			
77A	SR	0.57	0.49	0.7501	0.04	0.97	0.93			
78A	BCR	0.38	0.57	2.1952	0.03	0.96	0.95	-2.4813	-0.5270	3.0083
79A	SR	0.45	0.29	1.4026	0.04	1.16	1.28			
80A	SR	0.37	0.28	1.8600	0.05	1.16	1.35			
81A	BCR	0.36	0.55	2.7146	0.03	0.93	0.93	-3.1880	-0.2086	3.3966
82A	SR	0.66	0.45	0.1785	0.05	0.93	1.06			

Note. 'A' indicates that it is a unique item appearing only on Form A.

Table C.2 The 2007 MSA-Reading Classical and IRT Item Parameters: Grade 3 Form B

Item Number	Item Type	P-Value	Point-Biserial	Rasch Difficulty	SE	Ms. Infit	Ms. Outfit	Step 0-1	Step 1-2	Step 2-3
2	SR	0.93	0.15	-2.3300	0.09	1.46	1.89			
5	SR	0.89	0.37	-1.1000	0.06	0.78	0.59			
6	SR	0.67	0.41	0.1500	0.04	0.99	0.90			
9	SR	0.86	0.32	-0.9300	0.06	0.93	0.85			
11	SR	0.68	0.39	0.1617	0.04	0.99	0.98			
15	SR	0.83	0.23	-1.0800	0.06	1.14	1.45			
18	SR	0.71	0.38	0.4500	0.04	0.88	0.81			
20	SR	0.41	0.35	2.2900	0.05	1.37	1.62			
23	SR	0.67	0.38	-0.0800	0.05	1.08	1.09			
30	SR	0.52	0.41	1.0000	0.04	0.95	0.94			
31	SR	0.72	0.31	-0.1100	0.05	1.03	1.06			
32	SR	0.69	0.44	0.2400	0.04	0.89	0.81			
34	SR	0.76	0.48	-0.1500	0.05	0.81	0.67			
41	SR	0.75	0.51	-0.0300	0.05	0.81	0.73			
44	SR	0.91	0.38	-1.8000	0.07	0.94	0.72			
49	SR	0.66	0.33	0.0000	0.05	1.15	1.25			
55	SR	0.65	0.47	0.0300	0.05	1.05	0.99			
56	SR	0.47	0.26	0.9300	0.04	1.16	1.26			
57	SR	0.82	0.27	-1.0600	0.06	1.24	1.51			
58	SR	0.90	0.43	-1.4300	0.06	0.72	0.44			
59	SR	0.83	0.48	-0.9100	0.06	0.91	0.70			
61	SR	0.56	0.41	0.6500	0.04	1.00	0.99			
68	SR	0.76	0.47	-0.4148	0.05	0.90	0.79			
69	SR	0.81	0.38	-0.4000	0.05	0.87	0.83			
70	SR	0.62	0.42	0.5900	0.04	0.94	0.91			
71B	SR	0.80	0.45	-0.5812	0.05	0.89	0.76			
72B	BCR	0.56	0.29	1.0200	0.03	1.39	1.59	-0.9972	-1.3939	2.3911
73B	SR	0.79	0.31	-0.5350	0.05	1.03	1.07			
74B	SR	0.78	0.30	-0.4499	0.05	1.05	1.06			
75B	BCR	0.54	0.56	0.6505	0.03	0.90	0.90	-2.4498	0.3899	2.0599
76B	SR	0.48	0.38	1.1214	0.04	0.98	1.01			
77B	SR	0.54	0.17	0.8924	0.04	1.24	1.38			
78B	BCR	0.51	0.44	1.0854	0.03	1.07	1.07	-2.5958	0.2578	2.3381
79B	SR	0.58	0.32	0.7167	0.04	1.11	1.15			
80B	SR	0.40	0.20	1.6168	0.04	1.19	1.35			
81B	BCR	0.50	0.47	1.0017	0.03	1.02	1.02	-2.8775	0.1426	2.7349
82B	SR	0.65	0.43	0.2386	0.04	0.94	0.91			

Note. 'B' indicates that it is a unique item appearing only on Form B.

