3. CENTRAL TENDENCY MEASURES AND CLASSICAL ITEM ANALYSES OF THE 2010 MOD-MSA: READING

This section provides central tendency statistics and results of classical statistical item analyses for students in grades 3 through 8.

The analyses provided for the central tendency measures of the operational test are based on the statewide population. However, the item level statistics are based on the equating sample mainly because those are the item statistics that were used in selecting the operational items and are stored in the item bank. In the absence of a table note, the analyses in this report will be assumed to be based on the equating sample.

3.1. Measures of Central Tendency

The classical measures of central tendency, variability, and score precision of raw scores are presented in Table 3.2.1 by grades for each strand as well as the total operational test. The tables include the following:

- Number of items by strands and the total test
- Maximum score attainable
- N-Count (sample size)
- Mean (average raw score)
- SD (standard deviation)
- SE (standard error of the mean)

Standard Error of the Mean

The standard error of the mean (SE) is an estimate of the magnitude of sampling error associated in the estimation of the population mean. It is defined as follows:

$$SE = \frac{\hat{\sigma}}{\sqrt{n}}, \text{ where}$$

SE = standard error of the mean
$\hat{\sigma}$ = standard deviation of the sample
n = number of responses in the sample

Table 3.1.1. Central Tendency Statistics of the Operational Test by Subscales and Grades

Grade	Modality (Strand)	# Items	Max Points	N Count	RS Mean	SD	SE
3	General Reading	16	16	1058	9.76	2.94	0.09
	Literary	14	14	1058	8.37	2.81	0.09
	Informational	15	15	1058	7.74	2.90	0.09
	Total Test	45	45	1058	25.87	7.36	0.23
4	General Reading	15	15	1335	9.42	2.82	0.08
	Literary	15	15	1335	7.80	2.76	0.08
	Informational	15	15	1335	7.61	2.86	0.08
	Total Test	45	45	1335	24.83	7.04	0.19
5	General Reading	15	15	1459	10.21	2.97	0.08
	Literary	15	15	1459	7.83	2.66	0.07
	Informational	15	15	1459	6.65	2.56	0.07
	Total Test	45	45	1459	26.68	6.71	0.16
6	General Reading	15	15	1356	9.05	2.92	0.08
	Literary	15	15	1356	8.33	2.73	0.07
	Informational	15	15	1356	7.84	2.73	0.07
	Total Test	45	45	1356	25.22	6.92	0.19
7	General Reading	15	15	1702	9.83	2.47	0.06
	Literary	15	15	1702	8.98	2.74	0.07
	Informational	15	15	1702	7.16	2.79	0.07
	Total Test	45	45	1702	25.97	6.54	0.16
8	General Reading	15	16	1969	9.75	2.87	0.06
	Literary	15	14	1969	8.77	2.77	0.06
	Informational	15	15	1969	8.71	2.65	0.06
	Total Test	45	45	1969	27.23	6.89	0.16

Note: Analyses were conducted with the statewide population after applying equating exclusion criteria.

3.2. Item-Level Descriptive Statistics

This section presents the raw score summary statistics for all items in the Mod-MSA: Reading spring 2010 within the framework of classical test theory (CTT). The *p*-value for each item is defined as the proportion of students that answer an item correctly for the multiple choice items. A high *p*-value means that an item is easy; a low *p*-value means that an item is difficult.

The point biserial correlation for each item is an index of the association between the item score and the total test score. It shows the ability of the item to discriminate between low proficiency and high proficiency students. An item with a high point biserial correlation discriminates more effectively between the low and the high proficiency students than a low point biserial correlation.

The item-level statistics for the operational and the embedded field test items for the 2010 Mod-MSA: Reading based on the equating sample are presented in Table 3.2.1 to Table 3.2.6. The following item information and statistics are presented for each item:

- Item number based on their sequential appearance in the form.

