

**TAKS–M**  
**2009 Mean P-Values and**  
**Internal Consistency Values**  
**By Objective and Subject Area**

### Grade 03 TAKS-M (Spring 2009) Total Group

<b>Subject</b>	<b>Test Objective</b>	<b>K<sup>1</sup></b>	<b>N</b>	<b>Mean</b>	<b>SD</b>	<b>Alpha<sup>2</sup></b>	<b>SEM</b>	<b>Mean<sup>3</sup> P-Value</b>
Reading	COMPLETE SUBTEST	30	011339	19.794	5.503	0.823	2.315	65.980
	Basic Understanding	13	011339	8.097	2.715	0.670	1.560	62.284
	Applying Knowledge of Literary Elements	06	011339	4.611	1.343	0.519	0.931	76.850
	Using Strategies to Analyze	05	011339	3.161	1.195	0.351	0.963	63.220
	Applying Critical-Thinking Skills	06	011339	3.925	1.492	0.492	1.063	65.416
Mathematics	COMPLETE SUBTEST	32	010893	20.739	5.890	0.836	2.385	64.809
	Numbers, Operations, and Quantitative Reasoning	08	010893	5.335	1.843	0.589	1.182	66.687
	Patterns, Relationships, and Algebraic Reasoning	05	010893	3.502	1.298	0.500	0.918	70.040
	Geometry and Spatial Reasoning	05	010893	3.682	1.126	0.396	0.875	73.640
	Concepts and Uses of Measurement	05	010893	3.633	1.283	0.516	0.893	72.660
	Probability and Statistics	03	010893	1.672	0.961	0.357	0.771	55.733
	Mathematical Processes and Tools	06	010893	2.915	1.447	0.393	1.127	48.583

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

### Grade 03 TAKS-M (Spring 2009) Female Only

<b>Subject</b>	<b>Test Objective</b>	<b>K<sup>1</sup></b>	<b>N</b>	<b>Mean</b>	<b>SD</b>	<b>Alpha<sup>2</sup></b>	<b>SEM</b>	<b>Mean<sup>3</sup> P-Value</b>
Reading	COMPLETE SUBTEST	30	003570	19.965	5.544	0.829	2.293	66.550
	Basic Understanding	13	003570	8.199	2.729	0.676	1.553	63.069
	Applying Knowledge of Literary Elements	06	003570	4.669	1.327	0.525	0.915	77.816
	Using Strategies to Analyze	05	003570	3.159	1.190	0.354	0.956	63.180
	Applying Critical-Thinking Skills	06	003570	3.939	1.514	0.514	1.055	65.650
Mathematics	COMPLETE SUBTEST	32	003743	20.637	5.839	0.833	2.386	64.490
	Numbers, Operations, and Quantitative Reasoning	08	003743	5.313	1.819	0.580	1.179	66.412
	Patterns, Relationships, and Algebraic Reasoning	05	003743	3.495	1.293	0.489	0.924	69.900
	Geometry and Spatial Reasoning	05	003743	3.668	1.110	0.379	0.875	73.360
	Concepts and Uses of Measurement	05	003743	3.583	1.301	0.519	0.902	71.660
	Probability and Statistics	03	003743	1.704	0.955	0.355	0.767	56.800
	Mathematical Processes and Tools	06	003743	2.875	1.415	0.359	1.133	47.916

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

### Grade 03 TAKS-M (Spring 2009) Male Only

<b>Subject</b>	<b>Test Objective</b>	<b>K<sup>1</sup></b>	<b>N</b>	<b>Mean</b>	<b>SD</b>	<b>Alpha<sup>2</sup></b>	<b>SEM</b>	<b>Mean<sup>3</sup> P-Value</b>
Reading	COMPLETE SUBTEST	30	007767	19.715	5.483	0.821	2.320	65.716
	Basic Understanding	13	007767	8.050	2.708	0.667	1.563	61.923
	Applying Knowledge of Literary Elements	06	007767	4.583	1.350	0.516	0.939	76.383
	Using Strategies to Analyze	05	007767	3.163	1.197	0.349	0.966	63.260
	Applying Critical-Thinking Skills	06	007767	3.919	1.482	0.481	1.068	65.316
Mathematics	COMPLETE SUBTEST	32	007141	20.795	5.914	0.838	2.380	64.984
	Numbers, Operations, and Quantitative Reasoning	08	007141	5.347	1.854	0.595	1.180	66.837
	Patterns, Relationships, and Algebraic Reasoning	05	007141	3.506	1.301	0.506	0.914	70.120
	Geometry and Spatial Reasoning	05	007141	3.690	1.134	0.405	0.875	73.800
	Concepts and Uses of Measurement	05	007141	3.659	1.272	0.514	0.887	73.180
	Probability and Statistics	03	007141	1.656	0.964	0.359	0.772	55.200
	Mathematical Processes and Tools	06	007141	2.937	1.464	0.410	1.125	48.950