Table C.3 The 2007 MSA-Reading Classical and IRT Item Parameters: Grade 4 Form A

Item Number	Item Type	P-Value	Point-Biserial	Rasch Difficulty	SE	Ms. Infit	Ms. Outfit	Step 0-1	Step 1-2	Step 2-3
1	SR	0.99	0.21	-3.9886	0.21	1.66	1.04			
4	SR	0.95	0.27	-1.7739	0.08	0.80	0.66			
9	SR	0.84	0.34	-0.1033	0.05	0.86	0.73			
10	SR	0.90	0.25	-1.2892	0.07	1.19	1.22			
18	SR	0.78	0.32	0.0403	0.05	0.96	1.00			
23	SR	0.86	0.46	-0.6252	0.06	0.82	0.59			
24	SR	0.80	0.45	-0.2092	0.05	0.89	0.77			
29	SR	0.94	0.32	-1.4440	0.07	0.66	0.47			
35	SR	0.86	0.34	-0.6775	0.06	0.93	0.86			
38	SR	0.73	0.42	0.2123	0.05	0.93	0.86			
41	SR	0.82	0.38	-0.3429	0.05	0.92	0.92			
42	SR	0.73	0.33	0.2842	0.05	1.01	1.04			
43	SR	0.85	0.45	-0.7393	0.06	0.88	0.63			
44	SR	0.82	0.42	-0.3247	0.05	0.87	0.75			
45	SR	0.43	0.23	1.5832	0.04	1.13	1.20			
46	SR	0.95	0.36	-1.9501	0.09	0.91	0.55			
47	SR	0.82	0.36	-0.4109	0.05	1.03	0.96			
50	SR	0.82	0.50	-0.5286	0.05	0.89	0.73			
51	SR	0.95	0.28	-1.8443	0.08	0.80	0.66			
52	SR	0.62	0.35	0.8212	0.04	1.03	1.05			
53	SR	0.51	0.30	1.3188	0.04	1.05	1.08			
54	SR	0.37	0.26	2.0024	0.04	1.05	1.17			
55	SR	0.92	0.38	-1.4991	0.07	0.81	0.50			
62	SR	0.79	0.40	-0.1689	0.05	0.95	0.91			
64	SR	0.64	0.39	0.7087	0.04	0.96	0.93			
71A	SR	0.56	0.27	1.1275	0.04	1.10	1.14			
72A	BCR	0.55	0.37	1.4246	0.04	1.05	1.07	-3.9432	-1.0716	5.0148
73A	SR	0.61	0.20	0.8360	0.04	1.19	1.43			
74A	SR	0.79	0.45	-0.1767	0.05	0.88	0.77			
75A	BCR	0.52	0.36	1.5790	0.04	1.03	1.04	-4.7955	-0.4851	5.2806
76A	SR	0.78	0.32	-0.1660	0.05	1.03	1.15			
77A	SR	0.56	0.17	1.2465	0.04	1.20	1.29			
78A	BCR	0.49	0.43	1.5483	0.04	0.93	0.93	-3.8291	0.1137	3.7154
79A	SR	0.82	0.42	-0.4818	0.05	0.92	0.76			
80A	SR	0.56	0.32	1.1823	0.04	1.06	1.10			
81A	BCR	0.28	0.43	3.4195	0.03	0.98	0.99	-2.9824	-0.1251	3.1075
82A	SR	0.73	0.33	0.2118	0.05	1.04	0.97			

Note. 'A' indicates that it is a unique item appearing only on Form A.

Table C.4 The 2007 MSA-Reading Classical and IRT Item Parameters: Grade 4 Form B

Item Number	Item Type	P-Value	Point-Biserial	Rasch Difficulty	SE	Ms. Infit	Ms. Outfit	Step 0-1	Step 1-2	Step 2-3
1	SR	0.99	0.19	-3.9886	0.21	1.27	0.48			
4	SR	0.95	0.28	-1.7739	0.08	0.78	0.60			
9	SR	0.84	0.35	-0.1033	0.05	0.84	0.76			
10	SR	0.90	0.25	-1.2892	0.07	1.09	1.19			
18	SR	0.78	0.33	0.0403	0.05	0.97	0.91			
23	SR	0.86	0.45	-0.6252	0.06	0.82	0.65			
24	SR	0.80	0.44	-0.2092	0.05	0.93	0.79			
29	SR	0.94	0.32	-1.4440	0.07	0.71	0.56			
35	SR	0.86	0.34	-0.6775	0.06	0.89	0.90			
38	SR	0.73	0.42	0.2123	0.05	0.98	0.99			
41	SR	0.82	0.38	-0.3429	0.05	0.92	0.99			
42	SR	0.73	0.35	0.2842	0.05	0.97	0.92			
43	SR	0.85	0.44	-0.7393	0.06	0.97	0.79			
44	SR	0.81	0.42	-0.3247	0.05	0.96	0.83			
45	SR	0.44	0.23	1.5832	0.04	1.15	1.25			
46	SR	0.95	0.36	-1.9501	0.08	1.00	0.76			
47	SR	0.82	0.35	-0.4109	0.05	1.06	0.98			
50	SR	0.82	0.50	-0.5286	0.05	0.92	0.77			
51	SR	0.96	0.27	-1.8443	0.08	0.71	0.61			
52	SR	0.62	0.35	0.8212	0.04	1.03	1.05			
53	SR	0.51	0.29	1.3188	0.04	1.11	1.18			
54	SR	0.36	0.27	2.0024	0.04	1.03	1.16			
55	SR	0.92	0.37	-1.4991	0.07	0.93	0.73			
62	SR	0.79	0.41	-0.1689	0.05	0.95	0.90			
64	SR	0.65	0.40	0.7087	0.04	1.00	0.96			
71B	SR	0.84	0.42	-0.5343	0.05	0.93	0.86			
72B	BCR	0.44	0.50	2.0834	0.04	0.92	0.92	-3.7861	-0.0235	3.8096
73B	SR	0.57	0.31	1.1757	0.04	1.09	1.12			
74B	SR	0.68	0.40	0.5294	0.04	1.01	1.02			
75B	BCR	0.56	0.48	1.6275	0.04	0.93	0.94	-3.1782	-1.3278	4.5059
76B	SR	0.78	0.43	-0.0504	0.05	0.92	0.83			
77B	SR	0.62	0.34	0.9068	0.04	1.03	1.05			
78B	BCR	0.48	0.37	2.4055	0.04	1.06	1.08	-5.0568	-0.7227	5.7795
79B	SR	0.57	0.42	1.1552	0.04	0.91	0.89			
80B	SR	0.49	0.29	1.6008	0.04	1.08	1.40			
81B	BCR	0.50	0.45	2.3188	0.03	1.02	1.02	-3.6205	-1.0745	4.6950
82B	SR	0.58	0.36	1.0512	0.04	1.05	1.06			