- Item UIN number
- Item strand
- N-count (number of students)
- Response options
- *P*-value for multiple choice items (percentage of examinees that answered the item correctly)
- Point biserial (index of discrimination between high and low scoring students)

Item distractor analyses are provided in Appendix B. These analyses include

- Item UIN number
- Item strand number
- Item mean
- Item standard deviation
- Percentage of distribution by distractors
- Percent of omits
- Distractor-to-total correlation.

Table 3.2.1 The 2010 Mod-MSA: Reading Classical Item Statistics: Grade 3

Item Seq. No	Item UIN	Strand No.[1]	N-Count[2]	Response Options	P-Value	Point-Biserial
1	100000213631	208	813	4	0.73	0.32
2	100000360181	208	813	4	0.29	0.26
3	100000213633	208	813	4	0.80	0.48
4	100000213634	208	813	4	0.38	0.34
5	100000360182	208	813	4	0.42	0.32
6	100000101512	208	813	3	0.51	0.25
7	100000101513	208	813	3	0.56	0.25
8	100000101514	208	813	3	0.62	0.38
9	100000360183	208	813	3	0.58	0.24
10	100000101516	208	813	3	0.42	0.21
11	100000101517	208	813	3	0.32	0.20
12	100000101518	208	813	3	0.56	0.20
13	100000360184	208	813	3	0.48	0.23
14	100000101969	208	813	3	0.69	0.46
15	100000101970	208	813	3	0.50	0.36
16	100000101971	209	813	3	0.40	0.22
17	100000101972	209	813	3	0.46	0.14
18	100000101973	209	813	3	0.37	0.17
19	100000101974	209	813	3	0.43	0.32
20	100000101975	209	813	3	0.45	0.15
21	100000101932	208	813	3	0.59	0.27
22	100000101934	209	813	3	0.52	0.31
23	100000101935	209	813	3	0.40	0.07
24	100000101933	208	813	3	0.37	0.23
25	100000101936	209	813	3	0.52	0.21
26	100000101937	209	813	3	0.63	0.35
27	100000101938	209	813	3	0.47	0.29
28	100000346452	208	813	3	0.60	0.29
29	100000346453	208	813	3	0.59	0.37
30	100000346444	209	813	3	0.44	0.26
31	100000346446	209	813	3	0.39	0.08
32	100000346450	209	813	3	0.74	0.40
33	100000346445	209	813	3	0.46	0.38
34	100000346448	209	813	3	0.49	0.27
35	100000260458	209	813	3	0.42	0.18
36	100000260460	209	813	3	0.59	0.21
37	100000260461	209	813	3	0.56	0.30
38	100000312661	208	813	3	0.58	0.27
39	100000260457	209	813	3	0.51	0.20
40	100000260459	209	813	3	0.37	0.19
41	100000260465	208	813	3	0.58	0.26
42	100000101905	208	813	3	0.74	0.36

Table 3.2.1 The 2010 Mod-MSA: Reading Classical Item Statistics: Grade 3 (Continued)

Item Seq. No	Item UIN	Strand No.[1]	N-Count[2]	Response Options	P-Value	Point-Biserial
43	100000101906	208	813	3	0.40	0.28
44	100000101907	212	813	3	0.48	0.32
45	100000101908	212	813	3	0.71	0.47
46	100000101909	212	813	3	0.58	0.38
47	100000101910	212	813	3	0.56	0.05
48	100000101911	212	813	3	0.70	0.37
49	100000101529	212	813	3	0.83	0.38
50	100000101530	212	813	3	0.65	0.43
51	100000101531	212	813	3	0.24	0.06
52	100000101532	212	813	3	0.46	0.13
53	100000101527	208	813	3	0.60	0.33
54	100000101528	208	813	3	0.53	0.34
55	100000101533	212	813	3	0.69	0.31
56	100000260338	208	813	3	0.65	0.22
57	100000260342	209	813	3	0.51	0.30
58	100000260345	212	813	3	0.32	0.14
59	100000365154	212	813	3	0.44	0.26
60	100000260349	209	813	3	0.23	0.15
61	100000260339	212	813	3	0.57	0.35
62	100000300707	208	813	3	0.40	0.20
63	100000260364	212	813	3	0.38	0.04
64	100000260368	212	813	3	0.67	0.34
65	100000260371	212	813	3	0.51	0.16
66	100000300557	212	813	3	0.39	0.28
67	100000260372	208	813	3	0.74	0.44
68	100000260365	212	813	3	0.73	0.35
69	100000300552	208	813	3	0.65	0.47

Note: 1. 208=General Reading, 209=Literary, 212=Informational
2. These analyses are based on the equating sample used with the exclusion criteria.