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2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

**Grade 03 TAKS-M (Spring 2009) African American Only**

<b>Subject</b>	<b>Test Objective</b>	<b>K<sup>1</sup></b>	<b>N</b>	<b>Mean</b>	<b>SD</b>	<b>Alpha<sup>2</sup></b>	<b>SEM</b>	<b>Mean<sup>3</sup> P-Value</b>
Reading	COMPLETE SUBTEST	30	002381	19.764	5.550	0.826	2.315	65.880
	Basic Understanding	13	002381	8.146	2.722	0.673	1.557	62.661
	Applying Knowledge of Literary Elements	06	002381	4.567	1.349	0.507	0.947	76.116
	Using Strategies to Analyze	05	002381	3.146	1.196	0.345	0.968	62.920
	Applying Critical-Thinking Skills	06	002381	3.906	1.498	0.496	1.063	65.100
Mathematics	COMPLETE SUBTEST	32	002415	20.291	5.875	0.830	2.422	63.409
	Numbers, Operations, and Quantitative Reasoning	08	002415	5.244	1.843	0.581	1.193	65.550
	Patterns, Relationships, and Algebraic Reasoning	05	002415	3.427	1.306	0.486	0.936	68.540
	Geometry and Spatial Reasoning	05	002415	3.584	1.136	0.372	0.900	71.680
	Concepts and Uses of Measurement	05	002415	3.485	1.294	0.478	0.935	69.700
	Probability and Statistics	03	002415	1.628	0.965	0.350	0.778	54.266
	Mathematical Processes and Tools	06	002415	2.923	1.428	0.372	1.132	48.716

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3 Multiple-choice and gridded items only

### Grade 03 TAKS-M (Spring 2009) Asian Only

<b>Subject</b>	<b>Test Objective</b>	<b>K<sup>1</sup></b>	<b>N</b>	<b>Mean</b>	<b>SD</b>	<b>Alpha<sup>2</sup></b>	<b>SEM</b>	<b>Mean<sup>3</sup> P-Value</b>
Reading	COMPLETE SUBTEST	30	000146	19.062	5.408	0.810	2.357	63.540
	Basic Understanding	13	000146	7.836	2.724	0.657	1.595	60.276
	Applying Knowledge of Literary Elements	06	000146	4.322	1.302	0.430	0.983	72.033
	Using Strategies to Analyze	05	000146	3.164	1.133	0.277	0.963	63.280
	Applying Critical-Thinking Skills	06	000146	3.740	1.463	0.444	1.091	62.333
Mathematics	COMPLETE SUBTEST	32	000135	21.422	5.763	0.836	2.334	66.943
	Numbers, Operations, and Quantitative Reasoning	08	000135	5.407	1.822	0.600	1.152	67.587
	Patterns, Relationships, and Algebraic Reasoning	05	000135	3.637	1.279	0.531	0.876	72.740
	Geometry and Spatial Reasoning	05	000135	3.793	1.073	0.361	0.858	75.860
	Concepts and Uses of Measurement	05	000135	3.748	1.189	0.451	0.881	74.960
	Probability and Statistics	03	000135	1.815	0.979	0.434	0.737	60.500
	Mathematical Processes and Tools	06	000135	3.022	1.358	0.291	1.143	50.366

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3 Multiple-choice and gridded items only

