



**California Department of Education
Assessment Development &
Administration Division**



**Summative English Language
Proficiency Assessments for California
Technical Report
2017–18 Administration**

Chapter 8 Appendices

**Final Submitted October 11, 2019
Educational Testing Service**



Contract No. CN140284

Table of Contents

Appendix 8.A. Classical Item Analyses	1
Appendix 8.B: Item Response Theory Parameter Estimates	23
Appendix 8.C. Reliability Estimates	43
Appendix 8.D. Raw-to-Scale-Score Conversions	50
Appendix 8.E. Interrater Agreement for Writing Items	76
Appendix 8.F. Classification Consistency and Accuracy	78

List of Tables

Table 8.A.1 Item Analysis—Listening for Kindergarten	1
Table 8.A.2 Item Analysis—Listening for Grade One	2
Table 8.A.3 Item Analysis—Listening for Grade Two	3
Table 8.A.4 Item Analysis—Listening for Grade Span Three Through Five	4
Table 8.A.5 Item Analysis—Listening for Grade Span Six Through Eight	5
Table 8.A.6 Item Analysis—Listening for Grade Span Nine Through Ten	6
Table 8.A.7 Item Analysis—Listening for Grade Span Eleven Through Twelve	7
Table 8.A.8 Item Analysis—Speaking for Kindergarten.....	7
Table 8.A.9 Item Analysis—Speaking for Grade One.....	8
Table 8.A.10 Item Analysis—Speaking for Grade Two.....	8
Table 8.A.11 Item Analysis—Speaking for Grade Span Three Through Five.....	9
Table 8.A.12 Item Analysis—Speaking for Grade Span Six Through Eight.....	9
Table 8.A.13 Item Analysis—Speaking for Grade Span Nine Through Ten	10
Table 8.A.14 Item Analysis—Speaking for Grade Span Eleven Through Twelve.....	10
Table 8.A.15 Item Analysis—Reading for Kindergarten	11
Table 8.A.16 Item Analysis—Reading for Grade One	11
Table 8.A.17 Item Analysis—Reading for Grade Two	12
Table 8.A.18 Item Analysis—Reading for Grade Span Three Through Five	13
Table 8.A.19 Item Analysis—Reading for Grade Span Six Through Eight	14
Table 8.A.20 Item Analysis—Reading for Grade Span Nine Through Ten	15
Table 8.A.21 Item Analysis—Reading for Grade Span Eleven Through Twelve	16
Table 8.A.22 Item Analysis—Writing by Grade Level or Grade Span.....	17
Table 8.A.23 Distribution of Item Scores for Speaking Items with Multiple Score Points.....	19
Table 8.A.24 Distribution of Item Scores for Writing items with Multiple Score Points.....	21
Table 8.B.1 Distribution of IRT <i>a</i> -values for Oral Language Skill by Grade Level and Grade Span	23
Table 8.B.2 Distribution of IRT <i>a</i> -values for Written Language Skill by Grade Level and Grade Span	24
Table 8.B.3 Distribution of IRT <i>b</i> -values for Oral Language Skill by Grade Level and Grade Span	25
Table 8.B.4 Distribution of IRT <i>b</i> -values for Written Language Skill by Grade Level and Grade Span	27
Table 8.B.5 IRT Item Statistics by Domain for Kindergarten	29
Table 8.B.6 IRT Item Statistics by Domain for Grade One	31
Table 8.B.7 IRT Item Statistics by Domain for Grade Two	33

Table 8.B.8 IRT Item Statistics by Domain for Grade Span Three Through Five	35
Table 8.B.9 IRT Item Statistics by Domain for Grade Span Six Through Eight	37
Table 8.B.10 IRT Item Statistics by Domain for Grade Span Nine Through Ten	39
Table 8.B.11 IRT Item Statistics by Domain for Grade Span Eleven Through Twelve	41
Table 8.C.1 Reliability Estimates by Student Groups for Kindergarten.....	43
Table 8.C.2 Reliability Estimates by Student Groups for Grade One	44
Table 8.C.3 Reliability Estimates by Student Groups for Grade Two	45
Table 8.C.4 Reliability Estimates by Student Groups for Grade Span Three Through Five .	46
Table 8.C.5 Reliability Estimates by Student Groups for Grade Span Six Through Eight	47
Table 8.C.6 Reliability Estimates by Student Groups for Grade Span Nine Through Ten	48
Table 8.C.7 Reliability Estimates by Student Groups for Grade Span Eleven Through Twelve	49
Table 8.D.1 Raw-to-Scale-Score Conversion Table for Oral, Kindergarten.....	50
Table 8.D.2 Raw-to-Scale-Score Conversion Table for Written, Kindergarten	52
Table 8.D.3 Raw-to-Scale-Score Conversion Table for Oral, Grade One	53
Table 8.D.4 Raw-to-Scale-Score Conversion Table for Written, Grade One.....	55
Table 8.D.5 Raw-to-Scale-Score Conversion Table for Oral, Grade Two	56
Table 8.D.6 Raw-to-Scale-Score Conversion Table for Written, Grade Two.....	58
Table 8.D.7 Raw-to-Scale-Score Conversion Table for Oral, Grade Span Three Through Five	60
Table 8.D.8 Raw-to-Scale-Score Conversion Table for Written, Grade Span Three Through Five	62
Table 8.D.9 Raw-to-Scale-Score Conversion Table for Oral, Grade Span Six Through Eight.....	64
Table 8.D.10 Raw-to-Scale-Score Conversion Table for Written, Grade Span Six Through Eight.....	66
Table 8.D.11 Raw-to-Scale-Score Conversion Table for Oral, Grade Span Nine Through Ten	68
Table 8.D.12 Raw-to-Scale-Score Conversion Table for Written, Grade Span Nine Through Ten.....	70
Table 8.D.13 Raw-to-Scale-Score Conversion Table for Oral, Grade Span Eleven Through Twelve	72
Table 8.D.14 Raw-to-Scale-Score Conversion Table for Written, Grade Span Eleven Through Twelve.....	74
Table 8.E.1 Interrater Agreement for Writing Items	76
Table 8.F.1 Classification Accuracy at Each Performance Threshold Score, Oral Language Skill.....	78
Table 8.F.2 Classification Accuracy at Each Performance Threshold Score, Written Language Skill.....	78
Table 8.F.3 Classification Consistency at Each Performance Threshold Score, Oral Language Skill.....	79
Table 8.F.4 Classification Consistency at Each Performance Threshold Score	79

Appendix 8.A. Classical Item Analyses

Table 8.A.1 Item Analysis—Listening for Kindergarten

Item ID	Item Type	N	P-value	Point-Biserial	Percent Omit
VH574303	MC	175,413	0.89	0.53	0.03
VH574282	MC	175,413	0.87	0.43	0.06
VH574316	MC	175,413	0.91	0.41	0.06
VH574336	MC	175,413	0.80	0.53	0.05
VH574286	MC	175,413	0.94	0.52	0.10
VH583749	MC	175,413	0.85	0.53	0.06
VH583753	MC	175,413	0.75	0.56	0.06
VH583759	MC	175,413	0.86	0.45	0.12
VH583369	MC	175,413	0.30	0.38	0.85
VH583376	MC	175,413	0.90	0.47	0.87
VH583383	MC	175,413	0.65	0.41	0.87
VH583447	MC	175,413	0.90	0.52	0.96
VH583449	MC	175,413	0.74	0.64	0.98
VH583455	MC	175,413	0.85	0.53	1.02
VH592480	MC	175,413	0.61	0.38	0.87
VH592482	MC	175,413	0.70	0.43	0.88
VH592483	MC	175,413	0.78	0.50	0.90
VH592495	MC	175,413	0.69	0.51	0.97
VH592499	MC	175,413	0.75	0.53	1.04
VH592501	MC	175,413	0.69	0.49	1.10

Table 8.A.2 Item Analysis—Listening for Grade One

Item ID	Item Type	N	<i>P</i>-value	Point-Biserial	Percent Omit
VH575336	MC	145,481	0.93	0.43	0.03
VH575192	MC	145,481	0.91	0.39	0.04
VH574978	MC	145,481	0.93	0.38	0.05
VH575021	MC	145,481	0.87	0.40	0.10
VH581036	MC	145,481	0.89	0.43	0.06
VH581041	MC	145,481	0.72	0.51	0.07
VH581048	MC	145,481	0.75	0.48	0.08
VH582930	MC	145,481	0.79	0.55	0.52
VH582935	MC	145,481	0.83	0.58	0.55
VH582954	MC	145,481	0.82	0.47	0.55
VH582569	MC	145,481	0.77	0.54	0.62
VH582578	MC	145,481	0.70	0.32	0.62
VH582601	MC	145,481	0.85	0.50	0.69
VH592029	MC	145,481	0.82	0.58	0.59
VH592032	MC	145,481	0.63	0.44	0.59
VH592036	MC	145,481	0.73	0.56	0.61
VH590917	MC	145,481	0.56	0.36	0.64
VH590924	MC	145,481	0.81	0.57	0.68

Table 8.A.3 Item Analysis—Listening for Grade Two

Item ID	Item Type	N	P-value	Point-Biserial	Percent Omit
VH574694	MC	126,589	0.93	0.37	0.26
VH574690	MC	126,589	0.83	0.37	0.18
VH574635	MC	126,589	0.84	0.46	0.20
VH574611	MC	126,589	0.93	0.35	0.26
VH580339	MC	126,589	0.41	0.38	0.18
VH580343	MC	126,589	0.81	0.47	1.28
VH580345	MC	126,589	0.86	0.47	0.51
VH581568	MC	126,589	0.96	0.43	0.17
VH581573	MC	126,589	0.87	0.52	0.29
VH581575	MC	126,589	0.92	0.41	0.32
VH581726	MC	126,589	0.88	0.44	0.21
VH581728	MC	126,589	0.89	0.47	2.26
VH581732	MC	126,589	0.89	0.49	0.44
VH592309	MC	126,589	0.78	0.46	0.22
VH592313	MC	126,589	0.50	0.38	1.37
VH592317	MC	126,589	0.92	0.40	0.31
VH592327	MC	126,589	0.78	0.54	0.24
VH592378	MC	126,589	0.45	0.42	0.36
VH592380	MC	126,589	0.74	0.37	0.37
VH592395	MC	126,589	0.42	0.27	0.25
VH592399	MC	126,589	0.71	0.50	0.39
VH592404	MC	126,589	0.74	0.53	0.75

Table 8.A.4 Item Analysis—Listening for Grade Span Three Through Five

Item ID	Item Type	N	<i>P</i>-value	Point-Biserial	Percent Omit
VH574939	MC	304,934	0.89	0.40	0.22
VH574679	MC	304,934	0.74	0.40	0.23
VH575208	MC	304,934	0.59	0.34	0.32
VH579818	MC	304,934	0.76	0.43	0.16
VH579819	MC	304,934	0.69	0.44	0.26
VH579827	MC	304,934	0.82	0.49	0.28
VH582493	MC	304,934	0.82	0.40	0.31
VH582498	MC	304,934	0.91	0.39	0.32
VH582505	MC	304,934	0.89	0.44	0.37
VH585392	MC	304,934	0.54	0.46	0.17
VH585393	MC	304,934	0.76	0.46	0.19
VH585394	MC	304,934	0.68	0.40	0.22
VH585382	MC	304,934	0.90	0.38	0.26
VH585383	MC	304,934	0.85	0.45	0.27
VH585384	MC	304,934	0.82	0.40	0.34
VH594341	MC	304,934	0.70	0.45	0.18
VH594345	MC	304,934	0.28	0.24	0.23
VH594352	MC	304,934	0.49	0.31	0.27
VH594358	MC	304,934	0.47	0.36	0.30
VH594033	MC	304,934	0.79	0.43	0.24
VH594044	MC	304,934	0.57	0.45	0.30
VH594050	MC	304,934	0.49	0.39	0.50

Table 8.A.5 Item Analysis—Listening for Grade Span Six Through Eight

Item ID	Item Type	N	<i>P</i>-value	Point-Biserial	Percent Omit
VH574684	MC	197,160	0.85	0.38	0.11
VH575433	MC	197,160	0.61	0.28	0.15
VH574717	MC	197,160	0.73	0.36	0.17
VH575068	MC	197,160	0.64	0.38	0.10
VH575116	MC	197,160	0.48	0.25	0.16
VH575121	MC	197,160	0.85	0.43	0.16
VH592977	MC	197,160	0.66	0.35	0.11
VH593022	MC	197,160	0.74	0.34	0.16
VH593024	MC	197,160	0.53	0.32	0.16
VH593029	MC	197,160	0.49	0.26	0.20
VH592775	MC	197,160	0.71	0.37	0.17
VH592777	MC	197,160	0.70	0.38	0.22
VH592779	MC	197,160	0.39	0.24	0.23
VH592783	MC	197,160	0.65	0.42	0.28
VH585577	MC	197,160	0.80	0.38	0.14
VH585579	MC	197,160	0.52	0.29	0.20
VH585583	MC	197,160	0.78	0.45	0.17
VH585586	MC	197,160	0.72	0.34	0.24
VH587161	MC	197,160	0.78	0.43	0.18
VH587175	MC	197,160	0.73	0.44	0.21
VH587183	MC	197,160	0.49	0.23	0.25
VH587223	MC	197,160	0.79	0.44	0.27

Table 8.A.6 Item Analysis—Listening for Grade Span Nine Through Ten

Item ID	Item Type	N	<i>P</i>-value	Point-Biserial	Percent Omit
VH574838	MC	98,088	0.67	0.31	0.46
VH574851	MC	98,088	0.57	0.45	0.32
VH575078	MC	98,088	0.76	0.42	0.29
VH569142	MC	98,088	0.66	0.45	0.18
VH569145	MC	98,088	0.39	0.25	0.34
VH569149	MC	98,088	0.78	0.47	0.26
VH593202	MC	98,088	0.62	0.41	0.16
VH593206	MC	98,088	0.73	0.42	0.28
VH593218	MC	98,088	0.73	0.47	0.21
VH593226	MC	98,088	0.52	0.42	0.25
VH593068	MC	98,088	0.63	0.44	0.28
VH593083	MC	98,088	0.60	0.42	0.32
VH593093	MC	98,088	0.74	0.48	0.33
VH593104	MC	98,088	0.59	0.50	0.39
VH579170	MC	98,088	0.50	0.22	0.18
VH579175	MC	98,088	0.81	0.47	0.22
VH579180	MC	98,088	0.67	0.49	0.27
VH579185	MC	98,088	0.54	0.37	0.30
VH585396	MC	98,088	0.60	0.52	0.32
VH585397	MC	98,088	0.79	0.43	0.29
VH585398	MC	98,088	0.70	0.49	0.39
VH585399	MC	98,088	0.70	0.48	0.35

Table 8.A.7 Item Analysis—Listening for Grade Span Eleven Through Twelve

Item ID	Item Type	N	P-value	Point-Biserial	Percent Omit
VH574943	MC	72,856	0.77	0.45	0.26
VH574948	MC	72,856	0.81	0.39	0.22
VH574951	MC	72,856	0.62	0.32	0.30
VH570664	MC	72,856	0.63	0.32	0.17
VH570700	MC	72,856	0.51	0.23	0.36
VH570707	MC	72,856	0.74	0.38	0.25
VH593368	MC	72,856	0.71	0.37	0.19
VH593369	MC	72,856	0.71	0.42	0.21
VH593370	MC	72,856	0.65	0.37	0.27
VH593375	MC	72,856	0.56	0.29	0.32
VH593346	MC	72,856	0.66	0.39	0.31
VH593347	MC	72,856	0.43	0.37	0.30
VH593348	MC	72,856	0.57	0.40	0.43
VH593352	MC	72,856	0.62	0.42	0.39
VH584191	MC	72,856	0.73	0.48	0.25
VH584193	MC	72,856	0.61	0.41	0.29
VH584196	MC	72,856	0.57	0.43	0.31
VH584201	MC	72,856	0.77	0.48	0.32
VH585447	MC	72,856	0.59	0.45	0.39
VH585450	MC	72,856	0.66	0.49	0.39
VH585451	MC	72,856	0.61	0.36	0.42
VH585448	MC	72,856	0.56	0.39	0.41