Table 3.2.2. The 2010 Mod-MSA: Reading Classical Item Statistics: Grade 4

Item Seq. No	Item UIN	Strand No.[1]	N-Count[2]	Response Options	P-Value	Point-Biserial
1	100000213644	208	967	3	0.36	0.14
2	100000213645	208	967	3	0.50	0.14
3	100000213646	208	967	3	0.47	0.12
4	100000213647	208	967	3	0.59	0.33
5	100000360190	208	967	3	0.23	0.12
6	100000213637	208	967	4	0.69	0.39
7	100000213638	208	967	4	0.69	0.38
8	100000213639	208	967	4	0.36	0.12
9	100000360191	208	967	4	0.38	0.25
10	100000213641	208	967	4	0.78	0.36
11	100000213642	208	967	4	0.66	0.40
12	100000360192	208	967	4	0.73	0.39
13	100000357134	209	967	3	0.67	0.33
14	100000357132	208	967	3	0.45	0.18
15	100000357133	208	967	3	0.74	0.37
16	100000357135	209	967	3	0.45	0.10
17	100000357136	209	967	3	0.57	0.36
18	100000357137	209	967	3	0.56	0.36
19	100000357138	209	967	3	0.41	0.27
20	100000357106	209	967	3	0.52	0.16
21	100000357104	208	967	3	0.65	0.37
22	100000357107	209	967	3	0.61	0.34
23	100000357105	208	967	3	0.63	0.31
24	100000357108	209	967	3	0.49	0.28
25	100000357109	209	967	3	0.73	0.36
26	100000357110	209	967	3	0.59	0.17
27	100000260487	209	967	3	0.41	0.07
28	100000260486	209	967	3	0.25	0.28
29	100000260483	208	967	3	0.57	0.27
30	100000260481	208	967	3	0.50	0.35
31	100000260489	209	967	3	0.64	0.26
32	100000260488	209	967	3	0.26	0.25
33	100000260492	209	967	3	0.28	0.16
34	100000269896	209	967	3	0.55	0.31
35	100000271197	208	967	3	0.38	0.35
36	100000271198	208	967	3	0.57	0.33
37	100000269900	209	967	3	0.33	0.15
38	100000269897	209	967	3	0.46	0.19
39	100000269898	209	967	3	0.41	0.26
40	100000269899	209	967	3	0.42	0.25
41	100000357097	212	967	3	0.27	0.08
42	100000357095	208	967	3	0.60	0.28

Table 3.2.2. The 2010 Mod-MSA: Reading Classical Item Statistics: Grade 4 (Continued)

Item Seq. No	Item UIN	Strand No.[1]	N-Count[2]	Response Options	P-Value	Point-Biserial
43	100000357098	212	967	3	0.33	0.23
44	100000462160	212	967	3	0.31	0.00
45	100000357100	212	967	3	0.40	0.13
46	100000357101	212	967	3	0.59	0.26
47	100000462157	208	967	3	0.58	0.33
48	100000101997	208	967	3	0.52	0.21
49	100000101996	212	967	3	0.43	0.33
50	100000101998	212	967	3	0.44	0.21
51	100000101999	212	967	3	0.42	0.24
52	100000102000	212	967	3	0.52	0.22
53	100000102001	212	967	3	0.49	0.29
54	100000200070	208	967	3	0.51	0.30
55	100000102025	208	967	3	0.30	0.14
56	100000102026	208	967	3	0.44	0.15
57	100000102027	212	967	3	0.53	0.36
58	100000102023	212	967	3	0.47	0.27
59	100000102024	212	967	3	0.69	0.21
60	100000102028	212	967	3	0.46	0.34
61	100000102029	212	967	3	0.58	0.31
62	100000301035	208	967	3	0.67	0.39
63	100000267470	208	967	3	0.63	0.38
64	100000267467	212	967	3	0.85	0.34
65	100000301034	212	967	3	0.69	0.32
66	100000267473	212	967	3	0.50	0.20
67	100000267474	212	967	3	0.53	0.06
68	100000267472	212	967	3	0.61	0.28