Note. 'B' indicates that it is a unique item appearing only on Form B.

Table C.5 The 2007 MSA-Reading Classical and IRT Item Parameters: Grade 5 Form A

Item Number	Item Type	P-Value	Point-Biserial	Rasch Difficulty	SE	Ms. Infit	Ms. Outfit	Step 0-1	Step 1-2	Step 2-3
4	SR	0.60	0.38	0.5100	0.04	0.96	0.93			
5	SR	0.57	0.34	0.5600	0.04	1.02	1			
6	SR	0.63	0.48	0.3700	0.04	0.86	0.8			
9	SR	0.93	0.27	-1.5200	0.06	0.74	0.65			
10	SR	0.90	0.39	-1.6360	0.07	0.89	0.6			
11	SR	0.84	0.22	-1.1100	0.06	1.11	1.38			
13	SR	0.86	0.19	-1.1400	0.06	1.03	1.28			
16	SR	0.84	0.34	-1.0474	0.05	0.95	0.95			
17	SR	0.80	0.40	-0.4700	0.05	0.80	0.7			
19	SR	0.75	0.24	-0.3700	0.05	1.07	1.16			
21	SR	0.82	0.37	-0.9721	0.05	0.92	0.83			
23	SR	0.57	0.32	0.4900	0.04	1.05	1.04			
25	SR	0.72	0.42	-0.1900	0.05	0.92	0.84			
26	SR	0.72	0.24	-0.2441	0.05	1.10	1.39			
28	SR	0.54	0.20	0.7388	0.04	1.14	1.21			
31	SR	0.58	0.43	0.4500	0.04	0.96	0.92			
32	SR	0.69	0.33	-0.0667	0.04	1.02	1.08			
33	SR	0.81	0.43	-0.6500	0.05	0.85	0.75			
34	SR	0.39	0.35	1.4400	0.04	0.96	0.98			
35	SR	0.69	0.45	-0.0645	0.04	0.92	0.82			
37	SR	0.63	0.32	-0.0200	0.04	1.10	1.13			
41	SR	0.78	0.38	-0.3800	0.05	0.86	0.76			
44	SR	0.67	0.46	0.0306	0.04	0.91	0.83			
45	SR	0.57	0.39	0.6900	0.04	0.98	0.99			
49	SR	0.87	0.40	-1.4723	0.06	0.91	0.73			
61A	SR	0.72	0.17	-0.2445	0.05	1.17	1.48			
62A	BCR	0.42	0.41	1.8768	0.04	0.96	0.95	-4.3444	0.6386	3.7058
63A	SR	0.59	0.35	0.4821	0.04	1.02	1.05			
64A	SR	0.83	0.40	-0.9831	0.05	0.90	0.73			
65A	BCR	0.38	0.44	1.9237	0.04	0.89	0.87	-3.9951	0.5322	3.4629
66A	SR	0.67	0.26	0.0180	0.04	1.07	1.1			
67A	SR	0.64	0.36	0.1235	0.04	1.00	0.99			
68A	BCR	0.41	0.41	1.8519	0.03	1.02	1.02	-3.0717	-0.412	3.4836
69A	SR	0.42	0.37	1.2965	0.04	0.98	0.99			
70A	SR	0.45	0.13	1.2079	0.04	1.22	1.34			
71A	BCR	0.43	0.35	1.8363	0.03	1.10	1.09	-3.3608	-0.0997	3.4605
72A	SR	0.76	0.31	-0.6218	0.05	1.00	1.08			

Note. 'A' indicates that it is a unique item appearing only on Form A.