Table 8.A.8 Item Analysis—Speaking for Kindergarten

Item ID	Item Type	N	P-value	Point-Biserial	Percent Omit
VH591388	CR	175,327	0.88	0.58	0.03
VH591397	CR	175,327	0.89	0.58	0.01
VH591400	CR	175,327	0.82	0.62	0.07
VH591401	CR	175,327	0.71	0.72	0.27
VH591402	CR	175,327	0.83	0.73	0.24
VH591403	CR	175,327	0.64	0.73	0.61
VH573464	CR	175,327	0.79	0.75	0.18
VH573468	CR	175,327	0.80	0.73	1.74
VH589607	CR	175,327	0.61	0.85	1.89
VH586833	CR	175,327	0.54	0.84	1.74

Table 8.A.9 Item Analysis—Speaking for Grade One

Item ID	Item Type	N	P-value	Point-Biserial	Percent Omit
VH592221	CR	145,420	0.97	0.47	0.03
VH592223	CR	145,420	0.68	0.51	0.04
VH592225	CR	145,420	0.95	0.46	0.07
VH592226	CR	145,420	0.77	0.70	0.19
VH592227	CR	145,420	0.79	0.68	0.17
VH592230	CR	145,420	0.79	0.73	0.43
VH572597	CR	145,420	0.88	0.70	0.09
VH573681	CR	145,420	0.88	0.67	0.85
VH586866	CR	145,420	0.70	0.84	0.94
VH586719	CR	145,420	0.64	0.83	0.87

Table 8.A.10 Item Analysis—Speaking for Grade Two

Item ID	Item Type	N	P-value	Point-Biserial	Percent Omit
VH590643	CR	126,809	0.96	0.51	0.08
VH590645	CR	126,809	0.83	0.48	0.11
VH590646	CR	126,809	0.89	0.54	0.15
VH590647	CR	126,809	0.80	0.67	0.13
VH590648	CR	126,809	0.80	0.63	0.22
VH590651	CR	126,809	0.87	0.65	0.58
VH581086	CR	126,809	0.80	0.63	0.15
VH581090	CR	126,809	0.84	0.66	1.80
VH581088	CR	126,809	0.89	0.67	1.90
VH574509	CR	126,809	0.87	0.69	1.07

Table 8.A.11 Item Analysis—Speaking for Grade Span Three Through Five

Item ID	Item Type	N	P-value	Point-Biserial	Percent Omit
VH586404	CR	306,298	0.96	0.56	0.02
VH586416	CR	306,298	0.92	0.56	0.04
VH586419	CR	306,298	0.97	0.57	0.22
VH586440	CR	306,298	0.89	0.62	0.18
VH586450	CR	306,298	0.92	0.68	0.18
VH586452	CR	306,298	0.91	0.65	0.50
VH573185	CR	306,298	0.74	0.68	0.15
VH572856	CR	306,298	0.76	0.68	2.02
VH573004	CR	306,298	0.81	0.69	2.22
VH570625	CR	306,298	0.79	0.79	1.13
VH572692	CR	306,298	0.84	0.79	1.24
VH589511	CR	306,298	0.80	0.81	1.18
VH587179	CR	306,298	0.70	0.76	1.36

Table 8.A.12 Item Analysis—Speaking for Grade Span Six Through Eight

Item ID	Item Type	N	P-value	Point-Biserial	Percent Omit
VH586468	CR	197,825	0.970	0.569	0.04
VH586472	CR	197,825	0.947	0.637	0.03
VH586476	CR	197,825	0.886	0.626	0.11
VH586478	CR	197,825	0.929	0.721	0.18
VH586496	CR	197,825	0.835	0.696	0.20
VH586500	CR	197,825	0.885	0.693	0.60
VH573426	CR	197,825	0.896	0.710	0.57
VH573303	CR	197,825	0.892	0.689	1.37
VH572624	CR	197,825	0.784	0.804	1.39
VH573085	CR	197,825	0.814	0.816	1.46
VH574641	CR	197,825	0.663	0.752	1.43
VH574643	CR	197,825	0.701	0.732	1.64
VH587883	CR	197,825	0.622	0.777	1.75

Table 8.A.13 Item Analysis—Speaking for Grade Span Nine Through Ten

Item ID	Item Type	N	<i>P</i> -value	Point-Biserial	Percent Omit
VH587594	CR	98,389	0.86	0.72	0.04
VH587603	CR	98,389	0.82	0.67	0.08
VH587610	CR	98,389	0.93	0.63	0.39
VH587619	CR	98,389	0.81	0.77	0.30
VH587625	CR	98,389	0.85	0.83	0.34
VH587631	CR	98,389	0.83	0.80	0.58
VH573248	CR	98,389	0.75	0.82	0.82
VH573250	CR	98,389	0.83	0.82	2.47
VH572682	CR	98,389	0.76	0.88	3.36
VH572838	CR	98,389	0.76	0.87	3.47
VH573602	CR	98,389	0.75	0.85	3.46
VH573615	CR	98,389	0.72	0.81	3.65
VH587886	CR	98,389	0.59	0.82	3.89

Table 8.A.14 Item Analysis—Speaking for Grade Span Eleven Through Twelve

Item ID	Item Type	N	<i>P</i> -value	Point-Biserial	Percent Omit
VH587667	CR	73,196	0.93	0.62	0.03
VH587673	CR	73,196	0.89	0.63	0.07
VH587690	CR	73,196	0.70	0.56	0.40
VH587699	CR	73,196	0.88	0.69	0.32
VH587706	CR	73,196	0.84	0.76	0.32
VH587711	CR	73,196	0.89	0.75	0.62
VH573658	CR	73,196	0.84	0.78	0.63
VH573627	CR	73,196	0.82	0.79	1.78
VH572648	CR	73,196	0.80	0.85	2.26
VH573092	CR	73,196	0.82	0.85	2.35
VH574874	CR	73,196	0.77	0.81	2.33
VH574885	CR	73,196	0.77	0.80	2.47
VH588283	CR	73,196	0.68	0.83	2.81

Table 8.A.15 Item Analysis—Reading for Kindergarten

Item ID	Item Type	N	P-value	Point-Biserial	Percent Omit
VH589727	CR (machine scorable)	175,109	0.63	0.65	0.02
VH589737	MC	175,109	0.81	0.39	0.34
VH590627	CR (machine scorable)	175,109	0.66	0.68	0.03
VH590632	MC	175,109	0.76	0.44	0.24
VH588689	CR (machine scorable)	175,109	0.61	0.63	0.42
VH588702	MC	175,109	0.78	0.51	0.05
VH588707	MC	175,109	0.72	0.52	0.07
VH588710	MC	175,109	0.78	0.53	0.14
VH574308	MC	175,109	0.58	0.53	0.88
VH574313	MC	175,109	0.75	0.44	0.89
VH574315	MC	175,109	0.45	0.42	0.93
VH574382	MC	175,109	0.84	0.51	0.98
VH574387	MC	175,109	0.85	0.43	1.07
VH574392	MC	175,109	0.49	0.47	1.17

Table 8.A.16 Item Analysis—Reading for Grade One

Item ID	Item Type	N	P-value	Point-Biserial	Percent Omit
VH574783	MC	144,989	0.81	0.59	0.03
VH574793	MC	144,989	0.91	0.49	0.02
VH574901	MC	144,989	0.77	0.59	0.05
VH582906	MC	144,989	0.66	0.58	0.03
VH582867	MC	144,989	0.80	0.60	0.03
VH582881	MC	144,989	0.80	0.56	2.08
VH578939	MC	144,989	0.76	0.62	2.12
VH582892	MC	144,989	0.80	0.66	2.25
VH589386	MC	144,989	0.55	0.46	2.65
VH589389	MC	144,989	0.48	0.61	2.70
VH589390	MC	144,989	0.66	0.66	2.73
VH589871	MC	144,989	0.70	0.67	3.03
VH589872	MC	144,989	0.75	0.65	3.07
VH589874	MC	144,989	0.77	0.61	3.35
VH590201	MC	144,989	0.81	0.65	3.02
VH590202	MC	144,989	0.63	0.67	3.07
VH590204	MC	144,989	0.80	0.70	3.09
VH591625	MC	144,989	0.69	0.64	3.13
VH591629	MC	144,989	0.69	0.62	3.18
VH591635	MC	144,989	0.59	0.65	3.21

Table 8.A.17 Item Analysis—Reading for Grade Two

Item ID	Item Type	N	P-value	Point-Biserial	Percent Omit
VH575144	MC	126,441	0.93	0.43	0.25
VH574982	MC	126,441	0.93	0.42	0.25
VH581120	MC	126,441	0.84	0.40	0.16
VH581134	MC	126,441	0.39	0.36	0.20
VH578954	MC	126,441	0.87	0.42	0.35
VH581209	MC	126,441	0.91	0.47	0.74
VH581133	MC	126,441	0.90	0.51	0.40
VH581126	MC	126,441	0.81	0.42	0.68
VH590676	MC	126,441	0.67	0.36	0.42
VH590678	MC	126,441	0.69	0.52	0.64
VH590679	MC	126,441	0.78	0.57	0.61
VH590634	MC	126,441	0.52	0.36	0.79
VH590639	MC	126,441	0.66	0.58	2.14
VH590644	MC	126,441	0.70	0.54	0.99
VH591559	MC	126,441	0.68	0.57	1.47
VH591566	MC	126,441	0.78	0.62	1.65
VH591573	MC	126,441	0.71	0.57	1.23
VH591678	MC	126,441	0.72	0.60	0.92
VH591682	MC	126,441	0.66	0.56	1.13
VH591684	MC	126,441	0.75	0.59	1.28
VH590066	MC	126,441	0.71	0.54	2.87
VH590098	MC	126,441	0.79	0.62	1.79
VH590100	MC	126,441	0.65	0.45	0.73
VH591660	MC	126,441	0.74	0.62	1.41
VH591662	MC	126,441	0.72	0.51	1.02
VH591663	MC	126,441	0.53	0.40	1.02

Table 8.A.18 Item Analysis—Reading for Grade Span Three Through Five

Item ID	Item Type	N	P-value	Point-Biserial	Percent Omit
VH585440	MC	305,067	0.86	0.28	0.15
VH585437	MC	305,067	0.69	0.40	0.19
VH594168	MC	305,067	0.81	0.54	0.11
VH594170	MC	305,067	0.73	0.45	0.16
VH594172	MC	305,067	0.73	0.48	0.15
VH593846	MC	305,067	0.44	0.49	0.34
VH593851	MC	305,067	0.63	0.49	0.39
VH593897	MC	305,067	0.54	0.54	0.47
VH583431	MC	305,067	0.60	0.36	0.21
VH583705	MC	305,067	0.32	0.32	0.20
VH583715	MC	305,067	0.51	0.38	0.24
VH583874	MC	305,067	0.30	0.35	0.24
VH583861	MC	305,067	0.57	0.45	0.35
VH583885	MC	305,067	0.39	0.21	1.37
VH592042	MC	305,067	0.77	0.52	0.27
VH592062	MC	305,067	0.66	0.52	0.43
VH592066	MC	305,067	0.58	0.54	0.32
VH592075	MC	305,067	0.68	0.51	0.37
VH592077	MC	305,067	0.68	0.55	0.56
VH592080	MC	305,067	0.76	0.53	2.54
VH593545	MC	305,067	0.51	0.48	0.40
VH593555	MC	305,067	0.63	0.57	0.42
VH593564	MC	305,067	0.36	0.36	0.52
VH593578	MC	305,067	0.23	0.29	0.57
VH593627	MC	305,067	0.34	0.34	0.64
VH593753	MC	305,067	0.57	0.48	0.78

Table 8.A.19 Item Analysis—Reading for Grade Span Six Through Eight

Item ID	Item Type	N	P-value	Point-Biserial	Percent Omit
VH593976	MC	197,190	0.42	0.31	0.14
VH593990	MC	197,190	0.61	0.36	0.18
VH593996	MC	197,190	0.40	0.28	0.17
VH594085	MC	197,190	0.50	0.39	0.33
VH594089	MC	197,190	0.65	0.43	0.30
VH594090	MC	197,190	0.46	0.33	0.37
VH584012	MC	197,190	0.38	0.43	0.18
VH584014	MC	197,190	0.69	0.47	0.16
VH584015	MC	197,190	0.36	0.33	0.25
VH584016	MC	197,190	0.53	0.36	0.18
VH584019	MC	197,190	0.31	0.30	0.93
VH584025	MC	197,190	0.37	0.36	0.45
VH584026	MC	197,190	0.48	0.44	0.56
VH584028	MC	197,190	0.42	0.41	0.59
VH592127	MC	197,190	0.69	0.43	0.28
VH592142	MC	197,190	0.53	0.46	0.28
VH592152	MC	197,190	0.55	0.49	0.33
VH592159	MC	197,190	0.47	0.50	0.37
VH592161	MC	197,190	0.50	0.42	0.71
VH592168	MC	197,190	0.62	0.44	2.51
VH614051	MC	197,190	0.53	0.47	0.41
VH614058	MC	197,190	0.44	0.44	0.43
VH614059	MC	197,190	0.30	0.25	0.55
VH614061	MC	197,190	0.20	0.25	0.56
VH614062	MC	197,190	0.30	0.19	0.65
VH614067	MC	197,190	0.55	0.45	0.73

Table 8.A.20 Item Analysis—Reading for Grade Span Nine Through Ten

Item ID	Item Type	N	P-value	Point-Biserial	Percent Omit
VH593308	MC	98,277	0.47	0.39	0.14
VH593312	MC	98,277	0.53	0.25	0.20
VH593318	MC	98,277	0.29	0.35	0.23
VH593411	MC	98,277	0.54	0.44	0.35
VH593413	MC	98,277	0.50	0.35	0.44
VH593417	MC	98,277	0.77	0.46	0.47
VH583418	MC	98,277	0.61	0.50	0.18
VH583439	MC	98,277	0.55	0.39	0.19
VH583446	MC	98,277	0.35	0.45	0.40
VH583451	MC	98,277	0.45	0.48	0.35
VH583454	MC	98,277	0.49	0.38	0.77
VH583458	MC	98,277	0.47	0.38	0.60
VH583948	MC	98,277	0.66	0.39	0.59
VH583474	MC	98,277	0.45	0.36	0.65
VH592781	MC	98,277	0.71	0.54	0.46
VH592780	MC	98,277	0.49	0.45	0.40
VH592782	MC	98,277	0.47	0.40	0.52
VH592786	MC	98,277	0.47	0.34	0.54
VH592788	MC	98,277	0.57	0.51	0.87
VH592789	MC	98,277	0.58	0.54	2.38
VH613961	MC	98,277	0.72	0.52	0.61
VH613990	MC	98,277	0.46	0.42	0.63
VH613994	MC	98,277	0.37	0.38	0.90
VH614007	MC	98,277	0.44	0.49	0.92
VH614015	MC	98,277	0.58	0.53	1.08
VH614027	MC	98,277	0.35	0.31	1.53

Table 8.A.21 Item Analysis—Reading for Grade Span Eleven Through Twelve

Item ID	Item Type	N	P-value	Point-Biserial	Percent Omit
VH593659	MC	73,016	0.60	0.49	0.17
VH593661	MC	73,016	0.49	0.40	0.12
VH593663	MC	73,016	0.49	0.41	0.23
VH594409	MC	73,016	0.43	0.33	0.36
VH594413	MC	73,016	0.25	0.39	0.36
VH594412	MC	73,016	0.42	0.39	0.38
VH585340	MC	73,016	0.63	0.43	0.23
VH585351	MC	73,016	0.46	0.41	0.23
VH585361	MC	73,016	0.43	0.35	0.36
VH585357	MC	73,016	0.53	0.54	0.42
VH585359	MC	73,016	0.55	0.32	0.65
VH585366	MC	73,016	0.71	0.45	0.55
VH585379	MC	73,016	0.59	0.47	0.54
VH585380	MC	73,016	0.77	0.46	0.52
VH592791	MC	73,016	0.33	0.37	0.43
VH592792	MC	73,016	0.51	0.48	0.39
VH592793	MC	73,016	0.40	0.40	0.48
VH592794	MC	73,016	0.64	0.43	0.52
VH592798	MC	73,016	0.32	0.28	0.92
VH592799	MC	73,016	0.61	0.53	2.94
VH594027	MC	73,016	0.54	0.37	0.69
VH594031	MC	73,016	0.45	0.38	0.61
VH594041	MC	73,016	0.44	0.14	0.72
VH594045	MC	73,016	0.51	0.27	0.98
VH594049	MC	73,016	0.44	0.30	0.87
VH594054	MC	73,016	0.27	0.15	1.27