### Grade 03 TAKS-M (Spring 2009) Hispanic Only

<b>Subject</b>	<b>Test Objective</b>	<b>K<sup>1</sup></b>	<b>N</b>	<b>Mean</b>	<b>SD</b>	<b>Alpha<sup>2</sup></b>	<b>SEM</b>	<b>Mean<sup>3</sup> P-Value</b>
Reading	COMPLETE SUBTEST	30	005524	19.316	5.527	0.821	2.338	64.386
	Basic Understanding	13	005524	7.835	2.731	0.664	1.583	60.269
	Applying Knowledge of Literary Elements	06	005524	4.551	1.361	0.522	0.941	75.850
	Using Strategies to Analyze	05	005524	3.079	1.210	0.360	0.968	61.580
	Applying Critical-Thinking Skills	06	005524	3.851	1.499	0.489	1.072	64.183
Mathematics	COMPLETE SUBTEST	32	005265	20.784	5.830	0.835	2.368	64.950
	Numbers, Operations, and Quantitative Reasoning	08	005265	5.352	1.843	0.597	1.170	66.900
	Patterns, Relationships, and Algebraic Reasoning	05	005265	3.554	1.276	0.493	0.909	71.080
	Geometry and Spatial Reasoning	05	005265	3.685	1.125	0.405	0.868	73.700
	Concepts and Uses of Measurement	05	005265	3.692	1.274	0.530	0.873	73.840
	Probability and Statistics	03	005265	1.658	0.952	0.338	0.775	55.266
	Mathematical Processes and Tools	06	005265	2.843	1.430	0.374	1.131	47.383

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3 Multiple-choice and gridded items only

### Grade 03 TAKS-M (Spring 2009) Native American Only

<b>Subject</b>	<b>Test Objective</b>	<b>K<sup>1</sup></b>	<b>N</b>	<b>Mean</b>	<b>SD</b>	<b>Alpha<sup>2</sup></b>	<b>SEM</b>	<b>Mean<sup>3</sup> P-Value</b>
Reading	COMPLETE SUBTEST	30	000040	20.750	4.465	0.738	2.285	69.166
	Basic Understanding	13	000040	8.550	2.320	0.565	1.530	65.769
	Applying Knowledge of Literary Elements	06	000040	4.800	1.181	0.434	0.889	80.000
	Using Strategies to Analyze	05	000040	3.225	1.025	0.025	1.012	64.500
	Applying Critical-Thinking Skills	06	000040	4.175	1.259	0.270	1.076	69.583
Mathematics	COMPLETE SUBTEST	32	000040	21.475	5.909	0.852	2.273	67.109
	Numbers, Operations, and Quantitative Reasoning	08	000040	5.400	1.707	0.521	1.181	67.500
	Patterns, Relationships, and Algebraic Reasoning	05	000040	3.550	1.377	0.620	0.849	71.000
	Geometry and Spatial Reasoning	05	000040	3.900	0.982	0.266	0.841	78.000
	Concepts and Uses of Measurement	05	000040	3.925	1.118	0.444	0.834	78.500
	Probability and Statistics	03	000040	1.825	0.873	0.169	0.796	60.833
	Mathematical Processes and Tools	06	000040	2.875	1.436	0.437	1.077	47.916

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

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3 Multiple-choice and gridded items only



### Grade 03 TAKS-M (Spring 2009) White Only

<b>Subject</b>	<b>Test Objective</b>	<b>K<sup>1</sup></b>	<b>N</b>	<b>Mean</b>	<b>SD</b>	<b>Alpha<sup>2</sup></b>	<b>SEM</b>	<b>Mean<sup>3</sup> P-Value</b>
Reading	COMPLETE SUBTEST	30	003244	20.655	5.335	0.822	2.251	68.850
	Basic Understanding	13	003244	8.514	2.631	0.668	1.516	65.492
	Applying Knowledge of Literary Elements	06	003244	4.756	1.298	0.522	0.897	79.266
	Using Strategies to Analyze	05	003244	3.313	1.158	0.335	0.944	66.260
	Applying Critical-Thinking Skills	06	003244	4.072	1.467	0.494	1.044	67.866
Mathematics	COMPLETE SUBTEST	32	003022	20.989	5.976	0.842	2.375	65.590
	Numbers, Operations, and Quantitative Reasoning	08	003022	5.377	1.838	0.588	1.180	67.212
	Patterns, Relationships, and Algebraic Reasoning	05	003022	3.467	1.326	0.515	0.923	69.340
	Geometry and Spatial Reasoning	05	003022	3.748	1.118	0.401	0.865	74.960
	Concepts and Uses of Measurement	05	003022	3.640	1.285	0.520	0.890	72.800
	Probability and Statistics	03	003022	1.724	0.971	0.402	0.751	57.466
	Mathematical Processes and Tools	06	003022	3.033	1.487	0.438	1.115	50.550