Table C.6 The 2007 MSA-Reading Classical and IRT Item Parameters: Grade 5 Form B

Item Number	Item Type	P-Value	Point-Biserial	Rasch Difficulty	SE	Ms. Infit	Ms. Outfit	Step 0-1	Step 1-2	Step 2-3
4	SR	0.59	0.38	0.5100	0.04	1.00	0.98			
5	SR	0.56	0.35	0.5600	0.04	1.05	1.06			
6	SR	0.64	0.48	0.3700	0.04	0.89	0.83			
9	SR	0.93	0.25	-1.5200	0.06	0.71	0.68			
10	SR	0.90	0.39	-1.6419	0.07	0.90	0.65			
11	SR	0.84	0.23	-1.1100	0.06	1.07	1.3			
13	SR	0.86	0.18	-1.1400	0.06	1.04	2.06			
16	SR	0.85	0.34	-1.3201	0.06	0.97	0.94			
17	SR	0.80	0.39	-0.4700	0.05	0.88	0.79			
19	SR	0.75	0.23	-0.3700	0.05	1.10	1.2			
21	SR	0.82	0.38	-0.8888	0.05	0.96	0.89			
23	SR	0.57	0.33	0.4900	0.04	1.05	1.06			
25	SR	0.72	0.42	-0.1900	0.05	0.93	0.83			
26	SR	0.72	0.25	-0.2073	0.05	1.12	1.37			
28	SR	0.54	0.20	0.6177	0.04	1.17	1.29			
31	SR	0.58	0.43	0.4500	0.04	0.96	0.93			
32	SR	0.70	0.34	-0.0776	0.04	1.01	1.02			
33	SR	0.81	0.43	-0.6500	0.05	0.80	0.67			
34	SR	0.39	0.36	1.4400	0.04	0.98	1			
35	SR	0.68	0.46	0.0044	0.04	0.91	0.83			
37	SR	0.63	0.32	-0.0200	0.04	1.15	1.23			
41	SR	0.78	0.38	-0.3800	0.05	0.88	0.8			
44	SR	0.66	0.47	0.1666	0.04	0.90	0.82			
45	SR	0.56	0.39	0.6900	0.04	0.98	0.98			
49	SR	0.87	0.39	-1.4685	0.06	0.91	0.64			
61B	SR	0.55	0.44	0.7126	0.04	0.94	0.94			
62B	BCR	0.48	0.48	1.2424	0.04	0.94	0.93	-3.8438	-0.1524	3.9962
63B	SR	0.82	0.47	-0.9256	0.05	0.86	0.66			
64B	SR	0.51	0.28	0.9681	0.04	1.09	1.12			
65B	BCR	0.41	0.48	1.9756	0.04	0.92	0.91	-3.9258	0.2455	3.6803
66B	SR	0.81	0.44	-0.7653	0.05	0.89	0.7			
67B	SR	0.68	0.22	0.0330	0.04	1.19	1.36			
68B	BCR	0.42	0.39	1.6086	0.04	0.98	0.97	-3.8547	0.2498	3.6048
69B	SR	0.77	0.38	-0.4724	0.05	0.97	0.94			
70B	SR	0.68	0.14	-0.0251	0.04	1.19	1.47			
71B	BCR	0.47	0.53	1.4035	0.03	0.94	0.93	-2.6719	-0.4491	3.121
72B	SR	0.63	0.28	0.1946	0.04	1.10	1.14			

Note. 'B' indicates that it is a unique item appearing only on Form B.