Table 8.A.22 Item Analysis—Writing by Grade Level or Grade Span

Grade Level or Grade Span	Item ID	Item Type	N	P-value	Point- Biserial	Percent Omit
Kindergarten	VH590314	CR	172,072	0.88	0.63	1.76
Kindergarten	VH590317	CR	172,072	0.83	0.63	2.66
Kindergarten	VH590320	CR	172,072	0.71	0.86	4.98
Kindergarten	VH590325	CR	172,072	0.71	0.88	4.31
Kindergarten	VH574038	CR	172,072	0.77	0.77	5.88
Kindergarten	VH574059	CR	172,072	0.81	0.73	5.53
Kindergarten	VH574063	CR	172,072	0.74	0.89	6.07
Kindergarten	VH574079	CR	172,072	0.72	0.91	6.33
Grade 1	VH575294	CR	144,419	0.94	0.41	0.27
Grade 1	VH575317	CR	144,419	0.95	0.49	0.25
Grade 1	VH575322	CR	144,419	0.79	0.67	0.50
Grade 1	VH575326	CR	144,419	0.68	0.79	3.22
Grade 1	VH581243	CR	144,419	0.76	0.78	3.51
Grade 1	VH581249	CR	144,419	0.68	0.81	5.28
Grade 1	VH581453	CR	144,419	0.67	0.84	4.50
Grade 2	VH573925	CR	126,325	0.93	0.46	0.70
Grade 2	VH573927	CR	126,325	0.92	0.50	0.89
Grade 2	VH573930	CR	126,325	0.71	0.70	0.43
Grade 2	VH573933	CR	126,325	0.73	0.77	1.64
Grade 2	VH581409	CR	126,325	0.70	0.72	0.53
Grade 2	VH581417	CR	126,325	0.71	0.76	1.78
Grade 2	VH581435	CR	126,325	0.81	0.80	0.78
Grade span 3–5	VH581300	CR	303,722	0.73	0.60	0.28
Grade span 3–5	VH581314	CR	303,722	0.75	0.60	1.44
Grade span 3–5	VH573816	CR	303,722	0.59	0.79	0.63
Grade span 3–5	VH631658	CR	303,722	0.70	0.59	0.81
Grade span 3–5	VH631663	CR	303,722	0.72	0.76	2.05
Grade span 3–5	VH576052	CR	303,722	0.59	0.80	1.01
Grade span 6–8	VH582350	CR	196,330	0.75	0.61	0.25
Grade span 6–8	VH582455	CR	196,330	0.73	0.57	0.75
Grade span 6–8	VH574768	CR	196,330	0.68	0.77	0.64
Grade span 6–8	VH575964	CR	196,330	0.80	0.65	0.83
Grade span 6–8	VH575973	CR	196,330	0.69	0.77	1.74
Grade span 6–8	VH575895	CR	196,330	0.58	0.80	1.45

Table 8.A.22 (continued)

Grade Level or Grade Span	Item ID	Item Type	N	P-value	Point- Biserial	Percent Omit
Grade span 9–10	VH583487	CR	97,147	0.79	0.62	0.34
Grade span 9–10	VH583496	CR	97,147	0.76	0.59	1.11
Grade span 9–10	VH574232	CR	97,147	0.68	0.81	1.34
Grade span 9–10	VH579215	CR	97,147	0.70	0.64	1.88
Grade span 9–10	VH579227	CR	97,147	0.66	0.77	3.41
Grade span 9–10	VH576280	CR	97,147	0.56	0.81	2.97
Grade span 11–12	VH583504	CR	72,497	0.73	0.58	0.40
Grade span 11–12	VH583507	CR	72,497	0.77	0.56	0.98
Grade span 11–12	VH573892	CR	72,497	0.69	0.77	0.83
Grade span 11–12	VH574580	CR	72,497	0.65	0.54	1.57
Grade span 11–12	VH574583	CR	72,497	0.68	0.76	2.67
Grade span 11–12	VH575258	CR	72,497	0.59	0.79	2.30

Table 8.A.23 Distribution of Item Scores for Speaking Items with Multiple Score Points

Grade Level or Grade Span	Item ID	Percent Score Point = 0	Percent Score Point = 1	Percent Score Point = 2	Percent Score Point = 3	Percent Score Point = 4	Item-Test Correlation	Mean	Mean Proportion of Maximum	Standard Deviation
Kindergarten	VH591401	12.6	33.0	54.1	NA	NA	0.77	1.41	0.71	0.71
Kindergarten	VH591402	8.1	17.8	73.9	NA	NA	0.77	1.66	0.83	0.64
Kindergarten	VH591403	19.4	31.9	48.1	NA	NA	0.80	1.28	0.64	0.78
Kindergarten	VH573464	5.8	29.4	64.7	NA	NA	0.79	1.59	0.79	0.61
Kindergarten	VH573468	4.4	27.1	66.7	NA	NA	0.78	1.61	0.80	0.61
Kindergarten	VH589607	8.9	9.1	25.6	35.3	19.2	0.88	2.43	0.61	1.22
Kindergarten	VH586833	10.2	16.2	30.4	28.2	13.3	0.89	2.15	0.54	1.21
Grade 1	VH592226	10.2	25.0	64.6	NA	NA	0.74	1.54	0.77	0.69
Grade 1	VH592227	10.4	21.0	68.4	NA	NA	0.73	1.58	0.79	0.69
Grade 1	VH592230	10.4	19.6	69.5	NA	NA	0.78	1.59	0.79	0.69
Grade 1	VH572597	2.7	19.2	78.0	NA	NA	0.74	1.75	0.88	0.51
Grade 1	VH573681	2.1	17.6	79.5	NA	NA	0.72	1.77	0.88	0.51
Grade 1	VH586866	5.1	5.9	19.3	37.9	30.9	0.87	2.82	0.70	1.14
Grade 1	VH586719	4.5	9.1	30.1	34.2	21.2	0.87	2.57	0.64	1.10
Grade 2	VH590647	9.3	20.3	70.3	NA	NA	0.71	1.61	0.80	0.67
Grade 2	VH590648	5.9	27.6	66.3	NA	NA	0.67	1.60	0.80	0.62
Grade 2	VH590651	6.0	11.9	81.5	NA	NA	0.67	1.75	0.87	0.59
Grade 2	VH581086	10.0	20.6	69.2	NA	NA	0.68	1.59	0.80	0.68
Grade 2	VH581090	6.4	15.1	76.7	NA	NA	0.69	1.68	0.84	0.64
Grade 2	VH581088	4.4	9.7	84.0	NA	NA	0.70	1.78	0.89	0.57
Grade 2	VH574509	2.1	19.2	77.6	NA	NA	0.72	1.74	0.87	0.53
Grade 2	VH574520	2.7	24.5	71.6	NA	NA	0.71	1.68	0.84	0.57
Grade 2	VH588480	2.6	3.7	16.9	36.7	39.0	0.83	3.03	0.76	1.06
Grade 2	VH584200	4.3	16.2	37.4	30.0	10.9	0.83	2.25	0.56	1.05
Grade span 3–5	VH586440	6.0	9.2	84.6	NA	NA	0.63	1.78	0.89	0.57
Grade span 3–5	VH586450	2.8	10.0	87.0	NA	NA	0.68	1.84	0.92	0.48
Grade span 3–5	VH586452	4.7	8.3	86.5	NA	NA	0.65	1.81	0.91	0.54
Grade span 3–5	VH573185	13.2	24.8	61.9	NA	NA	0.78	1.49	0.74	0.73
Grade span 3–5	VH572856	12.0	20.3	65.7	NA	NA	0.78	1.52	0.76	0.74
Grade span 3–5	VH573004	8.5	15.8	73.5	NA	NA	0.76	1.63	0.81	0.69
Grade span 3–5	VH570625	2.1	9.6	32.9	54.3	NA	0.83	2.38	0.79	0.82
Grade span 3–5	VH572692	1.6	6.0	27.7	63.5	NA	0.81	2.52	0.84	0.78
Grade span 3–5	VH589511	1.8	1.5	9.4	42.8	43.2	0.82	3.22	0.80	0.96
Grade span 3–5	VH587179	2.1	5.0	25.9	41.3	24.3	0.81	2.78	0.70	1.02

Table 8.A.23 (continued)

Grade Level or Grade Span	Item ID	Percent Score Point = 0	Percent Score Point = 1	Percent Score Point = 2	Percent Score Point = 3	Percent Score Point = 4	Item-Test Correlation	Mean	Mean Proportion of Maximum	Standard Deviation
Grade span 6–8	VH586478	3.6	6.6	89.7	NA	NA	0.72	1.86	0.93	0.50
Grade span 6–8	VH586496	8.1	16.5	75.2	NA	NA	0.72	1.67	0.84	0.65
Grade span 6–8	VH586500	4.9	12.1	82.4	NA	NA	0.69	1.77	0.89	0.58
Grade span 6–8	VH573426	4.4	10.8	84.2	NA	NA	0.71	1.79	0.90	0.56
Grade span 6–8	VH573303	3.0	12.9	82.8	NA	NA	0.69	1.78	0.89	0.55
Grade span 6–8	VH572624	3.9	10.0	29.2	55.6	NA	0.83	2.35	0.78	0.91
Grade span 6–8	VH573085	3.3	8.0	25.5	61.8	NA	0.84	2.44	0.81	0.89
Grade span 6–8	VH574641	7.5	20.5	33.6	37.1	NA	0.84	1.99	0.66	0.99
Grade span 6–8	VH574643	8.5	18.1	23.0	48.8	NA	0.81	2.10	0.70	1.06
Grade span 6–8	VH587883	4.7	11.5	27.6	35.7	18.7	0.85	2.49	0.62	1.15
Grade span 9–10	VH587619	12.7	11.7	75.3	NA	NA	0.76	1.62	0.81	0.75
Grade span 9–10	VH587625	9.4	9.8	80.4	NA	NA	0.81	1.71	0.85	0.69
Grade span 9–10	VH587631	10.4	12.5	76.5	NA	NA	0.78	1.66	0.83	0.71
Grade span 9–10	VH573248	14.8	18.9	65.4	NA	NA	0.85	1.50	0.75	0.78
Grade span 9–10	VH573250	7.8	13.9	75.8	NA	NA	0.81	1.66	0.83	0.71
Grade span 9–10	VH572682	6.5	8.8	23.7	57.6	NA	0.89	2.29	0.76	1.05
Grade span 9–10	VH572838	6.4	9.0	25.1	56.1	NA	0.88	2.27	0.76	1.04
Grade span 9–10	VH573602	7.9	8.6	23.3	56.7	NA	0.86	2.25	0.75	1.08
Grade span 9–10	VH573615	11.0	12.3	16.4	56.7	NA	0.85	2.15	0.72	1.16
Grade span 9–10	VH587886	7.1	10.4	27.9	32.4	18.4	0.87	2.37	0.59	1.26
Grade span 11–12	VH587699	6.2	10.7	82.8	NA	NA	0.67	1.76	0.88	0.67
Grade span 11–12	VH587706	6.7	17.8	75.2	NA	NA	0.76	1.68	0.84	0.70
Grade span 11–12	VH587711	5.9	9.6	83.9	NA	NA	0.73	1.77	0.89	0.67
Grade span 11–12	VH573658	7.0	16.7	75.6	NA	NA	0.77	1.68	0.84	0.70
Grade span 11–12	VH573627	7.4	17.4	73.5	NA	NA	0.80	1.64	0.82	0.73
Grade span 11–12	VH572648	4.8	7.4	24.1	61.5	NA	0.86	2.40	0.80	1.03
Grade span 11–12	VH573092	3.5	6.7	24.6	62.9	NA	0.85	2.45	0.82	1.00
Grade span 11–12	VH574874	7.7	8.4	23.5	58.0	NA	0.82	2.29	0.77	1.10
Grade span 11–12	VH574885	8.7	9.6	15.6	63.5	NA	0.83	2.32	0.77	1.14
Grade span 11–12	VH588283	5.1	6.5	21.2	34.0	30.4	0.87	2.73	0.68	1.31

Table 8.A.24 Distribution of Item Scores for Writing items with Multiple Score Points

Grade Level or Grade Span	Item ID	Percent Score Point = 0	Percent Score Point = 1	Percent Score Point = 2	Percent Score Point = 3	Percent Score Point = 4	Item-Test Correlation	Mean	Mean Proportion of Maximum	Standard Deviation
Kindergarten	VH590320	14.7	19.5	60.8	NA	NA	0.86	1.41	0.71	0.82
Kindergarten	VH590325	14.3	20.6	60.7	NA	NA	0.88	1.42	0.71	0.81
Kindergarten	VH574063	11.8	15.5	66.7	NA	NA	0.88	1.49	0.74	0.80
Kindergarten	VH574079	13.2	16.8	63.7	NA	NA	0.91	1.44	0.72	0.82
Grade 1	VH575322	7.1	25.8	66.5	NA	NA	0.70	1.59	0.79	0.65
Grade 1	VH575326	9.2	14.9	30.0	42.7	NA	0.81	2.03	0.68	1.06
Grade 1	VH581243	5.9	29.4	61.2	NA	NA	0.82	1.52	0.76	0.68
Grade 1	VH581249	6.6	13.8	32.5	41.8	NA	0.84	2.04	0.68	1.04
Grade 1	VH581453	6.4	14.6	37.2	37.4	NA	0.88	2.01	0.67	1.00
Grade 2	VH573930	5.7	46.4	47.5	NA	NA	0.77	1.41	0.71	0.62
Grade 2	VH573933	7.6	12.9	26.8	51.1	NA	0.79	2.20	0.73	1.01
Grade 2	VH581409	6.5	45.7	47.2	NA	NA	0.80	1.40	0.70	0.63
Grade 2	VH581417	8.5	13.3	29.0	47.4	NA	0.79	2.14	0.71	1.02
Grade 2	VH581435	2.7	7.5	31.6	57.4	NA	0.82	2.43	0.81	0.82
Grade span 3–5	VH581300	7.3	39.1	53.3	NA	NA	0.66	1.46	0.73	0.66
Grade span 3–5	VH581314	3.9	39.0	55.7	NA	NA	0.67	1.50	0.75	0.63
Grade span 3–5	VH573816	5.1	11.8	34.9	35.8	11.7	0.82	2.36	0.59	1.07
Grade span 3–5	VH631658	6.4	46.4	46.4	NA	NA	0.66	1.39	0.70	0.64
Grade span 3–5	VH631663	4.6	18.3	28.0	47.0	NA	0.79	2.15	0.72	0.99
Grade span 3–5	VH576052	4.2	10.8	37.4	34.8	11.8	0.84	2.37	0.59	1.04
Grade span 6–8	VH582350	5.0	40.0	54.7	NA	NA	0.68	1.49	0.75	0.63
Grade span 6–8	VH582455	2.5	48.5	48.3	NA	NA	0.66	1.45	0.73	0.60
Grade span 6–8	VH574768	3.1	5.0	26.3	45.6	19.4	0.80	2.72	0.68	1.04
Grade span 6–8	VH575964	4.1	30.5	64.6	NA	NA	0.71	1.60	0.80	0.63
Grade span 6–8	VH575973	4.0	18.4	40.1	35.7	NA	0.81	2.06	0.69	0.92
Grade span 6–8	VH575895	3.8	13.7	35.3	36.0	9.8	0.84	2.31	0.58	1.05
Grade span 9–10	VH583487	4.6	32.2	62.9	NA	NA	0.68	1.58	0.79	0.65
Grade span 9–10	VH583496	3.2	39.0	56.7	NA	NA	0.66	1.52	0.76	0.64
Grade span 9–10	VH574232	4.2	6.2	22.4	42.6	23.1	0.83	2.72	0.68	1.17
Grade span 9–10	VH579215	4.3	47.8	46.0	NA	NA	0.71	1.40	0.70	0.65
Grade span 9–10	VH579227	3.9	22.2	36.6	33.8	NA	0.82	1.97	0.66	0.99
Grade span 9–10	VH576280	4.0	13.3	36.1	35.4	8.3	0.85	2.25	0.56	1.09

Table 8.A.24 (continued)

Grade Level or Grade Span	Item ID	Percent Score Point = 0	Percent Score Point = 1	Percent Score Point = 2	Percent Score Point = 3	Percent Score Point = 4	Item-Test Correlation	Mean	Mean Proportion of Maximum	Standard Deviation
Grade span 11–12	VH583504	4.5	43.8	51.3	NA	NA	0.65	1.46	0.73	0.67
Grade span 11–12	VH583507	1.9	40.5	56.6	NA	NA	0.64	1.54	0.77	0.65
Grade span 11–12	VH573892	2.5	5.8	25.0	42.4	23.4	0.80	2.77	0.69	1.16
Grade span 11–12	VH574580	3.8	58.9	35.7	NA	NA	0.63	1.30	0.65	0.63
Grade span 11–12	VH574583	2.4	19.6	42.4	32.9	NA	0.80	2.03	0.68	0.96
Grade span 11–12	VH575258	2.2	11.8	38.1	36.8	8.9	0.83	2.34	0.59	1.08
Kindergarten	*VH589727	6.7	60.2	33.1	NA	NA	0.75	1.26	0.63	0.58
Kindergarten	*VH590627	8.2	50.6	41.1	NA	NA	0.76	1.33	0.66	0.63
Kindergarten	*VH588689	23.7	29.7	46.2	NA	NA	0.70	1.22	0.61	0.81

Note: An asterisk (*) indicates a kindergarten Reading item with multiple-select inline choice, which is a machine-scorable, two-score point item.