Note: 1. 208=General Reading, 209=Literary, 212=Informational
2. These analyses are based on the equating sample used with the exclusion criteria.

Table 3.2.3. The 2010 Mod-MSA: Reading Classical Item Statistics: Grade 5

Item Seq. No	Item UIN	Strand No.[1]	N-Count[2]	Response Options	P-Value	Point-Biserial
1	100000213650	208	1043	4	0.67	0.30
2	100000213651	208	1043	4	0.69	0.32
3	100000213652	208	1043	4	0.68	0.28
4	100000213653	208	1043	4	0.73	0.37
5	100000360196	208	1043	4	0.38	0.16
6	100000213655	208	1043	4	0.73	0.31
7	100000213656	208	1043	4	0.78	0.41
8	100000213657	208	1043	4	0.69	0.39
9	100000213658	208	1043	4	0.49	0.08
10	100000213659	208	1043	4	0.65	0.29
11	100000360197	208	1043	4	0.62	0.31
12	100000102095	209	1043	3	0.51	0.24
13	100000102093	208	1043	3	0.73	0.33
14	100000102094	208	1043	3	0.32	0.23
15	100000102096	209	1043	3	0.50	0.20
16	100000102097	209	1043	3	0.37	0.05
17	100000102098	209	1043	3	0.37	0.11
18	100000102099	209	1043	3	0.34	0.13
19	100000102113	209	1043	3	0.51	0.35
20	100000102111	208	1043	3	0.70	0.35
21	100000102114	209	1043	3	0.51	0.30
22	100000102115	209	1043	3	0.34	0.25
23	100000102116	209	1043	3	0.50	0.28
24	100000102112	208	1043	3	0.72	0.27
25	100000102117	209	1043	3	0.35	0.05
26	100000102104	209	1043	3	0.53	0.23
27	100000102102	208	1043	3	0.60	0.21
28	100000102103	208	1043	3	0.61	0.23
29	100000102105	209	1043	3	0.32	0.10
30	100000102106	209	1043	3	0.65	0.28
31	100000102107	209	1043	3	0.33	0.22
32	100000102108	209	1043	3	0.40	0.20
33	100000102086	209	1043	3	0.37	0.05
34	100000102084	208	1043	3	0.62	0.23
35	100000102087	209	1043	3	0.42	0.13
36	100000102088	209	1043	3	0.30	0.06
37	100000102089	209	1043	3	0.23	-0.03
38	100000102085	208	1043	3	0.55	0.15
39	100000102090	209	1043	3	0.38	0.24
40	100000102046	208	1043	3	0.78	0.40
41	100000102048	212	1043	3	0.55	0.18

Table 3.2.3. The 2010 Mod-MSA: Reading Classical Item Statistics: Grade 5 (Continued)