Table C.7 The 2007 MSA-Reading Classical and IRT Item Parameters: Grade 6 Form A

Item Number	Item Type	P-Value	Point-Biserial	Rasch Difficulty	SE	Ms. Infit	Ms. Outfit	Step 0-1	Step 1-2	Step 2-3
1	SR	0.77	0.37	-0.6467	0.05	1.18	1.09			
5	SR	0.51	0.36	0.9241	0.04	1.04	1.06			
8	SR	0.59	0.39	0.7190	0.04	1.04	1.11			
9	SR	0.94	0.34	-1.8289	0.07	0.66	0.49			
10	SR	0.74	0.23	-0.2987	0.05	1.20	1.73			
14	SR	0.77	0.34	-0.2270	0.05	0.92	0.96			
16	SR	0.79	0.53	-0.5273	0.05	0.83	0.64			
18	SR	0.83	0.38	-0.9466	0.06	0.93	0.78			
21	SR	0.88	0.40	-1.6635	0.07	1.05	0.76			
22	SR	0.78	0.42	-0.4965	0.05	0.93	0.82			
23	SR	0.69	0.42	-0.0437	0.05	0.98	0.91			
24	SR	0.69	0.46	0.0022	0.05	0.97	0.93			
25	SR	0.68	0.29	0.2939	0.04	1.09	1.24			
28	SR	0.79	0.49	-0.3341	0.05	0.77	0.63			
29	SR	0.63	0.46	0.2820	0.04	0.97	0.90			
30	SR	0.69	0.38	0.3824	0.04	0.97	0.93			
32	SR	0.86	0.41	-1.2626	0.06	0.97	0.74			
33	SR	0.32	0.24	1.8873	0.04	1.09	1.30			
34	SR	0.81	0.30	-1.0083	0.06	1.23	1.76			
35	SR	0.64	0.38	0.5459	0.04	0.99	0.94			
36	SR	0.79	0.35	-0.4554	0.05	0.92	0.96			
37	SR	0.82	0.49	-0.8703	0.05	0.91	0.72			
38	SR	0.58	0.51	0.6399	0.04	0.90	0.85			
39	SR	0.88	0.45	-1.4312	0.06	0.83	0.55			
40	SR	0.78	0.43	-0.4922	0.05	0.94	0.84			
61A	SR	0.46	0.10	1.2967	0.04	1.35	1.54			
62A	BCR	0.47	0.46	0.9838	0.04	0.95	0.95	-3.9978	0.1002	3.8976
63A	SR	0.70	0.29	0.0096	0.05	1.11	1.25			
64A	SR	0.78	0.45	-0.5493	0.05	0.90	0.82			
65A	BCR	0.46	0.56	1.3890	0.03	0.90	0.90	-3.3172	0.0212	3.2961
66A	SR	0.70	0.45	0.0128	0.05	0.93	0.86			
67A	SR	0.49	0.40	1.1631	0.04	1.00	1.07			
68A	BCR	0.40	0.46	2.0624	0.03	0.99	1.00	-3.1815	0.1260	3.0555
69A	SR	0.89	0.35	-1.4390	0.06	0.95	0.89			
70A	SR	0.56	0.37	0.7441	0.04	1.04	1.09			
71A	BCR	0.40	0.54	1.5694	0.03	0.92	0.91	-1.9073	-0.0550	1.9623
72A	SR	0.61	0.14	0.4720	0.04	1.31	1.44			

Note. 'A' indicates that it is a unique item appearing only on Form A.

Table C.8 The 2007 MSA-Reading Classical and IRT Item Parameters: Grade 6 Form B

Item Number	Item Type	P-Value	Point-Biserial	Rasch Difficulty	SE	Ms. Infit	Ms. Outfit	Step 0-1	Step 1-2	Step 2-3
1	SR	0.77	0.36	-0.6467	0.05	1.19	1.10			
5	SR	0.51	0.37	0.9241	0.04	1.00	1.00			
8	SR	0.60	0.40	0.7190	0.04	1.00	1.04			
9	SR	0.94	0.33	-1.8289	0.07	0.67	0.44			
10	SR	0.74	0.22	-0.2987	0.05	1.17	1.34			
14	SR	0.78	0.35	-0.2270	0.05	0.90	0.83			
16	SR	0.80	0.53	-0.5273	0.05	0.81	0.65			
18	SR	0.84	0.38	-0.9466	0.06	0.89	0.74			
21	SR	0.89	0.41	-1.6635	0.07	1.06	0.70			
22	SR	0.78	0.41	-0.4965	0.05	0.97	0.89			
23	SR	0.70	0.42	-0.0437	0.05	0.99	0.93			
24	SR	0.70	0.46	0.0022	0.05	0.95	0.92			
25	SR	0.69	0.30	0.2939	0.04	1.04	1.10			
28	SR	0.79	0.49	-0.3341	0.05	0.78	0.62			
29	SR	0.63	0.47	0.2820	0.04	0.96	0.89			
30	SR	0.69	0.37	0.3824	0.04	0.96	0.98			
32	SR	0.86	0.41	-1.2626	0.06	0.88	0.66			
33	SR	0.32	0.25	1.8873	0.04	1.03	1.24			
34	SR	0.82	0.29	-1.0083	0.06	1.11	1.40			
35	SR	0.65	0.38	0.5459	0.04	0.94	0.90			
36	SR	0.79	0.33	-0.4554	0.05	0.98	0.96			
37	SR	0.82	0.47	-0.8703	0.05	0.93	0.75			
38	SR	0.58	0.51	0.6399	0.04	0.87	0.82			
39	SR	0.88	0.44	-1.4312	0.06	0.88	0.57			
40	SR	0.78	0.42	-0.4922	0.05	0.87	0.75			
61B	SR	0.50	0.09	1.1203	0.04	1.33	1.48			
62B	BCR	0.39	0.57	1.6868	0.03	0.85	0.84	-2.1096	-0.3222	2.4318
63B	SR	0.47	0.19	1.2314	0.04	1.20	1.34			
64B	SR	0.38	0.40	1.6474	0.04	0.95	0.99			
65B	BCR	0.38	0.45	1.9829	0.03	0.94	0.95	-3.1114	0.1952	2.9162
66B	SR	0.71	0.45	-0.0760	0.05	0.87	0.85			
67B	SR	0.47	0.29	1.1471	0.04	1.10	1.17			
68B	BCR	0.40	0.41	1.6954	0.03	1.07	1.07	-1.8039	-0.2437	2.0476
69B	SR	0.56	0.22	0.8038	0.04	1.20	1.30			
70B	SR	0.45	0.23	1.2334	0.04	1.16	1.24			
71B	BCR	0.54	0.56	1.0008	0.03	0.88	0.88	-1.5360	-0.7039	2.2399
72B	SR	0.54	0.08	0.8124	0.04	1.31	1.43			

Note. 'B' indicates that it is a unique item appearing only on Form B.