Appendix 8.B: Item Response Theory Parameter Estimates

Table 8.B.1 Distribution of IRT a-values for Oral Language Skill by Grade Level and Grade Span

IRT a-value	Kindergarten Listening	Kindergarten Speaking	Grade 1 Listening	Grade 1 Speaking	Grade 2 Listening	Grade 2 Speaking	Grade Span 3–5 Listening	Grade Span 3–5 Speaking	Grade Span 6–8 Listening	Grade Span 6–8 Speaking	Grade Span 9–10 Listening	Grade Span 9–10 Speaking	Grade Span 11–12 Listening	Grade Span 11–12 Speaking
0.0 < 0.2	0	0	0	0	1	0	0	0	7	0	6	0	12	0
0.2 < 0.4	2	0	3	0	3	0	9	0	14	0	16	0	10	1
0.4 < 0.6	11	0	6	0	9	2	11	2	1	2	0	8	0	8
0.6 < 0.8	6	0	10	0	8	6	2	9	0	8	0	2	0	4
0.8 < 1.0	1	3	3	6	0	5	0	1	0	1	0	3	0	0
1.0 < 1.2	0	4	0	1	0	0	0	1	0	1	0	0	0	0
1.2 < 1.4	0	2	0	2	1	0	0	0	0	1	0	0	0	0
1.4 < 1.6	0	1	0	1	0	0	0	0	0	0	0	0	0	0
1.6 < 1.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.8 < 2.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 8.B.2 Distribution of IRT a-values for Written Language Skill by Grade Level and Grade Span

IRT a-value	Kindergarten Listening	Kindergarten Listening	Grade 1 Listening	Grade 1 Speaking	Grade 2 Listening	Grade 2 Speaking	Grade Span 3–5 Listening	Grade Span 3–5 Speaking	Grade Span 6–8 Listening	Grade Span 6–8 Speaking	Grade Span 9–10 Listening	Grade Span 9–10 Speaking	Grade Span 11–12 Listening	Grade Span 11–12 Speaking
0.0 -< 0.2	0	0	0	0	0	0	1	0	3	0	1	0	3	0
0.2 -< 0.4	5	0	0	0	3	0	4	0	10	0	15	0	15	0
0.4 -< 0.6	7	0	1	2	2	2	7	3	13	2	8	5	6	5
0.6 -< 0.8	0	0	4	2	8	1	10	3	0	4	2	1	2	1
0.8 -< 1.0	0	0	10	0	6	3	3	0	0	0	0	0	0	0
1.0 -< 1.2	1	1	3	2	2	1	1	0	0	0	0	0	0	0
1.2 -< 1.4	1	0	1	0	5	0	0	0	0	0	0	0	0	0
1.4 -< 1.6	0	2	1	0	0	0	0	0	0	0	0	0	0	0
1.6 -< 1.8	0	2	0	1	0	0	0	0	0	0	0	0	0	0
1.8 -< 2.0	0	2	0	0	0	0	0	0	0	0	0	0	0	0

Table 8.B.3 Distribution of IRT *b*-values for Oral Language Skill by Grade Level and Grade Span

IRT <i>b</i> -value	Kindergarten Listening	Kindergarten Speaking	Grade 1 Listening	Grade 1 Speaking	Grade 2 Listening	Grade 2 Speaking	Grade Span 3–5 Listening	Grade Span 3–5 Speaking	Grade Span 6–8 Listening	Grade Span 6–8 Speaking	Grade Span 9–10 Listening	Grade Span 9–10 Speaking	Grade Span 11–12 Listening	Grade Span 11–12 Speaking
-6.0 < -5.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-5.8 < -5.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-5.6 < -5.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-5.4 < -5.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-5.2 < -5.0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
-5.0 < -4.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-4.8 < -4.6	1	0	0	0	0	0	0	0	0	0	0	0	0	0
-4.6 < -4.4	2	0	1	0	0	0	0	0	0	0	0	0	0	0
-4.4 < -4.2	2	0	0	0	0	0	0	0	0	0	0	0	0	0
-4.2 < -4.0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
-4.0 < -3.8	1	0	1	1	1	0	2	0	0	0	1	0	1	0
-3.8 < -3.6	1	0	0	0	1	1	0	0	0	0	0	0	0	0
-3.6 < -3.4	1	0	1	0	1	0	0	1	1	0	0	0	0	0
-3.4 < -3.2	2	2	2	1	2	0	1	0	0	0	3	1	0	1
-3.2 < -3.0	1	3	0	0	3	0	2	0	0	1	0	0	1	0
-3.0 < -2.8	5	1	2	1	1	0	0	1	3	0	2	0	0	0
-2.8 < -2.6	1	1	4	1	3	1	2	1	5	1	1	0	0	0
-2.6 < -2.4	1	0	5	0	2	2	3	2	0	1	1	0	0	1
-2.4 < -2.2	0	1	1	0	1	4	0	1	3	2	0	0	2	2
-2.2 < -2.0	0	1	1	3	3	2	1	2	1	2	0	1	4	1
-2.0 < -1.8	0	1	0	0	0	1	2	1	0	0	1	2	2	0
-1.8 < -1.6	0	0	3	2	0	1	0	1	1	1	1	3	1	2
-1.6 < -1.4	0	0	0	1	0	0	3	2	2	2	3	1	1	1
-1.4 < -1.2	0	0	0	0	0	0	0	0	0	0	2	3	3	1
-1.2 < -1.0	0	0	0	0	0	1	0	1	0	0	1	0	0	0
-1.0 < -0.8	0	0	0	0	0	0	1	0	0	0	2	1	3	2
-0.8 < -0.6	0	0	0	0	0	0	1	0	0	2	0	0	1	0
-0.6 < -0.4	0	0	0	0	1	0	0	0	0	0	0	0	1	1
-0.4 < -0.2	1	0	0	0	1	0	2	0	3	1	2	0	0	1

Table 8.B.3 (continued)

IRT <i>b</i>-value	Kindergarten Listening	Kindergarten Speaking	Grade 1 Listening	Grade 1 Speaking	Grade 2 Listening	Grade 2 Speaking	Grade Span 3–5 Listening	Grade Span 3–5 Speaking	Grade Span 6–8 Listening	Grade Span 6–8 Speaking	Grade Span 9–10 Listening	Grade Span 9–10 Speaking	Grade Span 11–12 Listening	Grade Span 11–12 Speaking
-0.2 -< 0.0	0	0	0	0	1	0	1	0	0	0	0	0	1	0
0.0 -< 0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.2 -< 0.4	0	0	0	0	0	0	0	0	0	0	1	1	0	0
0.4 -< 0.6	0	0	0	0	0	0	0	0	2	0	0	0	0	0
0.6 -< 0.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.8 -< 1.0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1.0 -< 1.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.2 -< 1.4	0	0	0	0	1	0	0	0	0	0	0	0	0	0
1.4 -< 1.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.6 -< 1.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.8 -< 2.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2.0 -< 2.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2.2 -< 2.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2.4 -< 2.6	0	0	0	0	0	0	1	0	0	0	0	0	0	0
2.6 -< 2.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2.8 -< 3.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.0 -< 4.0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
4.0 -< 5.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5.0 -< 6.0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
6.0 -< +	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 8.B.4 Distribution of IRT *b*-values for Written Language Skill by Grade Level and Grade Span

IRT <i>b</i> -value	Kindergarten Reading	Kindergarten Writing	Grade 1 Reading	Grade 1 Writing	Grade 2 Reading	Grade 2 Writing	Grade Span 3–5 Reading	Grade Span 3–5 Writing	Grade Span 6–8 Reading	Grade Span 6–8 Writing	Grade Span 9–10 Reading	Grade Span 9–10 Writing	Grade Span 11–12 Reading	Grade Span 11–12 Writing
< -6.0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
-6.0 < -5.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-5.8 < -5.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-5.6 < -5.4	1	0	0	0	0	0	0	0	0	0	0	0	0	0
-5.4 < -5.2	1	0	0	0	0	0	0	0	0	0	0	0	0	0
-5.2 < -5.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-5.0 < -4.8	3	0	0	0	0	0	0	0	0	0	0	0	0	0
-4.8 < -4.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-4.6 < -4.4	1	1	0	0	0	0	0	0	0	0	0	0	0	0
-4.4 < -4.2	0	1	0	0	0	0	0	0	0	0	0	0	0	0
-4.2 < -4.0	1	1	0	1	0	0	0	0	0	0	0	0	0	0
-4.0 < -3.8	0	1	0	0	0	0	0	0	0	0	0	0	0	0
-3.8 < -3.6	3	3	0	0	0	0	0	0	0	0	0	0	0	0
-3.6 < -3.4	1	1	1	1	0	0	1	0	0	0	0	0	0	0
-3.4 < -3.2	0	0	0	0	0	1	0	0	0	0	0	0	0	0
-3.2 < -3.0	0	0	0	1	1	1	0	0	0	0	0	0	0	0
-3.0 < -2.8	0	0	3	0	0	0	0	0	0	0	0	0	0	0
-2.8 < -2.6	0	0	3	1	5	0	0	0	0	0	0	0	0	0
-2.6 < -2.4	1	0	6	0	1	1	0	0	0	0	0	0	0	0
-2.4 < -2.2	0	0	1	3	0	0	0	0	0	0	0	0	0	0
-2.2 < -2.0	0	0	2	0	2	2	0	1	0	0	0	0	0	0
-2.0 < -1.8	1	0	1	0	4	2	0	1	0	0	0	1	0	0
-1.8 < -1.6	0	0	2	0	7	0	1	0	0	2	0	0	0	0
-1.6 < -1.4	0	0	1	0	2	0	2	0	0	0	0	1	0	2
-1.4 < -1.2	0	0	0	0	1	0	2	0	0	0	0	0	0	0
-1.2 < -1.0	0	0	0	0	0	0	3	0	0	0	1	0	0	0
-1.0 < -0.8	0	0	0	0	2	0	2	1	0	0	0	0	0	0
-0.8 < -0.6	0	0	0	0	0	0	2	0	1	1	0	0	0	0
-0.6 < -0.4	0	0	0	0	0	0	4	1	1	0	1	0	0	1
-0.4 < -0.2	0	0	0	0	0	0	1	2	2	1	2	1	1	0

Table 8.B.4 (continued)

IRT <i>b</i>-value	Kindergarten Reading	Kindergarten Writing	Grade 1 Reading	Grade 1 Writing	Grade 2 Reading	Grade 2 Writing	Grade Span 3–5 Reading	Grade Span 3–5 Writing	Grade Span 6–8 Reading	Grade Span 6–8 Writing	Grade Span 9–10 Reading	Grade Span 9–10 Writing	Grade Span 11–12 Reading	Grade Span 11–12 Writing
-0.2 -< 0.0	0	0	0	0	0	0	2	0	0	1	0	1	1	1
0.0 -< 0.2	0	0	0	0	1	0	0	0	2	1	1	1	1	1
0.2 -< 0.4	0	0	0	0	0	0	0	0	1	0	2	0	2	0
0.4 -< 0.6	0	0	0	0	0	0	1	0	4	0	4	0	1	0
0.6 -< 0.8	0	0	0	0	0	0	1	0	3	0	0	1	3	1
0.8 -< 1.0	0	0	0	0	0	0	1	0	5	0	3	0	0	0
1.0 -< 1.2	0	0	0	0	0	0	1	0	1	0	2	0	5	0
1.2 -< 1.4	0	0	0	0	0	0	0	0	1	0	4	0	1	0
1.4 -< 1.6	0	0	0	0	0	0	1	0	1	0	3	0	3	0
1.6 -< 1.8	0	0	0	0	0	0	1	0	0	0	1	0	1	0
1.8 -< 2.0	0	0	0	0	0	0	0	0	0	0	1	0	1	0
2.0 -< 2.2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2.2 -< 2.4	0	0	0	0	0	0	0	0	1	0	1	0	0	0
2.4 -< 2.6	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2.6 -< 2.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2.8 -< 3.0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
3.0 -< 4.0	0	0	0	0	0	0	0	0	1	0	0	0	1	0
4.0 -< 5.0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
5.0 -< 6.0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
6.0 -< +	0	0	0	0	0	0	0	0	0	0	0	0	2	0

Table 8.B.5 IRT Item Statistics by Domain for Kindergarten

Domain	Item ID	Score		<i>a</i> -value	<i>b</i> -value	<i>d</i> -values
		Points				
Listening	VH574282	1		0.48	-4.49	NA
Listening	VH574286	1		0.72	-4.47	NA
Listening	VH574303	1		0.69	-3.94	NA
Listening	VH574316	1		0.49	-5.01	NA
Listening	VH574336	1		0.66	-3.12	NA
Listening	VH583369	1		0.47	-0.38	NA
Listening	VH583376	1		0.46	-4.38	NA
Listening	VH583383	1		0.36	-2.59	NA
Listening	VH583447	1		0.54	-4.66	NA
Listening	VH583449	1		0.88	-2.83	NA
Listening	VH583455	1		0.64	-3.74	NA
Listening	VH583749	1		0.75	-3.50	NA
Listening	VH583753	1		0.78	-2.98	NA
Listening	VH583759	1		0.42	-4.40	NA
Listening	VH592480	1		0.26	-2.98	NA
Listening	VH592482	1		0.47	-2.85	NA
Listening	VH592483	1		0.59	-3.32	NA
Listening	VH592495	1		0.49	-2.81	NA
Listening	VH592499	1		0.56	-3.24	NA
Listening	VH592501	1		0.52	-2.68	NA
Speaking	VH573464	2		1.07	-3.00	0.78, -0.78
Speaking	VH573468	2		1.20	-2.98	0.65, -0.65
Speaking	VH586833	4		1.44	-1.81	1.05, 0.54, -0.40, -1.20
Speaking	VH589607	4		1.35	-2.03	0.77, 0.67, -0.18, -1.27
Speaking	VH591388	1		1.22	-3.32	NA
Speaking	VH591397	1		1.04	-3.40	NA
Speaking	VH591400	1		1.04	-3.07	NA
Speaking	VH591401	2		0.84	-2.77	0.72, -0.72
Speaking	VH591402	2		0.97	-3.01	0.45, -0.45
Speaking	VH591403	2		0.84	-2.28	0.51, -0.51
Reading	VH574308	1		0.45	-3.45	NA
Reading	VH574313	1		0.31	-5.48	NA
Reading	VH574315	1		0.27	-1.86	NA
Reading	VH574382	1		0.56	-5.00	NA
Reading	VH574387	1		0.45	-5.39	NA
Reading	VH574392	1		0.36	-2.52	NA
Reading	VH588689	2		0.36	-3.61	-0.01, 0.01
Reading	VH588702	1		0.47	-4.81	NA
Reading	VH588707	1		0.47	-4.17	NA

Table 8.B.5 (continued)