Item Seq. No	Item UIN	Strand No.[1]	N-Count[2]	Response Options	P-Value	Point-Biserial
42	100000102049	212	1043	3	0.33	0.06
43	100000102050	212	1043	3	0.70	0.24
44	100000102051	212	1043	3	0.47	0.16
45	100000102052	208	1043	3	0.63	0.28
46	100000102047	212	1043	3	0.61	0.35
47	100000102056	208	1043	3	0.47	0.17
48	100000102058	212	1043	3	0.18	-0.04
49	100000102059	212	1043	3	0.60	0.26
50	100000102060	212	1043	3	0.36	0.20
51	100000102061	212	1043	3	0.50	0.23
52	100000102057	208	1043	3	0.39	0.13
53	100000102062	212	1043	3	0.27	0.04
54	100000102068	212	1043	3	0.58	0.28
55	100000102069	212	1043	3	0.37	0.31
56	100000102066	208	1043	3	0.54	0.18
57	100000102067	208	1043	3	0.67	0.34
58	100000102070	212	1043	3	0.24	-0.07
59	100000102071	212	1043	3	0.47	0.13
60	100000102072	212	1043	3	0.62	0.36
61	100000267477	212	1043	3	0.47	0.25
62	100000268378	212	1043	3	0.30	0.25
63	100000267485	208	1043	3	0.38	0.29
64	100000268380	212	1043	3	0.43	0.28
65	100000267481	212	1043	3	0.29	0.16
66	100000301339	208	1043	3	0.47	0.21
67	100000303033	212	1043	3	0.59	0.37

Note: 1. 208=General Reading, 209=Literary, 212=Informational
2. These analyses are based on the equating sample used with the exclusion criteria.

Table 3.2.4 The 2010 Mod-MSA: Reading Classical Item Statistics: Grade 6

Item Seq. No	Item UIN	Strand No.[1]	N-Count[2]	Response Options	P-Value	Point-Biserial
1	100000213662	208	975	4	0.69	0.41
2	100000213663	208	975	4	0.76	0.47
3	100000213664	208	975	4	0.54	0.28
4	100000213665	208	975	4	0.65	0.40
5	100000213666	208	975	4	0.57	0.17
6	100000360201	208	975	4	0.19	0.12
7	100000213668	208	975	4	0.68	0.37
8	100000213669	208	975	4	0.25	0.18
9	100000213670	208	975	4	0.77	0.34
10	100000213671	208	975	4	0.52	0.28
11	100000360202	208	975	4	0.69	0.36
12	100000102192	209	975	3	0.60	0.42
13	100000102194	209	975	3	0.54	0.21
14	100000102191	208	975	3	0.68	0.40
15	100000102195	209	975	3	0.61	0.26
16	100000102196	209	975	3	0.44	0.23
17	100000102174	209	975	3	0.51	0.14
18	100000102175	209	975	3	0.33	0.15
19	100000102173	208	975	3	0.64	0.33
20	100000102176	209	975	3	0.43	0.26
21	100000102178	209	975	3	0.51	0.19
22	100000269999	208	975	3	0.86	0.37
23	100000269997	209	975	3	0.56	0.25
24	100000270006	209	975	3	0.71	0.40
25	100000269998	209	975	3	0.44	0.17
26	100000270000	208	975	3	0.69	0.35
27	100000270005	209	975	3	0.66	0.38
28	100000270007	209	975	3	0.45	0.25
29	100000270016	208	975	3	0.30	0.07
30	100000270018	208	975	3	0.45	0.12
31	100000270021	209	975	3	0.39	0.17
32	100000270022	209	975	3	0.47	0.02
33	100000270023	209	975	3	0.41	0.07
34	100000270013	209	975	3	0.41	0.23
35	100000270020	209	975	3	0.44	0.28
36	100000257087	208	975	3	0.75	0.33
37	100000257088	208	975	3	0.58	0.40
38	100000257113	212	975	3	0.36	0.05
39	100000257114	212	975	3	0.42	0.18
40	100000257118	212	975	3	0.67	0.31
41	100000257119	212	975	3	0.62	0.36

Table 3.2.4. The 2010 Mod-MSA: Reading Classical Item Statistics: Grade 6 (Continued)