Table C.9 The 2007 MSA-Reading Classical and IRT Item Parameters: Grade 7 Form A

Item Number	Item Type	P-Value	Point-Biserial	Rasch Difficulty	SE	Ms. Infit	Ms. Outfit	Step 0-1	Step 1-2	Step 2-3
1	SR	0.89	0.38	-1.6474	0.06	0.91	0.67			
3	SR	0.85	0.25	-1.1065	0.06	1.02	1.19			
6	SR	0.47	0.46	1.2004	0.04	0.96	1.01			
8	SR	0.37	0.30	1.1216	0.04	1.08	1.18			
10	SR	0.62	0.24	0.3792	0.04	1.15	1.22			
14	SR	0.69	0.38	0.0457	0.04	0.94	0.95			
16	SR	0.65	0.36	0.1649	0.04	0.99	0.99			
20	SR	0.82	0.42	-1.1073	0.06	0.95	0.82			
22	SR	0.87	0.40	-1.5119	0.06	0.94	0.86			
23	SR	0.55	0.42	0.6159	0.04	0.99	0.99			
26	SR	0.77	0.24	-0.4347	0.05	1.10	1.44			
27	SR	0.52	0.26	0.8787	0.04	1.17	1.26			
28	SR	0.63	0.42	0.2107	0.04	0.98	0.99			
31	SR	0.58	0.35	0.5308	0.04	1.06	1.11			
32	SR	0.86	0.38	-1.3415	0.06	0.91	0.85			
33	SR	0.61	0.31	0.5246	0.04	1.10	1.21			
36	SR	0.89	0.31	-1.8027	0.07	1.06	1.05			
37	SR	0.71	0.49	-0.2783	0.05	0.88	0.77			
38	SR	0.73	0.37	-0.5500	0.05	1.02	1.01			
39	SR	0.63	0.30	0.2337	0.04	1.10	1.13			
40	SR	0.87	0.34	-1.3703	0.06	0.86	0.90			
41	SR	0.77	0.41	-0.5760	0.05	0.94	0.96			
42	SR	0.70	0.52	-0.3503	0.05	0.90	0.79			
43	SR	0.71	0.42	-0.3690	0.05	0.99	1.01			
44	SR	0.68	0.45	-0.0528	0.05	0.93	0.86			
61A	SR	0.66	0.30	0.0086	0.04	1.10	1.18			
62A	BCR	0.55	0.55	0.5418	0.04	0.87	0.85	-3.2089	-0.8134	4.0224
63A	SR	0.65	0.43	0.0527	0.04	0.97	0.91			
64A	SR	0.65	0.46	0.0459	0.04	0.92	0.86			
65A	BCR	0.42	0.58	1.7340	0.03	0.85	0.85	-2.6962	-0.5614	3.2576
66A	SR	0.72	0.26	-0.2786	0.05	1.14	1.23			
67A	SR	0.60	0.35	0.3226	0.04	1.07	1.09			
68A	BCR	0.47	0.51	0.9831	0.03	0.97	0.97	-3.2780	0.1664	3.1116
69A	SR	0.88	0.47	-1.5373	0.06	0.83	0.56			
70A	SR	0.77	0.49	-0.6676	0.05	0.89	0.77			
71A	BCR	0.44	0.53	1.1365	0.03	0.86	0.86	-3.2492	0.4938	2.7554
72A	SR	0.54	0.17	0.6768	0.04	1.26	1.41			

Note. 'A' indicates that it is a unique item appearing only on Form A.