Domain	Item ID	Score Points	a-value	b-value	d-values
Reading	VH588710	1	0.49	-4.60	NA
Reading	VH589727	2	1.09	-3.66	1.44, -1.44
Reading	VH589737	1	0.27	-6.46	NA
Reading	VH590627	2	1.31	-3.75	1.11, -1.11
Reading	VH590632	1	0.41	-4.99	NA
Writing	VH574038	1	1.71	-3.81	NA
Writing	VH574059	1	1.63	-4.01	NA
Writing	VH574063	2	1.94	-3.62	0.23, -0.23
Writing	VH574079	2	2.27	-3.56	0.26, -0.26
Writing	VH590314	1	1.52	-4.43	NA
Writing	VH590317	1	1.15	-4.33	NA
Writing	VH590320	2	1.46	-3.62	0.34, -0.34
Writing	VH590325	2	1.81	-3.61	0.40, -0.40

Table 8.B.6 IRT Item Statistics by Domain for Grade One

Domain	Item ID	Score		<i>a</i> -value	<i>b</i> -value	<i>d</i> -values
		Points				
Listening	VH574978	1		0.49	-4.59	NA
Listening	VH575021	1		0.49	-3.95	NA
Listening	VH575192	1		0.51	-4.03	NA
Listening	VH575336	1		0.73	-3.36	NA
Listening	VH581036	1		0.82	-3.20	NA
Listening	VH581041	1		0.64	-2.25	NA
Listening	VH581048	1		0.49	-2.60	NA
Listening	VH582569	1		0.70	-2.59	NA
Listening	VH582578	1		0.21	-3.57	NA
Listening	VH582601	1		0.67	-2.94	NA
Listening	VH582930	1		0.71	-2.70	NA
Listening	VH582935	1		0.76	-2.74	NA
Listening	VH582954	1		0.58	-2.87	NA
Listening	VH590917	1		0.31	-1.76	NA
Listening	VH590924	1		0.75	-2.45	NA
Listening	VH590926	1		0.76	-2.58	NA
Listening	VH592014	1		0.86	-2.54	NA
Listening	VH592015	1		0.37	-1.65	NA
Listening	VH592016	1		0.61	-2.72	NA
Listening	VH592029	1		0.82	-2.52	NA
Listening	VH592032	1		0.46	-1.79	NA
Listening	VH592036	1		0.64	-2.14	NA
Speaking	VH572597	2		1.10	-2.80	0.68, -0.68
Speaking	VH573681	2		0.95	-2.94	0.75, -0.75
Speaking	VH586719	4		1.41	-1.56	1.14, 0.66, -0.41, -1.38
Speaking	VH586866	4		1.37	-1.78	0.63, 0.67, -0.09, -1.21
Speaking	VH592221	1		0.98	-3.86	NA
Speaking	VH592223	1		0.86	-1.71	NA
Speaking	VH592225	1		1.21	-3.21	NA
Speaking	VH592226	2		0.86	-2.05	0.38, -0.38
Speaking	VH592227	2		0.84	-2.10	0.27, -0.27
Speaking	VH592230	2		0.83	-2.15	0.17, -0.17
Reading	VH574783	1		0.95	-2.91	NA
Reading	VH574793	1		1.07	-3.45	NA
Reading	VH574901	1		0.95	-2.49	NA
Reading	VH578939	1		0.65	-2.49	NA
Reading	VH582867	1		0.86	-2.65	NA
Reading	VH582881	1		0.85	-2.87	NA
Reading	VH582892	1		1.22	-2.43	NA

Table 8.B.6 (continued)

Domain	Item ID	Score Points	a-value	b-value	d-values
Reading	VH582906	1	0.72	-2.05	NA
Reading	VH589386	1	0.52	-1.65	NA
Reading	VH589389	1	0.93	-1.48	NA
Reading	VH589390	1	1.05	-2.16	NA
Reading	VH589871	1	0.86	-2.43	NA
Reading	VH589872	1	0.89	-2.64	NA
Reading	VH589874	1	0.74	-2.88	NA
Reading	VH590201	1	0.93	-2.66	NA
Reading	VH590202	1	1.08	-1.88	NA
Reading	VH590204	1	1.60	-2.47	NA
Reading	VH591625	1	0.89	-2.29	NA
Reading	VH591629	1	0.70	-2.58	NA
Reading	VH591635	1	0.92	-1.78	NA
Writing	VH575294	1	0.68	-4.14	NA
Writing	VH575317	1	1.75	-3.50	NA
Writing	VH575322	2	0.57	-3.01	0.60, -0.60
Writing	VH575326	3	0.59	-2.20	0.56, 0.29, -0.85
Writing	VH581243	2	1.09	-2.75	0.62, -0.62,
Writing	VH581249	3	0.73	-2.39	0.93, 0.16, -1.09
Writing	VH581453	3	1.01	-2.32	0.70, 0.21, -0.91

Table 8.B.7 IRT Item Statistics by Domain for Grade Two

Domain	Item ID	Score	a-value	b-value	d-values
		Points			
Listening	VH574611	1	0.46	-3.98	NA
Listening	VH574635	1	0.57	-2.60	NA
Listening	VH574690	1	0.41	-3.44	NA
Listening	VH574694	1	0.65	-3.21	NA
Listening	VH580339	1	0.4	-0.10	NA
Listening	VH580343	1	0.54	-2.47	NA
Listening	VH580345	1	0.62	-2.61	NA
Listening	VH581568	1	1.3	-3.12	NA
Listening	VH581573	1	0.67	-2.79	NA
Listening	VH581575	1	0.8	-3.08	NA
Listening	VH581726	1	0.67	-3.05	NA
Listening	VH581728	1	0.77	-2.77	NA
Listening	VH581732	1	0.68	-2.95	NA
Listening	VH592309	1	0.57	-2.19	NA
Listening	VH592313	1	0.26	-0.52	NA
Listening	VH592317	1	0.58	-3.68	NA
Listening	VH592327	1	0.59	-2.22	NA
Listening	VH592378	1	0.36	-0.29	NA
Listening	VH592380	1	0.29	-3.20	NA
Listening	VH592395	1	0.17	1.30	NA
Listening	VH592399	1	0.43	-2.18	NA
Listening	VH592404	1	0.62	-2.00	NA
Speaking	VH574509	2	0.96	-2.38	0.77, -0.77
Speaking	VH574520	2	0.84	-2.52	0.89, -0.89
Speaking	VH581086	2	0.57	-2.24	0.69, -0.69
Speaking	VH581088	2	0.68	-2.47	0.22, -0.22
Speaking	VH581090	2	0.63	-2.04	0.03, -0.03
Speaking	VH584200	4	0.78	-1.03	2.22, 0.64, -0.68, -2.18
Speaking	VH588480	4	0.89	-1.87	0.74, 0.99, -0.26, -1.48
Speaking	VH590643	1	0.81	-3.66	NA
Speaking	VH590645	1	0.52	-2.62	NA
Speaking	VH590646	1	0.83	-2.35	NA
Speaking	VH590647	2	0.72	-1.75	0.39, -0.39
Speaking	VH590648	2	0.63	-2.28	1.05, -1.05
Speaking	VH590651	2	0.70	-2.12	0.63, -0.63

Table 8.B.7 (continued)

Domain	Item ID	Score Points	a-value	b-value	d-values
Reading	VH574982	1	1.27	-3.05	NA
Reading	VH575144	1	1.29	-2.79	NA
Reading	VH578954	1	0.82	-2.65	NA
Reading	VH581120	1	0.67	-2.64	NA
Reading	VH581126	1	0.68	-2.75	NA
Reading	VH581133	1	1.20	-2.65	NA
Reading	VH581134	1	0.34	0.16	NA
Reading	VH581209	1	1.33	-2.56	NA
Reading	VH590066	1	0.65	-1.75	NA
Reading	VH590098	1	1.24	-2.00	NA
Reading	VH590100	1	0.51	-1.70	NA
Reading	VH590634	1	0.29	-0.97	NA
Reading	VH590639	1	0.81	-1.49	NA
Reading	VH590644	1	0.62	-1.72	NA
Reading	VH590676	1	0.36	-1.92	NA
Reading	VH590678	1	0.62	-1.73	NA
Reading	VH590679	1	0.89	-2.02	NA
Reading	VH591559	1	0.81	-1.35	NA
Reading	VH591566	1	1.08	-1.65	NA
Reading	VH591573	1	0.77	-1.75	NA
Reading	VH591660	1	1.02	-1.88	NA
Reading	VH591662	1	0.81	-1.73	NA
Reading	VH591663	1	0.44	-0.86	NA
Reading	VH591678	1	0.76	-1.84	NA
Reading	VH591682	1	0.77	-1.44	NA
Reading	VH591684	1	0.97	-1.83	NA
Writing	VH573925	1	0.82	-3.21	NA
Writing	VH573927	1	0.83	-3.1	NA
Writing	VH573930	2	1.03	-2.04	1.17, -1.17
Writing	VH573933	3	0.45	-1.88	0.44, 0.21, -0.65
Writing	VH581409	2	0.88	-1.91	1.17, -1.17
Writing	VH581417	3	0.48	-2.09	0.40, 0.46, -0.86
Writing	VH581435	3	0.79	-2.45	0.84, 0.32, -1.16

Table 8.B.8 IRT Item Statistics by Domain for Grade Span Three Through Five

Domain	Item ID	Score	a-value	b-value	d-values
		Points			
Listening	VH574679	1	0.45	-2.42	NA
Listening	VH574939	1	0.58	-3.08	NA
Listening	VH575208	1	0.31	-1.42	NA
Listening	VH579818	1	0.51	-2.43	NA
Listening	VH579819	1	0.37	-1.96	NA
Listening	VH579827	1	0.56	-2.54	NA
Listening	VH582493	1	0.44	-3.07	NA
Listening	VH582498	1	0.41	-3.91	NA
Listening	VH582505	1	0.63	-2.7	NA
Listening	VH585382	1	0.46	-3.98	NA
Listening	VH585383	1	0.61	-2.18	NA
Listening	VH585384	1	0.38	-3.23	NA
Listening	VH585392	1	0.51	-0.73	NA
Listening	VH585393	1	0.49	-1.98	NA
Listening	VH585394	1	0.39	-1.45	NA
Listening	VH594033	1	0.43	-2.60	NA
Listening	VH594044	1	0.36	-0.91	NA
Listening	VH594050	1	0.29	-0.22	NA
Listening	VH594341	1	0.43	-1.60	NA
Listening	VH594345	1	0.20	2.56	NA
Listening	VH594352	1	0.24	-0.26	NA
Listening	VH594358	1	0.32	-0.04	NA
Speaking	VH570625	3	0.78	-1.79	1.16, 0.14, -1.3
Speaking	VH572692	3	0.78	-2.08	1.20, 0.19, -1.39
Speaking	VH572856	2	0.61	-1.47	0.13, -0.13
Speaking	VH573004	2	0.52	-2.09	0.21, -0.21
Speaking	VH573185	2	0.63	-1.53	0.30, -0.30
Speaking	VH586404	1	1.02	-2.85	NA
Speaking	VH586416	1	0.76	-2.61	NA
Speaking	VH586419	1	0.83	-3.43	NA
Speaking	VH586440	2	0.63	-2.27	-0.26, 0.26
Speaking	VH586450	2	0.70	-2.56	0.56, -0.56
Speaking	VH586452	2	0.46	-2.52	-0.39, 0.39
Speaking	VH587179	4	0.65	-1.19	1.57, 0.86, -0.43, -2.00
Speaking	VH589511	4	0.77	-1.83	0.34, 1.49, 0.04, -1.87

Table 8.B.8 (continued)

Domain	Item ID	Score Points	a-value	b-value	d-values
Reading	VH583431	1	0.35	-1.05	NA
Reading	VH583705	1	0.32	1.46	NA
Reading	VH583715	1	0.42	-0.41	NA
Reading	VH583861	1	0.53	-0.55	NA
Reading	VH583874	1	0.36	1.17	NA
Reading	VH583885	1	0.15	0.75	NA
Reading	VH585437	1	0.55	-1.61	NA
Reading	VH585440	1	0.35	-3.51	NA
Reading	VH592042	1	0.97	-1.30	NA
Reading	VH592062	1	0.74	-0.65	NA
Reading	VH592066	1	0.78	-0.45	NA
Reading	VH592075	1	0.75	-1.02	NA
Reading	VH592077	1	0.72	-0.91	NA
Reading	VH592080	1	0.98	-1.17	NA
Reading	VH593545	1	0.62	-0.12	NA
Reading	VH593555	1	0.89	-0.64	NA
Reading	VH593564	1	0.44	0.57	NA
Reading	VH593578	1	0.41	1.68	NA
Reading	VH593627	1	0.41	0.98	NA
Reading	VH593753	1	0.62	-0.32	NA
Reading	VH593846	1	0.64	-0.04	NA
Reading	VH593851	1	0.62	-0.86	NA
Reading	VH593897	1	0.76	-0.46	NA
Reading	VH594168	1	1.05	-1.33	NA
Reading	VH594170	1	0.60	-1.52	NA
Reading	VH594172	1	0.67	-1.49	NA
Writing	VH573816	4	0.64	-0.27	1.76, 1.05, -0.79, -2.02
Writing	VH576052	4	0.63	-0.34	0.96, 1.37, -0.61, -1.72
Writing	VH581300	2	0.59	-1.96	1.22, -1.22
Writing	VH581314	2	0.42	-2.16	1.47, -1.47
Writing	VH631658	2	0.60	-0.92	0.83, -0.83
Writing	VH631663	3	0.71	-0.59	1.29, 0.09, -1.38

Table 8.B.9 IRT Item Statistics by Domain for Grade Span Six Through Eight

Domain	Item ID	Score	a-value	b-value	d-values
		Points			
Listening	VH574684	1	0.37	-3.44	NA
Listening	VH574717	1	0.28	-2.67	NA
Listening	VH575068	1	0.30	-1.54	NA
Listening	VH575116	1	0.15	-0.35	NA
Listening	VH575121	1	0.46	-2.94	NA
Listening	VH575433	1	0.12	-2.66	NA
Listening	VH585577	1	0.31	-2.99	NA
Listening	VH585579	1	0.13	-0.34	NA
Listening	VH585583	1	0.39	-2.25	NA
Listening	VH585586	1	0.21	-2.70	NA
Listening	VH587161	1	0.36	-2.93	NA
Listening	VH587175	1	0.33	-2.18	NA
Listening	VH587183	1	0.08	0.48	NA
Listening	VH587223	1	0.38	-2.76	NA
Listening	VH592775	1	0.26	-2.64	NA
Listening	VH592777	1	0.25	-2.37	NA
Listening	VH592779	1	0.10	3.88	NA
Listening	VH592783	1	0.26	-1.54	NA
Listening	VH592977	1	0.21	-1.63	NA
Listening	VH593022	1	0.21	-2.39	NA
Listening	VH593024	1	0.15	-0.31	NA
Listening	VH593029	1	0.06	0.57	NA
Speaking	VH572624	3	0.68	-1.50	0.96, 0.28, -1.24
Speaking	VH573085	3	0.76	-1.49	0.93, 0.25, -1.18
Speaking	VH573303	2	0.65	-2.35	0.49, -0.49
Speaking	VH573426	2	0.64	-2.30	0.32, -0.32
Speaking	VH574641	3	0.63	-0.71	1.67, -0.34, -1.33
Speaking	VH574643	3	0.50	-0.70	1.22, -0.53, -0.69
Speaking	VH586468	1	1.18	-3.05	NA
Speaking	VH586472	1	1.24	-2.70	NA
Speaking	VH586476	1	0.79	-2.14	NA
Speaking	VH586478	2	0.86	-2.46	0.39, -0.39
Speaking	VH586496	2	0.66	-1.64	0.41, -0.41
Speaking	VH586500	2	0.61	-2.11	0.50, -0.50
Speaking	VH587883	4	0.59	-0.21	1.92, 1.07, -0.63, -2.36

Table 8.B.9 (continued)