Item Seq. No	Item UIN	Strand No.[1]	N-Count[2]	Response Options	P-Value	Point-Biserial
42	100000257120	212	975	3	0.42	0.17
43	100000257102	212	975	3	0.52	0.36
44	100000257072	208	975	3	0.34	0.08
45	100000257103	212	975	3	0.44	0.15
46	100000257104	212	975	3	0.50	0.21
47	100000257071	208	975	3	0.59	0.28
48	100000257100	212	975	3	0.55	0.34
49	100000257101	212	975	3	0.30	0.12
50	100000102136	212	975	3	0.70	0.29
51	100000102137	212	975	3	0.54	0.18
52	100000102139	212	975	3	0.60	0.08
53	100000102140	212	975	3	0.55	0.16
54	100000257081	208	975	3	0.74	0.35
55	100000257110	212	975	3	0.60	0.34
56	100000257083	208	975	3	0.46	0.39
57	100000257106	212	975	3	0.59	0.41
58	100000257107	212	975	3	0.39	0.28
59	100000257109	212	975	3	0.56	0.45
60	100000257112	212	975	3	0.83	0.49

Note: 1. 208=General Reading, 209=Literary, 212=Informational
2. These analyses are based on the equating sample used with the exclusion criteria.

Table 3.2.5. The 2010 Mod-MSA: Reading Classical Item Statistics: Grade 7

Item Seq. No	Item UIN	Strand No.[1]	N-Count[2]	Response Options	P-Value	Point-Biserial
1	100000213674	208	1158	4	0.67	0.42
2	100000213675	208	1158	4	0.78	0.34
3	100000213676	208	1158	4	0.35	0.23
4	100000360204	208	1158	4	0.29	0.17
5	100000213678	208	1158	4	0.74	0.33
6	100000213679	208	1158	4	0.68	0.40
7	100000360205	208	1158	4	0.35	0.33
8	100000270578	208	1158	3	0.62	0.28
9	100000270572	209	1158	3	0.52	0.13
10	100000270574	209	1158	3	0.42	0.29
11	100000322011	209	1158	3	0.62	0.29
12	100000270580	208	1158	3	0.81	0.41
13	100000270571	209	1158	3	0.38	0.18
14	100000270575	209	1158	3	0.70	0.43
15	100000270109	209	1158	3	0.42	0.25
16	100000270112	209	1158	3	0.39	0.11
17	100000270113	208	1158	3	0.52	0.22
18	100000270114	208	1158	3	0.56	0.25
19	100000270111	209	1158	3	0.41	-0.01
20	100000270107	209	1158	3	0.34	0.07
21	100000270121	209	1158	3	0.56	0.30
22	100000102276	209	1158	3	0.48	0.25
23	100000102277	209	1158	3	0.34	0.20
24	100000102274	208	1158	3	0.41	0.13
25	100000102278	209	1158	3	0.46	0.31
26	100000102279	209	1158	3	0.41	0.24
27	100000102263	208	1158	3	0.58	0.25
28	100000102267	209	1158	3	0.43	0.08
29	100000102268	209	1158	3	0.50	0.36
30	100000102269	209	1158	3	0.42	0.22
31	100000102266	209	1158	3	0.33	0.14
32	100000257181	208	1158	3	0.65	0.14
33	100000257182	208	1158	3	0.79	0.34
34	100000257216	212	1158	3	0.69	0.36
35	100000257218	212	1158	3	0.76	0.39
36	100000257219	212	1158	3	0.47	0.13
37	100000257215	212	1158	3	0.87	0.26
38	100000257221	212	1158	3	0.53	0.20
39	100000102244	208	1158	3	0.84	0.41
40	100000102246	212	1158	3	0.58	0.20
41	100000102247	212	1158	3	0.75	0.47

Table 3.2.5. The 2010 Mod-MSA: Reading Classical Item Statistics: Grade 7 (Continued)

Item Seq. No	Item UIN	Strand No.[1]	N-Count[2]	Response Options	P-Value	Point-Biserial
42	100000102248	212	1158	3	0.51	0.15
43	100000102245	208	1158	3	0.80	0.34
44	100000102218	212	1158	3	0.50	0.35
45	100000102220	212	1158	3	0.58	0.37
46	100000102221	212	1158	3	0.47	0.35
47	100000102222	212	1158	3	0.61	0.29
48	100000102217	208	1158	3	0.63	0.24
49	100000257202	208	1158	3	0.84	0.29
50	100000257769	212	1158	3	0.53	0.12
51	100000257770	212	1158	3	0.40	0.14
52	100000257773	212	1158	3	0.73	0.38
53	100000322795	208	1158	3	0.52	0.21
54	100000257767	212	1158	3	0.66	0.26
55	100000257772	212	1158	3	0.51	0.36