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

### Grade 04 TAKS-M (Spring 2009) Total Group

<b>Subject</b>	<b>Test Objective</b>	<b>K<sup>1</sup></b>	<b>N</b>	<b>Mean</b>	<b>SD</b>	<b>Alpha<sup>2</sup></b>	<b>SEM</b>	<b>Mean<sup>3</sup> P-Value</b>
Reading	COMPLETE SUBTEST	32	013206	19.446	6.240	0.836	2.527	60.768
	Basic Understanding	12	013206	7.613	2.634	0.671	1.511	63.441
	Applying Knowledge of Literary Elements	06	013206	3.544	1.510	0.464	1.106	59.066
	Using Strategies to Analyze	06	013206	3.319	1.525	0.446	1.135	55.316
	Applying Critical-Thinking Skills	08	013206	4.970	1.947	0.585	1.254	62.125
Mathematics	COMPLETE SUBTEST	34	012662	19.991	6.224	0.822	2.626	58.797
	Numbers, Operations, and Quantitative Reasoning	09	012662	5.764	2.066	0.610	1.290	64.044
	Patterns, Relationships, and Algebraic Reasoning	06	012662	3.583	1.635	0.569	1.073	59.716
	Geometry and Spatial Reasoning	05	012662	3.065	1.308	0.393	1.019	61.300
	Concepts and Uses of Measurement	05	012662	2.801	1.237	0.343	1.003	56.020
	Probability and Statistics	03	012662	1.415	0.977	0.339	0.794	47.166
	Mathematical Processes and Tools	06	012662	3.363	1.435	0.366	1.143	56.050
Writing	COMPLETE SUBTEST	33	014447	16.923	5.798	0.869	2.099	64.883
	Appropriate Organization of Ideas	03	014447	2.109	0.960	0.494	0.683	70.300
	Correct and Effective Sentence Construction	07	014447	4.149	1.961	0.658	1.147	59.271
	Standard Usage and Appropriate Word Choice	07	014447	4.442	1.865	0.635	1.127	63.457
	Proofreading for Punctuation, Capitalization, and Spelling	07	014447	4.872	1.817	0.659	1.061	69.600

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

### Grade 04 TAKS-M (Spring 2009) Female Only

<b>Subject</b>	<b>Test Objective</b>	<b>K<sup>1</sup></b>	<b>N</b>	<b>Mean</b>	<b>SD</b>	<b>Alpha<sup>2</sup></b>	<b>SEM</b>	<b>Mean<sup>3</sup> P-Value</b>
Reading	COMPLETE SUBTEST	32	004348	19.713	6.086	0.829	2.517	61.603
	Basic Understanding	12	004348	7.722	2.529	0.645	1.507	64.350
	Applying Knowledge of Literary Elements	06	004348	3.685	1.496	0.468	1.091	61.416
	Using Strategies to Analyze	06	004348	3.365	1.497	0.422	1.138	56.083
	Applying Critical-Thinking Skills	08	004348	4.941	1.928	0.570	1.264	61.762
Mathematics	COMPLETE SUBTEST	34	004519	19.931	6.027	0.810	2.627	58.620
	Numbers, Operations, and Quantitative Reasoning	09	004519	5.718	2.039	0.598	1.293	63.533
	Patterns, Relationships, and Algebraic Reasoning	06	004519	3.585	1.606	0.552	1.075	59.750
	Geometry and Spatial Reasoning	05	004519	3.096	1.318	0.408	1.014	61.920
	Concepts and Uses of Measurement	05	004519	2.772	1.217	0.307	1.013	55.440
	Probability and Statistics	03	004519	1.380	0.963	0.307	0.802	46.000
	Mathematical Processes and Tools	06	004519	3.380	1.375	0.301	1.150	56.333
	Writing	COMPLETE SUBTEST	33	004587	17.607	5.592	0.862	2.077
Appropriate Organization of Ideas	03	004587	2.189	0.939	0.509	0.658	72.966	
Correct and Effective Sentence Construction	07	004587	4.336	1.927	0.653	1.135	61.942	
Standard Usage and Appropriate Word Choice	07	004587	4.541	1.810	0.614	1.125	64.871	
	Proofreading for Punctuation, Capitalization, and Spelling	07	004587	5.070	1.731	0.644	1.033	72.428

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3 Multiple-choice and gridded items only