Domain	Item ID	Score	a-value	b-value	d-values
		Points			
Reading	VH584012	1	0.51	0.95	NA
Reading	VH584014	1	0.59	-0.72	NA
Reading	VH584015	1	0.37	1.49	NA
Reading	VH584016	1	0.34	0.19	NA
Reading	VH584019	1	0.22	2.23	NA
Reading	VH584025	1	0.39	1.25	NA
Reading	VH584026	1	0.38	0.48	NA
Reading	VH584028	1	0.43	0.89	NA
Reading	VH592127	1	0.51	-0.46	NA
Reading	VH592142	1	0.48	0.44	NA
Reading	VH592152	1	0.56	0.37	NA
Reading	VH592159	1	0.56	0.82	NA
Reading	VH592161	1	0.53	0.78	NA
Reading	VH592168	1	0.53	0.07	NA
Reading	VH593976	1	0.35	0.82	NA
Reading	VH593990	1	0.37	-0.31	NA
Reading	VH593996	1	0.28	1.11	NA
Reading	VH594085	1	0.27	0.58	NA
Reading	VH594089	1	0.53	-0.37	NA
Reading	VH594090	1	0.35	0.46	NA
Reading	VH614051	1	0.45	0.73	NA
Reading	VH614058	1	0.48	0.81	NA
Reading	VH614059	1	0.18	3.63	NA
Reading	VH614061	1	0.19	4.40	NA
Reading	VH614062	1	0.13	5.01	NA
Reading	VH614067	1	0.51	0.62	NA
Writing	VH574768	4	0.62	-0.34	0.85, 1.58, -0.33, -2.09
Writing	VH575895	4	0.64	0.17	1.81, 0.63, -0.42, -2.01
Writing	VH575964	2	0.63	-0.65	0.33, -0.33
Writing	VH575973	3	0.64	-0.10	1.34, 0.05, -1.39
Writing	VH582350	2	0.48	-1.75	1.91, -1.91
Writing	VH582455	2	0.47	-1.63	2.02, -2.02

Table 8.B.10 IRT Item Statistics by Domain for Grade Span Nine Through Ten

Domain	Item ID	Score	a-value	b-value	d-values
		Points			
Listening	VH569142	1	0.31	-1.45	NA
Listening	VH569145	1	0.07	5.10	NA
Listening	VH569149	1	0.28	-3.30	NA
Listening	VH574838	1	0.14	-3.26	NA
Listening	VH574851	1	0.23	-0.89	NA
Listening	VH575078	1	0.24	-2.94	NA
Listening	VH579170	1	0.09	-0.20	NA
Listening	VH579175	1	0.31	-2.98	NA
Listening	VH579180	1	0.32	-1.70	NA
Listening	VH579185	1	0.19	-0.26	NA
Listening	VH585396	1	0.28	-1.23	NA
Listening	VH585397	1	0.23	-3.93	NA
Listening	VH585398	1	0.28	-1.94	NA
Listening	VH585399	1	0.28	-1.51	NA
Listening	VH593068	1	0.21	-1.23	NA
Listening	VH593083	1	0.20	-1.42	NA
Listening	VH593093	1	0.24	-2.66	NA
Listening	VH593104	1	0.24	-0.88	NA
Listening	VH593202	1	0.18	-1.20	NA
Listening	VH593206	1	0.22	-3.24	NA
Listening	VH593218	1	0.26	-2.55	NA
Listening	VH593226	1	0.17	0.29	NA
Speaking	VH572682	3	0.74	-1.42	1.08, 0.26, -1.33
Speaking	VH572838	3	0.60	-1.35	1.00, 0.24, -1.24
Speaking	VH573248	2	0.64	-1.32	0.54, -0.54
Speaking	VH573250	2	0.56	-2.06	0.44, -0.44
Speaking	VH573602	3	0.52	-1.30	0.81, 0.29, -1.10
Speaking	VH573615	3	0.52	-1.00	0.81, -0.35, -0.46
Speaking	VH587594	1	0.85	-1.96	NA
Speaking	VH587603	1	0.58	-1.73	NA
Speaking	VH587610	1	0.89	-3.29	NA
Speaking	VH587619	2	0.47	-1.68	-0.48, 0.48
Speaking	VH587625	2	0.87	-1.82	0.47, -0.47
Speaking	VH587631	2	0.57	-1.67	0.04, -0.04
Speaking	VH587886	4	0.45	0.28	1.81, 1.75, -0.53, -3.04

Table 8.B.10 (continued)

Domain	Item ID	Score Points	a-value	b-value	d-values
Reading	VH583418	1	0.47	0.09	NA
Reading	VH583439	1	0.31	0.30	NA
Reading	VH583446	1	0.45	1.59	NA
Reading	VH583451	1	0.46	1.05	NA
Reading	VH583454	1	0.27	1.05	NA
Reading	VH583458	1	0.30	0.83	NA
Reading	VH583474	1	0.27	1.48	NA
Reading	VH583948	1	0.38	-0.42	NA
Reading	VH592780	1	0.36	1.46	NA
Reading	VH592781	1	0.63	-0.22	NA
Reading	VH592782	1	0.30	1.24	NA
Reading	VH592786	1	0.23	1.32	NA
Reading	VH592788	1	0.49	0.48	NA
Reading	VH592789	1	0.51	0.36	NA
Reading	VH593308	1	0.31	0.83	NA
Reading	VH593312	1	0.14	0.84	NA
Reading	VH593318	1	0.39	1.95	NA
Reading	VH593411	1	0.36	0.42	NA
Reading	VH593413	1	0.28	0.46	NA
Reading	VH593417	1	0.47	-1.08	NA
Reading	VH613961	1	0.65	-0.26	NA
Reading	VH613990	1	0.39	1.37	NA
Reading	VH613994	1	0.30	1.75	NA
Reading	VH614007	1	0.49	1.32	NA
Reading	VH614015	1	0.49	0.53	NA
Reading	VH614027	1	0.32	2.23	NA
Writing	VH574232	4	0.57	-0.17	0.78, 1.78, -0.13, -2.42
Writing	VH576280	4	0.61	0.63	1.84, 1.38, -0.47, -2.75
Writing	VH579215	2	0.57	-0.30	1.34, -1.34
Writing	VH579227	3	0.56	0.03	1.54, 0.09, -1.63
Writing	VH583487	2	0.49	-1.81	1.59, -1.59
Writing	VH583496	2	0.45	-1.56	1.68, -1.68

Table 8.B.11 IRT Item Statistics by Domain for Grade Span Eleven Through Twelve

Domain	Item ID	Score		<i>b</i> -value	<i>d</i> -values
		Points	<i>a</i> -value		
Listening	VH570664	1	0.17	-2.20	NA
Listening	VH570700	1	0.11	-0.55	NA
Listening	VH570707	1	0.25	-3.07	NA
Listening	VH574943	1	0.38	-2.34	NA
Listening	VH574948	1	0.24	-4.00	NA
Listening	VH574951	1	0.17	-2.11	NA
Listening	VH584191	1	0.27	-2.00	NA
Listening	VH584193	1	0.19	-1.32	NA
Listening	VH584196	1	0.18	-0.84	NA
Listening	VH584201	1	0.30	-2.09	NA
Listening	VH585447	1	0.23	-0.04	NA
Listening	VH585448	1	0.18	-0.61	NA
Listening	VH585450	1	0.30	-0.91	NA
Listening	VH585451	1	0.14	-1.47	NA
Listening	VH593346	1	0.18	-1.73	NA
Listening	VH593347	1	0.19	0.81	NA
Listening	VH593348	1	0.17	-0.92	NA
Listening	VH593352	1	0.20	-1.21	NA
Listening	VH593368	1	0.25	-1.81	NA
Listening	VH593369	1	0.29	-1.83	NA
Listening	VH593370	1	0.15	-2.00	NA
Listening	VH593375	1	0.09	-1.23	NA
Speaking	VH572648	3	0.59	-1.37	0.47, 0.62, -1.09
Speaking	VH573092	3	0.71	-1.69	1.07, 0.17, -1.24
Speaking	VH573627	2	0.60	-1.59	0.38, -0.38
Speaking	VH573658	2	0.60	-1.71	0.57, -0.57
Speaking	VH574874	3	0.51	-0.95	0.28, 0.55, -0.83
Speaking	VH574885	3	0.53	-0.84	0.32, -0.09, -0.23
Speaking	VH587667	1	0.64	-3.22	NA
Speaking	VH587673	1	0.66	-2.31	NA
Speaking	VH587690	1	0.40	-0.51	NA
Speaking	VH587699	2	0.42	-2.58	-0.40, 0.4
Speaking	VH587706	2	0.57	-2.11	0.81, -0.81
Speaking	VH587711	2	0.71	-2.22	0.36, -0.36
Speaking	VH588283	4	0.57	-0.33	1.44, 1.48, -0.55, -2.37

Table 8.B.11 (continued)

Domain	Item ID	Score Points	a-value	b-value	d-values
Reading	VH585340	1	0.41	0.22	NA
Reading	VH585351	1	0.37	1.27	NA
Reading	VH585357	1	0.63	1.00	NA
Reading	VH585359	1	0.24	0.67	NA
Reading	VH585361	1	0.31	1.70	NA
Reading	VH585366	1	0.49	-0.13	NA
Reading	VH585379	1	0.54	0.71	NA
Reading	VH585380	1	0.62	-0.33	NA
Reading	VH592791	1	0.33	2.48	NA
Reading	VH592792	1	0.49	1.03	NA
Reading	VH592793	1	0.37	1.52	NA
Reading	VH592794	1	0.40	0.22	NA
Reading	VH592798	1	0.25	3.48	NA
Reading	VH592799	1	0.56	0.56	NA
Reading	VH593659	1	0.48	0.11	NA
Reading	VH593661	1	0.36	1.09	NA
Reading	VH593663	1	0.34	1.13	NA
Reading	VH594027	1	0.25	0.73	NA
Reading	VH594031	1	0.28	1.50	NA
Reading	VH594041	1	0.04	6.41	NA
Reading	VH594045	1	0.17	1.05	NA
Reading	VH594049	1	0.23	2.07	NA
Reading	VH594054	1	0.04	18.94	NA
Reading	VH594409	1	0.22	1.97	NA
Reading	VH594412	1	0.34	1.55	NA
Reading	VH594413	1	0.36	2.83	NA
Writing	VH573892	4	0.53	-0.05	1.51, 1.58, -0.43, -2.66
Writing	VH574580	2	0.48	-0.58	2.00, -2.00
Writing	VH574583	3	0.60	0.02	1.93, 0.09, -2.02
Writing	VH575258	4	0.65	0.72	2.05, 1.38, -0.58, -2.85
Writing	VH583504	2	0.44	-1.54	2.10, -2.10
Writing	VH583507	2	0.41	-1.41	2.09, -2.09

Appendix 8.C. Reliability Estimates

Table 8.C.1 Reliability Estimates by Student Groups for Kindergarten

Student Group	N	Listening Reliability	Speaking Reliability	Reading Reliability	Writing Reliability	Oral Language Reliability	Written Language Reliability
Male	90,356	0.84	0.88	0.80	0.92	0.90	0.91
Female	85,431	0.82	0.87	0.78	0.91	0.89	0.90
American Indian or Alaska Native	255	0.84	0.89	0.79	0.92	0.91	0.91
Asian	24,354	0.85	0.88	0.81	0.90	0.91	0.90
Native Hawaiian or Other Pacific Islander	415	0.83	0.87	0.80	0.91	0.90	0.91
Filipino	1,762	0.86	0.86	0.81	0.91	0.90	0.91
Hispanic or Latino	135,952	0.82	0.87	0.78	0.91	0.90	0.90
Black or African American	835	0.86	0.88	0.81	0.90	0.91	0.91
White	9,022	0.86	0.90	0.82	0.92	0.92	0.91
Two or more races	1,127	0.86	0.85	0.80	0.91	0.90	0.90
Economically disadvantaged	136,791	0.82	0.88	0.78	0.91	0.90	0.90
Not economically disadvantaged	38,996	0.85	0.88	0.81	0.92	0.91	0.91
Students receiving special education services	14,256	0.89	0.91	0.84	0.92	0.93	0.92
Students not receiving special education services	161,531	0.81	0.87	0.78	0.91	0.89	0.90
Migrant	3,132	0.81	0.89	0.78	0.91	0.90	0.90
Nonmigrant	172,655	0.83	0.88	0.79	0.91	0.90	0.90

Table 8.C. 2 Reliability Estimates by Student Groups for Grade One

Student Group	N	Listening Reliability	Speaking Reliability	Reading Reliability	Writing Reliability	Oral Language Reliability	Written Language Reliability
Male	75,322	0.85	0.85	0.92	0.83	0.90	0.93
Female	70,436	0.82	0.85	0.91	0.81	0.89	0.92
American Indian or Alaska Native	188	0.78	0.76	0.89	0.80	0.84	0.91
Asian	17,731	0.86	0.86	0.92	0.82	0.91	0.93
Native Hawaiian or Other Pacific Islander	371	0.84	0.84	0.92	0.85	0.90	0.94
Filipino	1,536	0.84	0.84	0.91	0.80	0.89	0.92
Hispanic or Latino	115,565	0.83	0.84	0.91	0.82	0.89	0.92
Black or African American	645	0.88	0.86	0.93	0.84	0.92	0.94
White	7,390	0.87	0.87	0.93	0.83	0.92	0.93
Two or more races	828	0.86	0.86	0.92	0.81	0.91	0.92
Economically disadvantaged	119,630	0.83	0.84	0.91	0.82	0.89	0.92
Not economically disadvantaged	26,128	0.87	0.86	0.93	0.82	0.91	0.93
Students receiving special education services	13,370	0.88	0.88	0.92	0.88	0.92	0.94
Students not receiving special education services	132,388	0.82	0.84	0.91	0.80	0.88	0.92
Migrant	3,375	0.82	0.85	0.90	0.81	0.89	0.92
Nonmigrant	142,383	0.84	0.85	0.92	0.82	0.89	0.93

Table 8.C. 3 Reliability Estimates by Student Groups for Grade Two

Student Group	N	Listening Reliability	Speaking Reliability	Reading Reliability	Writing Reliability	Oral Language Reliability	Written Language Reliability
Male	66,603	0.81	0.88	0.89	0.81	0.90	0.91
Female	60,695	0.78	0.87	0.88	0.79	0.89	0.91
American Indian or Alaska Native	175	0.85	0.91	0.91	0.83	0.92	0.93
Asian	14,090	0.85	0.90	0.91	0.80	0.92	0.92
Native Hawaiian or Other Pacific Islander	375	0.80	0.87	0.88	0.82	0.89	0.91
Filipino	1,484	0.81	0.87	0.88	0.76	0.89	0.90
Hispanic or Latino	102,863	0.78	0.87	0.88	0.80	0.88	0.91
Black or African American	536	0.85	0.90	0.90	0.83	0.93	0.92
White	6,118	0.85	0.91	0.91	0.82	0.92	0.92
Two or more races	650	0.87	0.91	0.91	0.77	0.93	0.92
Economically disadvantaged	106,940	0.79	0.87	0.88	0.80	0.89	0.91
Not economically disadvantaged	20,358	0.85	0.91	0.91	0.82	0.92	0.92
Students receiving special education services	14,402	0.85	0.91	0.88	0.85	0.92	0.91
Students not receiving special education services	112,896	0.77	0.86	0.88	0.77	0.88	0.90
Migrant	3,213	0.78	0.89	0.87	0.80	0.89	0.90
Nonmigrant	124,085	0.80	0.88	0.89	0.80	0.89	0.91

Table 8.C.4 Reliability Estimates by Student Groups for Grade Span Three Through Five

Student Group	N	Listening Reliability	Speaking Reliability	Reading Reliability	Writing Reliability	Oral Language Reliability	Written Language Reliability
Male	166,207	0.79	0.90	0.85	0.81	0.90	0.89
Female	141,478	0.75	0.90	0.83	0.80	0.89	0.88
American Indian or Alaska Native	410	0.77	0.89	0.84	0.81	0.89	0.88
Asian	27,477	0.83	0.92	0.88	0.84	0.92	0.91
Native Hawaiian or Other Pacific Islander	954	0.76	0.90	0.83	0.80	0.89	0.88
Filipino	3,341	0.79	0.89	0.84	0.77	0.90	0.88
Hispanic or Latino	257,706	0.76	0.89	0.83	0.80	0.88	0.88
Black or African American	1,401	0.81	0.92	0.87	0.84	0.92	0.90
White	13,035	0.83	0.93	0.87	0.85	0.92	0.91
Two or more races	1,213	0.82	0.89	0.86	0.81	0.91	0.90
Economically disadvantaged	266,213	0.77	0.89	0.84	0.80	0.89	0.88
Not economically disadvantaged	41,472	0.83	0.92	0.87	0.83	0.92	0.90
Students receiving special education services	54,543	0.81	0.90	0.83	0.84	0.91	0.88
Students not receiving special education services	253,142	0.75	0.89	0.83	0.78	0.88	0.87
Migrant	8,156	0.77	0.91	0.84	0.82	0.90	0.89
Nonmigrant	299,529	0.78	0.90	0.84	0.81	0.89	0.89