Table C.10 The 2007 MSA-Reading Classical and IRT Item Parameters: Grade 7 Form B

Item Number	Item Type	P-Value	Point-Biserial	Rasch Difficulty	SE	Ms. Infit	Ms. Outfit	Step 0-1	Step 1-2	Step 2-3
1	SR	0.89	0.36	-1.6474	0.06	0.91	0.71			
3	SR	0.85	0.25	-1.1065	0.05	1.08	1.24			
6	SR	0.48	0.47	1.2004	0.04	0.93	0.99			
8	SR	0.37	0.31	1.1216	0.04	1.08	1.17			
10	SR	0.62	0.24	0.3792	0.04	1.14	1.25			
14	SR	0.69	0.38	0.0457	0.04	0.94	0.91			
16	SR	0.64	0.36	0.1649	0.04	1.02	1.00			
20	SR	0.83	0.41	-1.1073	0.05	0.94	0.82			
22	SR	0.87	0.39	-1.5119	0.06	0.95	0.97			
23	SR	0.54	0.42	0.6159	0.04	0.99	0.98			
26	SR	0.77	0.24	-0.4347	0.05	1.06	1.25			
27	SR	0.51	0.26	0.8787	0.04	1.16	1.25			
28	SR	0.63	0.42	0.2107	0.04	0.96	0.98			
31	SR	0.58	0.36	0.5308	0.04	1.04	1.05			
32	SR	0.85	0.37	-1.3415	0.06	0.98	0.89			
33	SR	0.61	0.32	0.5246	0.04	1.04	1.24			
36	SR	0.90	0.31	-1.8027	0.07	1.02	0.87			
37	SR	0.71	0.50	-0.2783	0.05	0.85	0.77			
38	SR	0.74	0.37	-0.5500	0.05	1.04	1.11			
39	SR	0.63	0.29	0.2337	0.04	1.13	1.22			
40	SR	0.87	0.35	-1.3703	0.06	0.86	0.86			
41	SR	0.77	0.42	-0.5760	0.05	0.92	0.83			
42	SR	0.71	0.51	-0.3503	0.05	0.89	0.76			
43	SR	0.71	0.43	-0.3690	0.05	1.00	1.10			
44	SR	0.68	0.45	-0.0528	0.04	0.91	0.83			
61B	SR	0.59	0.43	0.3754	0.04	0.96	0.91			
62B	BCR	0.53	0.51	0.5535	0.03	0.92	0.91	-3.6912	0.0403	3.6509
63B	SR	0.71	0.38	-0.2669	0.05	0.99	0.97			
64B	SR	0.53	0.34	0.7089	0.04	1.04	1.09			
65B	BCR	0.52	0.50	0.7465	0.03	0.90	0.90	-3.4363	-0.1985	3.6348
66B	SR	0.59	0.35	0.3701	0.04	1.04	1.12			
67B	SR	0.83	0.28	-0.9994	0.05	1.04	1.09			
68B	BCR	0.47	0.45	1.1703	0.04	0.99	0.99	-3.7139	0.0922	3.6216
69B	SR	0.27	0.41	2.1429	0.05	0.94	0.98			
70B	SR	0.73	0.26	-0.4029	0.05	1.12	1.29			
71B	BCR	0.50	0.52	1.1420	0.03	0.96	0.97	-2.8994	-0.4808	3.3802
72B	SR	0.54	0.31	0.6241	0.04	1.08	1.11			

Note. 'B' indicates that it is a unique item appearing only on Form B.

Table C.11 The 2007 MSA-Reading Classical and IRT Item Parameters: Grade 8 Form A

Item Number	Item Type	P-Value	Point-Biserial	Rasch Difficulty	SE	Ms. Infit	Ms. Outfit	Step 0-1	Step 1-2	Step 2-3
3	SR	0.62	0.39	0.0700	0.04	1.06	1.05			
6	SR	0.53	0.25	0.9600	0.04	1.13	1.18			
8	SR	0.54	0.37	0.5100	0.04	1.02	1.06			
9	SR	0.93	0.34	-1.5700	0.06	0.53	0.39			
22	SR	0.98	0.24	-3.6000	0.15	1.10	0.84			
23	SR	0.55	0.17	0.6400	0.04	1.18	1.31			
24	SR	0.58	0.25	0.6021	0.04	1.10	1.15			
25	SR	0.81	0.22	-0.8000	0.05	1.12	1.42			
26	SR	0.62	0.29	0.3900	0.04	1.06	1.09			
29	SR	0.71	0.41	-0.1900	0.04	0.94	0.89			
30	SR	0.62	0.32	0.3534	0.04	1.05	1.05			
31	SR	0.61	0.38	0.2000	0.04	1.05	1.15			
32	SR	0.52	0.19	0.9800	0.04	1.22	1.37			
33	SR	0.62	0.39	0.2900	0.04	1.00	0.96			
35	SR	0.76	0.27	-0.4600	0.05	1.01	1.17			
36	SR	0.53	0.20	0.8299	0.04	1.19	1.27			
37	SR	0.74	0.33	-0.2400	0.05	0.98	0.97			
38	SR	0.75	0.39	-0.4900	0.05	0.97	0.91			
39	SR	0.52	0.34	0.9049	0.04	1.04	1.09			
41	SR	0.85	0.26	-1.0200	0.05	0.97	1.28			
44	SR	0.73	0.48	-0.1600	0.04	0.82	0.77			
46	SR	0.80	0.43	-0.2200	0.05	0.76	0.66			
48	SR	0.70	0.49	-0.0500	0.04	0.85	0.76			
49	SR	0.74	0.34	-0.1600	0.04	1.00	0.99			
50	SR	0.73	0.40	-0.1800	0.04	0.90	0.86			
61A	SR	0.34	0.33	1.7184	0.04	1.02	1.09			
62A	BCR	0.55	0.55	0.4281	0.03	0.85	0.85	-2.9192	-0.0803	2.9995
63A	SR	0.82	0.36	-0.8649	0.05	0.94	1.21			
64A	SR	0.86	0.26	-1.2399	0.06	1.04	0.96			
65A	BCR	0.50	0.57	0.8175	0.03	0.87	0.87	-2.7566	-0.1481	2.9046
66A	SR	0.80	0.36	-0.8170	0.05	0.94	0.87			
67A	SR	0.56	0.41	0.6456	0.04	0.96	0.95			
68A	BCR	0.45	0.55	1.2712	0.03	0.90	0.90	-2.7023	-0.0236	2.7259
69A	SR	0.41	0.34	1.4585	0.04	1.00	1.06			
70A	SR	0.75	0.40	-0.3658	0.05	0.95	0.93			
71A	BCR	0.43	0.52	1.3742	0.04	0.88	0.88	-3.8384	0.4270	3.4114
72A	SR	0.69	0.33	-0.1350	0.05	1.02	1.04			