Note: 1. 208=General Reading, 209=Literary, 212=Informational
2. These analyses are based on the equating sample used with the exclusion criteria

Table 3.2.6. The 2010 Mod-MSA: Reading Classical Item Statistics: Grade 8

Item Seq. No	Item UIN	Strand No.[1]	N-Count[2]	Response Options	P-Value	Point-Biserial
1	100000213683	208	1268	4	0.83	0.23
2	100000213684	208	1268	4	0.67	0.22
3	100000360208	208	1268	4	0.43	0.15
4	100000213686	208	1268	4	0.50	0.26
5	100000213687	208	1268	4	0.60	0.24
6	100000213688	208	1268	4	0.63	0.32
7	100000360209	208	1268	4	0.53	0.26
8	100000270136	209	1268	3	0.44	0.11
9	100000270132	209	1268	3	0.80	0.26
10	100000273591	208	1268	3	0.55	0.28
11	100000270131	209	1268	3	0.38	0.22
12	100000270135	209	1268	3	0.52	0.24
13	100000270137	209	1268	3	0.57	0.18
14	100000304610	208	1268	3	0.37	0.16
15	100000102331	209	1268	3	0.86	0.28
16	100000102329	208	1268	3	0.56	0.12
17	100000102330	208	1268	3	0.60	0.30
18	100000102334	209	1268	3	0.47	0.06
19	100000102335	209	1268	3	0.85	0.30
20	100000270154	209	1268	3	0.40	0.03
21	100000270155	209	1268	3	0.43	-0.02
22	100000270158	209	1268	3	0.50	0.23
23	100000273597	208	1268	3	0.70	0.31
24	100000270163	209	1268	3	0.50	0.24
25	100000270159	209	1268	3	0.77	0.36
26	100000273595	208	1268	3	0.40	0.06
27	100000102341	208	1268	3	0.67	0.35
28	100000102343	209	1268	3	0.57	0.23
29	100000102344	209	1268	3	0.70	0.28
30	100000102346	209	1268	3	0.55	0.37
31	100000102345	209	1268	3	0.63	0.37
32	100000257161	212	1268	3	0.53	0.15
33	100000302728	212	1268	3	0.42	0.10
34	100000257787	208	1268	3	0.37	0.16
35	100000257788	208	1268	3	0.73	0.33
36	100000257158	212	1268	3	0.56	0.35
37	100000257160	212	1268	3	0.60	0.32
38	100000257163	212	1268	3	0.74	0.32
39	100000102320	208	1268	3	0.78	0.22
40	100000102322	212	1268	3	0.65	0.13
41	100000102323	212	1268	3	0.51	0.14

Table 3.2.6. The 2010 Mod-MSA: Reading Classical Item Statistics: Grade 8 (Continued)

Item Seq. No	Item UIN	Strand No.[1]	N-Count[2]	Response Options	P-Value	Point-Biserial
42	100000102324	212	1268	3	0.62	0.39
43	100000102321	208	1268	3	0.76	0.31
44	100000257139	212	1268	3	0.31	0.05
45	100000257140	212	1268	3	0.71	0.12
46	100000257141	212	1268	3	0.48	0.15
47	100000257144	212	1268	3	0.58	0.28
48	100000257777	208	1268	3	0.46	0.21
49	100000302674	208	1268	3	0.56	0.22
50	100000302675	212	1268	3	0.70	0.37
51	100000102304	212	1268	3	0.57	0.18
52	100000102305	212	1268	3	0.66	0.30
53	100000102302	208	1268	3	0.53	0.33
54	100000102307	212	1268	3	0.68	0.32
55	100000102308	212	1268	3	0.66	0.39

Note: 1. 208=General Reading, 209=Literary, 212=Informational
2. These analyses are based on the equating sample used with the exclusion criteria.