Table 8.C.5 Reliability Estimates by Student Groups for Grade Span Six Through Eight

Student Group	N	Listening Reliability	Speaking Reliability	Reading Reliability	Writing Reliability	Oral Language Reliability	Written Language Reliability
Male	113,708	0.72	0.90	0.79	0.82	0.88	0.85
Female	85,338	0.68	0.90	0.78	0.81	0.88	0.85
American Indian or Alaska Native	242	0.68	0.89	0.78	0.80	0.87	0.84
Asian	16,956	0.76	0.92	0.85	0.85	0.91	0.89
Native Hawaiian or Other Pacific Islander	731	0.67	0.88	0.77	0.80	0.86	0.84
Filipino	2,560	0.69	0.87	0.80	0.80	0.86	0.86
Hispanic or Latino	167,875	0.69	0.90	0.77	0.81	0.88	0.84
Black or African American	979	0.74	0.91	0.82	0.85	0.90	0.87
White	7,683	0.76	0.93	0.84	0.87	0.91	0.89
Two or more races	617	0.76	0.91	0.85	0.82	0.90	0.89
Economically disadvantaged	174,650	0.69	0.90	0.77	0.81	0.88	0.84
Not economically disadvantaged	24,396	0.77	0.93	0.84	0.85	0.91	0.89
Students receiving special education services	49,230	0.73	0.88	0.72	0.81	0.87	0.82
Students not receiving special education services	149,816	0.68	0.91	0.78	0.80	0.88	0.85
Migrant	5,309	0.70	0.92	0.77	0.84	0.90	0.85
Nonmigrant	193,737	0.70	0.90	0.78	0.82	0.88	0.85

Table 8.C.6 Reliability Estimates by Student Groups for Grade Span Nine Through Ten

Student Group	N	Listening Reliability	Speaking Reliability	Reading Reliability	Writing Reliability	Oral Language Reliability	Written Language Reliability
Male	59,035	0.83	0.94	0.83	0.84	0.93	0.88
Female	40,805	0.80	0.95	0.83	0.84	0.93	0.88
American Indian or Alaska Native	120	0.82	0.94	0.82	0.84	0.93	0.87
Asian	9,417	0.83	0.93	0.86	0.83	0.93	0.90
Native Hawaiian or Other Pacific Islander	356	0.79	0.92	0.80	0.80	0.91	0.87
Filipino	1,569	0.75	0.89	0.80	0.78	0.89	0.86
Hispanic or Latino	82,453	0.81	0.95	0.82	0.84	0.93	0.88
Black or African American	540	0.82	0.94	0.85	0.84	0.93	0.89
White	3,994	0.86	0.95	0.87	0.88	0.94	0.91
Two or more races	297	0.84	0.93	0.87	0.83	0.93	0.90
Economically disadvantaged	85,399	0.81	0.94	0.82	0.84	0.93	0.88
Not economically disadvantaged	14,441	0.84	0.95	0.86	0.86	0.94	0.90
Students receiving special education services	23,523	0.81	0.91	0.79	0.81	0.90	0.85
Students not receiving special education services	76,317	0.82	0.95	0.83	0.85	0.93	0.89
Migrant	2,415	0.79	0.95	0.82	0.85	0.93	0.88
Nonmigrant	97,425	0.82	0.94	0.83	0.84	0.93	0.88

Table 8.C.7 Reliability Estimates by Student Groups for Grade Span Eleven Through Twelve

Student Group	N	Listening Reliability	Speaking Reliability	Reading Reliability	Writing Reliability	Oral Language Reliability	Written Language Reliability
Male	43,711	0.81	0.94	0.81	0.83	0.92	0.87
Female	31,294	0.79	0.94	0.79	0.82	0.92	0.86
American Indian or Alaska Native	122	0.79	0.93	0.80	0.80	0.91	0.86
Asian	8,550	0.80	0.93	0.82	0.81	0.92	0.87
Native Hawaiian or Other Pacific Islander	345	0.79	0.94	0.80	0.82	0.91	0.87
Filipino	1,429	0.75	0.90	0.79	0.79	0.89	0.86
Hispanic or Latino	59,999	0.80	0.94	0.80	0.83	0.92	0.87
Black or African American	485	0.79	0.93	0.79	0.80	0.92	0.86
White	3,183	0.82	0.93	0.84	0.84	0.92	0.89
Two or more races	203	0.84	0.95	0.85	0.86	0.94	0.90
Economically disadvantaged	63,158	0.80	0.94	0.80	0.82	0.92	0.86
Not economically disadvantaged	11,847	0.83	0.94	0.83	0.84	0.93	0.89
Students receiving special education services	18,052	0.81	0.93	0.78	0.84	0.92	0.86
Students not receiving special education services	56,953	0.79	0.94	0.80	0.82	0.92	0.86
Migrant	2,031	0.77	0.95	0.76	0.82	0.92	0.85
Nonmigrant	72,974	0.80	0.94	0.81	0.83	0.92	0.87

Appendix 8.D. Raw-to-Scale-Score Conversions

Table 8.D.1 Raw-to-Scale-Score Conversion Table for Oral, Kindergarten

Raw Score	Scale Score	CSEM	Level
0	1150	94	Level 1
1	1211	52	Level 1
2	1250	35	Level 1
3	1273	27	Level 1
4	1289	23	Level 1
5	1302	20	Level 1
6	1312	18	Level 1
7	1321	16	Level 1
8	1328	15	Level 1
9	1335	14	Level 1
10	1341	13	Level 1
11	1347	13	Level 1
12	1352	12	Level 1
13	1357	12	Level 1
14	1362	11	Level 1
15	1366	11	Level 1
16	1371	11	Level 1
17	1375	10	Level 1
18	1379	10	Level 1
19	1383	10	Level 1
20	1386	10	Level 1
21	1390	10	Level 2
22	1394	10	Level 2
23	1398	10	Level 2
24	1401	10	Level 2
25	1405	10	Level 2
26	1409	10	Level 2
27	1413	10	Level 2
28	1418	11	Level 3
29	1422	11	Level 3
30	1427	11	Level 3
31	1432	12	Level 3
32	1438	12	Level 3
33	1445	13	Level 3
34	1451	13	Level 4
35	1459	14	Level 4
36	1468	15	Level 4

Table 8.D.1 (continued)

Raw Score	Scale Score	CSEM	Level
37	1478	16	Level 4
38	1490	18	Level 4
39	1507	24	Level 4
40	1539	43	Level 4
41	1700	237	Level 4

Table 8.D.2 Raw-to-Scale-Score Conversion Table for Written, Kindergarten

Raw Score	Scale Score	CSEM	Level
0	1150	87	Level 1
1	1188	65	Level 1
2	1238	42	Level 1
3	1266	31	Level 1
4	1286	23	Level 1
5	1300	19	Level 1
6	1311	16	Level 1
7	1320	14	Level 1
8	1328	12	Level 1
9	1335	11	Level 1
10	1341	10	Level 1
11	1346	9	Level 1
12	1351	9	Level 1
13	1355	8	Level 2
14	1360	8	Level 2
15	1364	8	Level 2
16	1368	8	Level 2
17	1372	8	Level 2
18	1376	8	Level 2
19	1380	8	Level 2
20	1384	9	Level 2
21	1389	9	Level 2
22	1395	10	Level 2
23	1402	12	Level 2
24	1411	14	Level 3
25	1422	18	Level 3
26	1437	23	Level 4
27	1460	33	Level 4
28	1506	61	Level 4
29	1700	271	Level 4

Table 8.D.3 Raw-to-Scale-Score Conversion Table for Oral, Grade One

Raw Score	Scale Score	CSEM	Level
0	1150	128	Level 1
1	1237	53	Level 1
2	1277	33	Level 1
3	1299	25	Level 1
4	1314	21	Level 1
5	1325	18	Level 1
6	1334	16	Level 1
7	1342	15	Level 1
8	1349	14	Level 1
9	1355	13	Level 1
10	1361	13	Level 1
11	1366	12	Level 1
12	1371	12	Level 1
13	1375	11	Level 1
14	1380	11	Level 1
15	1384	11	Level 1
16	1388	10	Level 1
17	1391	10	Level 1
18	1395	10	Level 1
19	1398	10	Level 1
20	1402	9	Level 1
21	1405	9	Level 1
22	1408	9	Level 1
23	1412	9	Level 2
24	1415	9	Level 2
25	1418	9	Level 2
26	1422	10	Level 2
27	1425	10	Level 2
28	1429	10	Level 2
29	1433	10	Level 3
30	1437	11	Level 3
31	1441	11	Level 3
32	1446	11	Level 3
33	1451	12	Level 3
34	1456	12	Level 3
35	1462	13	Level 4
36	1468	13	Level 4
37	1475	14	Level 4
38	1484	15	Level 4

Table 8.D.3 (continued)

Raw Score	Scale Score	CSEM	Level
39	1493	16	Level 4
40	1505	19	Level 4
41	1521	23	Level 4
42	1553	42	Level 4
43	1700	223	Level 4

Table 8.D.4 Raw-to-Scale-Score Conversion Table for Written, Grade One

Raw Score	Scale Score	CSEM	Level
0	1150	342	Level 1
1	1307	32	Level 1
2	1330	22	Level 1
3	1344	17	Level 1
4	1353	15	Level 1
5	1361	13	Level 1
6	1367	12	Level 1
7	1373	11	Level 1
8	1378	11	Level 1
9	1382	10	Level 1
10	1387	10	Level 1
11	1391	10	Level 1
12	1394	10	Level 1
13	1398	9	Level 1
14	1402	9	Level 1
15	1405	9	Level 1
16	1409	9	Level 1
17	1412	9	Level 1
18	1416	9	Level 1
19	1419	9	Level 2
20	1422	9	Level 2
21	1426	9	Level 2
22	1430	10	Level 2
23	1433	10	Level 2
24	1437	10	Level 2
25	1441	10	Level 3
26	1446	11	Level 3
27	1451	11	Level 3
28	1456	12	Level 3
29	1462	13	Level 3
30	1468	14	Level 3
31	1476	15	Level 4
32	1486	18	Level 4
33	1500	22	Level 4
34	1523	32	Level 4
35	1700	445	Level 4

Table 8.D.5 Raw-to-Scale-Score Conversion Table for Oral, Grade Two

Raw Score	Scale Score	CSEM	Level
0	1150	124	Level 1
1	1235	51	Level 1
2	1272	33	Level 1
3	1293	26	Level 1
4	1308	22	Level 1
5	1319	19	Level 1
6	1328	18	Level 1
7	1336	16	Level 1
8	1343	15	Level 1
9	1349	14	Level 1
10	1355	14	Level 1
11	1360	13	Level 1
12	1365	13	Level 1
13	1369	12	Level 1
14	1373	12	Level 1
15	1377	12	Level 1
16	1381	11	Level 1
17	1385	11	Level 1
18	1389	11	Level 1
19	1392	11	Level 1
20	1396	11	Level 1
21	1400	11	Level 1
22	1403	11	Level 1
23	1407	11	Level 1
24	1410	11	Level 2
25	1414	11	Level 2
26	1417	11	Level 2
27	1421	11	Level 2
28	1425	12	Level 2
29	1429	12	Level 2
30	1433	12	Level 2
31	1437	12	Level 3
32	1441	12	Level 3
33	1445	13	Level 3
34	1450	13	Level 3
35	1455	13	Level 3
36	1460	14	Level 3
37	1465	14	Level 3
38	1471	15	Level 3
39	1477	15	Level 4

Table 8.D.5 (continued)

Raw Score	Scale Score	CSEM	Level
40	1484	16	Level 4
41	1491	17	Level 4
42	1500	18	Level 4
43	1510	20	Level 4
44	1522	22	Level 4
45	1536	25	Level 4
46	1555	30	Level 4
47	1583	39	Level 4
48	1636	67	Level 4
49	1700	122	Level 4

Table 8.D.6 Raw-to-Scale-Score Conversion Table for Written, Grade Two

Raw Score	Scale Score	CSEM	Level
0	1150	269	Level 1
1	1305	37	Level 1
2	1331	24	Level 1
3	1346	19	Level 1
4	1357	16	Level 1
5	1365	14	Level 1
6	1372	13	Level 1
7	1378	12	Level 1
8	1383	12	Level 1
9	1388	11	Level 1
10	1392	11	Level 1
11	1396	10	Level 1
12	1400	10	Level 1
13	1404	10	Level 1
14	1408	10	Level 1
15	1411	10	Level 1
16	1415	10	Level 1
17	1418	10	Level 1
18	1422	10	Level 1
19	1425	10	Level 1
20	1429	10	Level 1
21	1432	10	Level 2
22	1436	10	Level 2
23	1439	10	Level 2
24	1443	10	Level 2
25	1447	10	Level 2
26	1451	11	Level 2
27	1455	11	Level 2
28	1459	11	Level 3
29	1463	11	Level 3
30	1468	12	Level 3
31	1472	12	Level 3
32	1478	13	Level 3
33	1484	14	Level 3
34	1490	15	Level 3
35	1497	16	Level 3
36	1506	17	Level 4

Table 8.D.6 (continued)

Raw Score	Scale Score	CSEM	Level
37	1516	20	Level 4
38	1530	24	Level 4
39	1551	32	Level 4
40	1589	51	Level 4
41	1700	152	Level 4

Table 8.D.7 Raw-to-Scale-Score Conversion Table for Oral, Grade Span Three Through Five

Raw Score	Scale Score	CSEM	Level
0	1150	113	Level 1
1	1225	57	Level 1
2	1267	38	Level 1
3	1290	30	Level 1
4	1307	25	Level 1
5	1320	22	Level 1
6	1330	20	Level 1
7	1339	18	Level 1
8	1346	17	Level 1
9	1353	16	Level 1
10	1359	15	Level 1
11	1364	14	Level 1
12	1369	14	Level 1
13	1374	13	Level 1
14	1378	13	Level 1
15	1383	13	Level 1
16	1387	12	Level 1
17	1391	12	Level 1
18	1394	12	Level 1
19	1398	12	Level 1
20	1402	12	Level 1
21	1405	12	Level 1
22	1409	12	Level 1
23	1412	12	Level 1
24	1416	12	Level 1
25	1420	12	Level 1
26	1424	12	Level 1
27	1427	12	Level 1
28	1431	12	Level 1
29	1435	13	Level 1
30	1439	13	Level 2
31	1443	13	Level 2
32	1447	13	Level 2
33	1452	14	Level 2
34	1457	14	Level 2
35	1461	14	Level 2
36	1466	15	Level 3
37	1472	15	Level 3
38	1477	15	Level 3

Table 8.D.7 (continued)

Raw Score	Scale Score	CSEM	Level
39	1483	16	Level 3
40	1490	17	Level 3
41	1496	17	Level 3
42	1504	18	Level 3
43	1512	19	Level 4
44	1522	21	Level 4
45	1533	23	Level 4
46	1546	26	Level 4
47	1562	29	Level 4
48	1583	36	Level 4
49	1616	48	Level 4
50	1678	81	Level 4
51	1800	178	Level 4

Table 8.D.8 Raw-to-Scale-Score Conversion Table for Written, Grade Span Three Through Five

Raw Score	Scale Score	CSEM	Level
0	1150	209	Level 1
1	1296	56	Level 1
2	1339	37	Level 1
3	1363	29	Level 1
4	1380	24	Level 1
5	1393	21	Level 1
6	1403	19	Level 1
7	1412	17	Level 1
8	1419	16	Level 1
9	1426	15	Level 1
10	1432	14	Level 1
11	1437	14	Level 1
12	1442	13	Level 1
13	1447	13	Level 1
14	1452	12	Level 1
15	1456	12	Level 1
16	1461	12	Level 1
17	1465	12	Level 1
18	1469	12	Level 1
19	1473	12	Level 1
20	1477	12	Level 1
21	1482	12	Level 2
22	1486	12	Level 2
23	1490	12	Level 2
24	1495	12	Level 2
25	1499	13	Level 2
26	1504	13	Level 2
27	1508	13	Level 2
28	1513	13	Level 2
29	1519	14	Level 3
30	1524	14	Level 3
31	1530	15	Level 3
32	1536	15	Level 3
33	1542	16	Level 3
34	1549	17	Level 3
35	1557	18	Level 3
36	1566	19	Level 4
37	1575	20	Level 4
38	1587	23	Level 4