Note. 'A' indicates that it is a unique item appearing only on Form A.

Table C.12 The 2007 MSA-Reading Classical and IRT Item Parameters: Grade 8 Form B

Item Number	Item Type	P-Value	Point-Biserial	Rasch Difficulty	SE	Ms. Infit	Ms. Outfit	Step 0-1	Step 1-2	Step 2-3
3	SR	0.63	0.37	0.0700	0.04	1.07	1.04			
6	SR	0.53	0.23	0.9600	0.04	1.08	1.12			
8	SR	0.54	0.36	0.5100	0.04	1.02	0.99			
9	SR	0.93	0.35	-1.5700	0.06	0.62	0.40			
22	SR	0.98	0.25	-3.6000	0.15	0.91	0.75			
23	SR	0.55	0.15	0.6400	0.04	1.15	1.20			
24	SR	0.58	0.24	0.6408	0.04	1.02	1.05			
25	SR	0.81	0.22	-0.8000	0.05	1.06	1.14			
26	SR	0.63	0.28	0.3900	0.04	1.06	1.07			
29	SR	0.72	0.41	-0.1900	0.04	0.93	0.90			
30	SR	0.61	0.31	0.4163	0.04	1.03	1.02			
31	SR	0.62	0.37	0.2000	0.04	1.03	1.02			
32	SR	0.52	0.17	0.9800	0.04	1.17	1.28			
33	SR	0.62	0.38	0.2900	0.04	0.97	0.95			
35	SR	0.76	0.28	-0.4600	0.05	0.99	1.00			
36	SR	0.53	0.20	0.7995	0.04	1.14	1.21			
37	SR	0.74	0.33	-0.2400	0.05	0.93	0.87			
38	SR	0.75	0.38	-0.4900	0.05	0.99	0.95			
39	SR	0.52	0.32	0.8781	0.04	1.00	1.03			
41	SR	0.85	0.27	-1.0200	0.05	1.02	1.14			
44	SR	0.73	0.47	-0.1600	0.04	0.85	0.81			
46	SR	0.80	0.44	-0.2200	0.05	0.73	0.64			
48	SR	0.70	0.48	-0.0500	0.04	0.87	0.77			
49	SR	0.75	0.34	-0.1600	0.04	0.93	0.90			
50	SR	0.74	0.40	-0.1800	0.04	0.91	0.88			
61B	SR	0.64	0.45	0.2266	0.04	0.88	0.82			
62B	BCR	0.56	0.54	0.4596	0.03	0.85	0.84	-3.0584	-0.2356	3.2940
63B	SR	0.92	0.45	-1.9561	0.07	0.85	0.50			
64B	SR	0.69	0.30	-0.0410	0.04	1.02	1.04			
65B	BCR	0.50	0.54	0.8603	0.03	0.83	0.83	-2.7890	-0.0510	2.8400
66B	SR	0.53	0.09	0.7404	0.04	1.24	1.35			
67B	SR	0.60	0.14	0.5508	0.04	1.17	1.30			
68B	BCR	0.52	0.50	0.7356	0.03	0.89	0.89	-2.4394	0.0959	2.3435
69B	SR	0.81	0.50	-0.7751	0.05	0.84	0.70			
70B	SR	0.65	0.16	0.2330	0.04	1.17	1.28			
71B	BCR	0.51	0.56	0.9936	0.03	0.81	0.81	-2.0250	-0.3500	2.3750
72B	SR	0.57	0.03	0.5625	0.04	1.29	1.47			

Note. 'A' indicates that it is a unique item appearing only on Form A.