Table 8.D.8 (continued)

Raw Score	Scale Score	CSEM	Level
39	1601	26	Level 4
40	1619	30	Level 4
41	1644	39	Level 4
42	1691	62	Level 4
43	1800	160	Level 4

Table 8.D.9 Raw-to-Scale-Score Conversion Table for Oral, Grade Span Six Through Eight

Raw Score	Scale Score	CSEM	Level
0	1150	93	Level 1
1	1150	93	Level 1
2	1155	91	Level 1
3	1216	63	Level 1
4	1254	49	Level 1
5	1281	39	Level 1
6	1302	32	Level 1
7	1318	28	Level 1
8	1331	24	Level 1
9	1342	21	Level 1
10	1351	19	Level 1
11	1359	18	Level 1
12	1366	17	Level 1
13	1373	16	Level 1
14	1379	15	Level 1
15	1384	14	Level 1
16	1390	14	Level 1
17	1395	14	Level 1
18	1399	13	Level 1
19	1404	13	Level 1
20	1409	13	Level 1
21	1413	13	Level 1
22	1418	13	Level 1
23	1422	13	Level 1
24	1427	13	Level 1
25	1431	14	Level 1
26	1436	14	Level 2
27	1441	14	Level 2
28	1445	14	Level 2
29	1450	14	Level 2
30	1456	15	Level 2
31	1461	15	Level 2
32	1466	16	Level 2
33	1472	16	Level 2
34	1478	16	Level 3
35	1484	17	Level 3
36	1491	18	Level 3
37	1498	18	Level 3
38	1505	19	Level 3

Table 8.D.9 (continued)

Raw Score	Scale Score	CSEM	Level
39	1513	20	Level 3
40	1522	21	Level 3
41	1532	22	Level 4
42	1542	24	Level 4
43	1554	26	Level 4
44	1569	29	Level 4
45	1586	33	Level 4
46	1609	39	Level 4
47	1639	50	Level 4
48	1686	72	Level 4
49	1771	123	Level 4
50	1900	203	Level 4
51	1900	203	Level 4

Table 8.D.10 Raw-to-Scale-Score Conversion Table for Written, Grade Span Six Through Eight

Raw Score	Scale Score	CSEM	Level
0	1150	214	Level 1
1	1298	60	Level 1
2	1345	41	Level 1
3	1372	33	Level 1
4	1392	28	Level 1
5	1406	25	Level 1
6	1419	22	Level 1
7	1429	20	Level 1
8	1437	19	Level 1
9	1445	18	Level 1
10	1452	17	Level 1
11	1459	17	Level 1
12	1465	16	Level 1
13	1471	16	Level 1
14	1477	16	Level 1
15	1483	16	Level 1
16	1489	16	Level 1
17	1494	15	Level 1
18	1500	15	Level 1
19	1505	15	Level 1
20	1510	15	Level 2
21	1516	15	Level 2
22	1521	16	Level 2
23	1527	16	Level 2
24	1532	16	Level 2
25	1538	16	Level 2
26	1544	16	Level 3
27	1550	17	Level 3
28	1556	17	Level 3
29	1562	17	Level 3
30	1569	18	Level 3
31	1576	18	Level 4
32	1583	19	Level 4
33	1591	20	Level 4
34	1600	21	Level 4
35	1610	22	Level 4
36	1621	24	Level 4
37	1633	27	Level 4
38	1649	30	Level 4

Table 8.D.10 (*continued*)

Raw Score	Scale Score	CSEM	Level
39	1669	36	Level 4
40	1697	45	Level 4
41	1741	64	Level 4
42	1831	115	Level 4
43	1900	161	Level 4

Table 8.D.11 Raw-to-Scale-Score Conversion Table for Oral, Grade Span Nine Through Ten

Raw Score	Scale Score	CSEM	Level
0	1150	90	Level 1
1	1150	90	Level 1
2	1161	85	Level 1
3	1216	64	Level 1
4	1253	52	Level 1
5	1281	42	Level 1
6	1303	35	Level 1
7	1320	31	Level 1
8	1334	27	Level 1
9	1346	24	Level 1
10	1356	22	Level 1
11	1365	21	Level 1
12	1373	19	Level 1
13	1380	18	Level 1
14	1387	17	Level 1
15	1393	17	Level 1
16	1399	16	Level 1
17	1404	16	Level 1
18	1410	15	Level 1
19	1415	15	Level 1
20	1419	15	Level 1
21	1424	15	Level 1
22	1429	14	Level 1
23	1433	14	Level 1
24	1438	14	Level 1
25	1442	14	Level 1
26	1447	14	Level 2
27	1451	14	Level 2
28	1456	15	Level 2
29	1460	15	Level 2
30	1465	15	Level 2
31	1470	15	Level 2
32	1475	16	Level 2
33	1480	16	Level 2
34	1486	17	Level 2
35	1492	17	Level 2
36	1498	18	Level 3
37	1505	19	Level 3
38	1512	20	Level 3

Table 8.D.11 (*continued*)

Raw Score	Scale Score	CSEM	Level
39	1520	21	Level 3
40	1529	22	Level 3
41	1539	24	Level 3
42	1550	26	Level 4
43	1563	29	Level 4
44	1579	33	Level 4
45	1598	37	Level 4
46	1621	43	Level 4
47	1650	51	Level 4
48	1689	63	Level 4
49	1749	87	Level 4
50	1879	169	Level 4
51	1950	229	Level 4

Table 8.D.12 Raw-to-Scale-Score Conversion Table for Written, Grade Span Nine Through Ten

Raw Score	Scale Score	CSEM	Level
0	1150	203	Level 1
1	1290	64	Level 1
2	1338	43	Level 1
3	1366	35	Level 1
4	1386	30	Level 1
5	1402	26	Level 1
6	1414	24	Level 1
7	1425	22	Level 1
8	1434	20	Level 1
9	1443	19	Level 1
10	1450	18	Level 1
11	1457	18	Level 1
12	1464	17	Level 1
13	1470	17	Level 1
14	1476	17	Level 1
15	1483	17	Level 1
16	1489	17	Level 1
17	1495	17	Level 1
18	1500	17	Level 1
19	1506	17	Level 1
20	1512	17	Level 1
21	1518	17	Level 1
22	1524	17	Level 1
23	1530	17	Level 2
24	1537	17	Level 2
25	1543	18	Level 2
26	1549	18	Level 2
27	1556	18	Level 2
28	1562	18	Level 2
29	1569	19	Level 3
30	1577	19	Level 3
31	1584	20	Level 3
32	1592	20	Level 3
33	1601	21	Level 3
34	1610	22	Level 3
35	1619	23	Level 4
36	1630	25	Level 4
37	1643	26	Level 4
38	1657	29	Level 4

Table 8.D.12 (continued)

Raw Score	Scale Score	CSEM	Level
39	1674	32	Level 4
40	1695	38	Level 4
41	1726	48	Level 4
42	1782	75	Level 4
43	1950	239	Level 4

Table 8.D.13 Raw-to-Scale-Score Conversion Table for Oral, Grade Span Eleven Through Twelve

Raw Score	Scale Score	CSEM	Level
0	1150	92	Level 1
1	1150	92	Level 1
2	1150	92	Level 1
3	1205	70	Level 1
4	1245	55	Level 1
5	1275	44	Level 1
6	1297	37	Level 1
7	1315	32	Level 1
8	1330	28	Level 1
9	1342	25	Level 1
10	1353	23	Level 1
11	1362	21	Level 1
12	1370	20	Level 1
13	1378	19	Level 1
14	1384	18	Level 1
15	1391	17	Level 1
16	1397	17	Level 1
17	1402	16	Level 1
18	1408	16	Level 1
19	1413	16	Level 1
20	1418	15	Level 1
21	1423	15	Level 1
22	1428	15	Level 1
23	1432	15	Level 1
24	1437	15	Level 1
25	1442	15	Level 1
26	1446	15	Level 2
27	1451	15	Level 2
28	1456	15	Level 2
29	1460	15	Level 2
30	1465	16	Level 2
31	1470	16	Level 2
32	1476	16	Level 2
33	1481	17	Level 3
34	1487	17	Level 3
35	1493	18	Level 3
36	1499	19	Level 3
37	1506	19	Level 3
38	1514	21	Level 3

Table 8.D.13 (*continued*)

Raw Score	Scale Score	CSEM	Level
39	1522	22	Level 3
40	1532	23	Level 3
41	1542	25	Level 4
42	1554	27	Level 4
43	1567	30	Level 4
44	1583	33	Level 4
45	1602	38	Level 4
46	1625	44	Level 4
47	1654	53	Level 4
48	1695	68	Level 4
49	1757	96	Level 4
50	1870	153	Level 4
51	1950	204	Level 4

Table 8.D.14 Raw-to-Scale-Score Conversion Table for Written, Grade Span Eleven Through Twelve

Raw Score	Scale Score	CSEM	Level
0	1150	186	Level 1
1	1243	91	Level 1
2	1315	52	Level 1
3	1351	40	Level 1
4	1376	33	Level 1
5	1394	29	Level 1
6	1409	26	Level 1
7	1422	24	Level 1
8	1433	22	Level 1
9	1442	21	Level 1
10	1451	20	Level 1
11	1460	20	Level 1
12	1467	19	Level 1
13	1475	19	Level 1
14	1482	18	Level 1
15	1489	18	Level 1
16	1496	18	Level 1
17	1503	18	Level 1
18	1510	18	Level 1
19	1517	18	Level 1
20	1523	18	Level 1
21	1530	18	Level 2
22	1537	18	Level 2
23	1543	18	Level 2
24	1550	18	Level 2
25	1557	19	Level 2
26	1564	19	Level 2
27	1572	19	Level 2
28	1579	20	Level 3
29	1587	20	Level 3
30	1595	21	Level 3
31	1604	21	Level 3
32	1613	22	Level 3
33	1623	23	Level 3
34	1634	25	Level 4
35	1646	26	Level 4
36	1659	28	Level 4
37	1675	31	Level 4
38	1694	35	Level 4

Table 8.D.14 (continued)

Raw Score	Scale Score	CSEM	Level
39	1718	42	Level 4
40	1754	56	Level 4
41	1819	88	Level 4
42	1950	195	Level 4
43	1950	195	Level 4

Appendix 8.E. Interrater Agreement for Writing Items

Table 8.E.1 Interrater Agreement for Writing Items

Grade Level or Grade Span	Item ID	Double Rating Counts	Percent Exact	Percent Adjacent	Percent Discrepant
Kindergarten	VH574038	35,818	97.4	2.3	0.3
Kindergarten	VH574059	35,806	98.0	1.8	0.2
Kindergarten	VH574063	35,794	94.0	5.7	0.3
Kindergarten	VH574079	35,796	95.2	4.5	0.3
Kindergarten	VH590314	35,818	98.3	1.4	0.3
Kindergarten	VH590317	35,788	97.5	2.3	0.3
Kindergarten	VH590320	35,790	92.1	7.5	0.4
Kindergarten	VH590325	35,788	93.5	6.1	0.4
Grade 1	VH575294	29,462	97.5	2.5	0.1
Grade 1	VH575317	29,502	98.8	1.1	0.1
Grade 1	VH575322	29,508	96.4	3.4	0.1
Grade 1	VH575326	29,500	71.0	27.8	1.2
Grade 1	VH581243	29,496	84.6	15.3	0.2
Grade 1	VH581249	29,482	67.4	30.9	1.7
Grade 1	VH581453	29,502	70.3	29.4	0.3
Grade 2	VH573925	25,770	98.6	1.3	0.1
Grade 2	VH573927	25,766	98.0	1.8	0.1
Grade 2	VH573930	25,752	97.0	3.0	0.1
Grade 2	VH573933	25,768	70.7	27.7	1.6
Grade 2	VH581409	25,746	89.3	10.6	0.1
Grade 2	VH581417	25,768	65.7	31.1	3.1
Grade 2	VH581435	25,786	73.8	26.0	0.2
Grade span 3–5	VH573816	62,406	57.0	41.9	1.1
Grade span 3–5	VH576052	62,450	59.0	40.3	0.8
Grade span 3–5	VH581300	62,468	86.3	13.5	0.2
Grade span 3–5	VH581314	62,428	74.0	25.8	0.2
Grade span 3–5	VH631658	62,442	80.6	19.2	0.2
Grade span 3–5	VH631663	62,460	72.4	27.2	0.4
Grade span 6–8	VH574768	40,698	57.2	41.8	1.0
Grade span 6–8	VH575895	40,702	56.3	42.6	1.1
Grade span 6–8	VH575964	40,722	89.5	10.4	0.1
Grade span 6–8	VH575973	40,710	64.6	34.9	0.5
Grade span 6–8	VH582350	40,714	89.5	10.3	0.2
Grade span 6–8	VH582455	40,718	72.1	27.7	0.2

Table 8.E.1 (continued)

Grade Level or Grade Span	Item ID	Double Rating Counts	Percent Exact	Percent Adjacent	Percent Discrepant
Grade span 9–10	VH574232	20,566	59.6	39.5	0.9
Grade span 9–10	VH576280	20,556	58.6	40.3	1.1
Grade span 9–10	VH579215	20,588	88.7	11.2	0.1
Grade span 9–10	VH579227	20,560	69.4	30.1	0.5
Grade span 9–10	VH583487	20,574	88.4	11.4	0.2
Grade span 9–10	VH583496	20,564	75.4	24.4	0.2
Grade span 11–12	VH573892	15,688	57.0	41.8	1.1
Grade span 11–12	VH574580	15,688	85.1	14.8	0.1
Grade span 11–12	VH574583	15,682	66.3	33.1	0.6
Grade span 11–12	VH575258	15,666	58.3	40.8	0.9
Grade span 11–12	VH583504	15,710	89.1	10.6	0.3
Grade span 11–12	VH583507	15,712	76.9	22.9	0.2

Note: Discrepant ratings can occur on one-point items when one rater assigns a condition code as blank.

Appendix 8.F. Classification Consistency and Accuracy

Table 8.F.1 Classification Accuracy at Each Performance Threshold Score, Oral Language Skill

Grade Level or Grade Span	Cut Between Level 1 and Level 2	Cut Between Level 2 and Level 3	Cut Between Level 3 and Level 4
Kindergarten	0.95	0.90	0.89
Grade 1	0.96	0.92	0.89
Grade 2	0.98	0.94	0.88
Grade span 3–5	0.96	0.90	0.89
Grade span 6–8	0.96	0.90	0.87
Grade span 9–10	0.95	0.90	0.90
Grade span 11–12	0.96	0.91	0.89

Table 8.F.2 Classification Accuracy at Each Performance Threshold Score, Written Language Skill

Grade Level or Grade Span	Cut Between Level 1 and Level 2	Cut Between Level 2 and Level 3	Cut Between Level 3 and Level 4
Kindergarten	0.94	0.90	0.91
Grade 1	0.95	0.92	0.91
Grade 2	0.95	0.92	0.90
Grade span 3–5	0.95	0.89	0.91
Grade span 6–8	0.90	0.88	0.91
Grade span 9–10	0.90	0.89	0.92
Grade span 11–12	0.90	0.88	0.95

Table 8.F.3 Classification Consistency at Each Performance Threshold Score, Oral Language Skill

Grade Level or Grade Span	Cut Between Level 1 and Level 2	Cut Between Level 2 and Level 3	Cut Between Level 3 and Level 4
Kindergarten	0.93	0.87	0.85
Grade 1	0.95	0.90	0.85
Grade 2	0.97	0.92	0.84
Grade span 3–5	0.93	0.87	0.85
Grade span 6–8	0.94	0.87	0.83
Grade span 9–10	0.93	0.88	0.87
Grade span 11–12	0.94	0.88	0.86

Table 8.F.4 Classification Consistency at Each Performance Threshold Score

Grade Level or Grade Span	Cut Between Level 1 and Level 2	Cut Between Level 2 and Level 3	Cut Between Level 3 and Level 4
Kindergarten	0.92	0.86	0.87
Grade 1	0.92	0.89	0.88
Grade 2	0.93	0.89	0.87
Grade span 3–5	0.90	0.85	0.88
Grade span 6–8	0.86	0.83	0.87
Grade span 9–10	0.87	0.85	0.89
Grade span 11–12	0.86	0.84	0.92