### Grade 04 TAKS-M (Spring 2009) Male Only

<b>Subject</b>	<b>Test Objective</b>	<b>K<sup>1</sup></b>	<b>N</b>	<b>Mean</b>	<b>SD</b>	<b>Alpha<sup>2</sup></b>	<b>SEM</b>	<b>Mean<sup>3</sup> P-Value</b>
Reading	COMPLETE SUBTEST	32	008839	19.313	6.310	0.840	2.524	60.353
	Basic Understanding	12	008839	7.558	2.682	0.682	1.512	62.983
	Applying Knowledge of Literary Elements	06	008839	3.475	1.512	0.458	1.113	57.916
	Using Strategies to Analyze	06	008839	3.296	1.539	0.457	1.134	54.933
	Applying Critical-Thinking Skills	08	008839	4.985	1.956	0.592	1.249	62.312
Mathematics	COMPLETE SUBTEST	34	008121	20.024	6.330	0.829	2.618	58.894
	Numbers, Operations, and Quantitative Reasoning	09	008121	5.789	2.081	0.617	1.288	64.322
	Patterns, Relationships, and Algebraic Reasoning	06	008121	3.581	1.651	0.579	1.071	59.683
	Geometry and Spatial Reasoning	05	008121	3.048	1.303	0.384	1.023	60.960
	Concepts and Uses of Measurement	05	008121	2.817	1.248	0.362	0.997	56.340
	Probability and Statistics	03	008121	1.434	0.984	0.355	0.790	47.800
	Mathematical Processes and Tools	06	008121	3.354	1.466	0.398	1.137	55.900
Writing	COMPLETE SUBTEST	33	009848	16.604	5.867	0.870	2.115	63.787
	Appropriate Organization of Ideas	03	009848	2.071	0.967	0.483	0.695	69.033
	Correct and Effective Sentence Construction	07	009848	4.061	1.971	0.658	1.153	58.014
	Standard Usage and Appropriate Word Choice	07	009848	4.396	1.890	0.643	1.129	62.800
	Proofreading for Punctuation, Capitalization, and Spelling	07	009848	4.780	1.847	0.663	1.072	68.285

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3 Multiple-choice and gridded items only

**Grade 04 TAKS-M (Spring 2009) African American Only**

<b>Subject</b>	<b>Test Objective</b>	<b>K<sup>1</sup></b>	<b>N</b>	<b>Mean</b>	<b>SD</b>	<b>Alpha<sup>2</sup></b>	<b>SEM</b>	<b>Mean<sup>3</sup> P-Value</b>
Reading	COMPLETE SUBTEST	32	002993	19.338	6.238	0.836	2.526	60.431
	Basic Understanding	12	002993	7.607	2.589	0.658	1.514	63.391
	Applying Knowledge of Literary Elements	06	002993	3.577	1.522	0.475	1.103	59.616
	Using Strategies to Analyze	06	002993	3.210	1.522	0.436	1.143	53.500
	Applying Critical-Thinking Skills	08	002993	4.945	1.986	0.605	1.248	61.812
Mathematics	COMPLETE SUBTEST	34	003001	19.191	6.113	0.811	2.658	56.444
	Numbers, Operations, and Quantitative Reasoning	09	003001	5.535	2.053	0.587	1.319	61.500
	Patterns, Relationships, and Algebraic Reasoning	06	003001	3.445	1.629	0.555	1.087	57.416
	Geometry and Spatial Reasoning	05	003001	2.893	1.299	0.359	1.040	57.860
	Concepts and Uses of Measurement	05	003001	2.655	1.233	0.322	1.015	53.100
	Probability and Statistics	03	003001	1.349	0.959	0.299	0.803	44.966
	Mathematical Processes and Tools	06	003001	3.315	1.400	0.321	1.154	55.250
Writing	COMPLETE SUBTEST	33	003108	16.540	5.716	0.861	2.131	63.487
	Appropriate Organization of Ideas	03	003108	2.054	0.973	0.489	0.696	68.466
	Correct and Effective Sentence Construction	07	003108	4.063	1.966	0.656	1.153	58.042
	Standard Usage and Appropriate Word Choice	07	003108	4.379	1.858	0.627	1.135	62.557
	Proofreading for Punctuation, Capitalization, and Spelling	07	003108	4.740	1.823	0.643	1.089	67.714

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3 Multiple-choice and gridded items only

### Grade 04 TAKS-M (Spring 2009) Asian Only

<b>Subject</b>	<b>Test Objective</b>	<b>K<sup>1</sup></b>	<b>N</b>	<b>Mean</b>	<b>SD</b>	<b>Alpha<sup>2</sup></b>	<b>SEM</b>	<b>Mean<sup>3</sup> P-Value</b>
Reading	COMPLETE SUBTEST	32	000165	18.988	6.253	0.837	2.525	59.337
	Basic Understanding	12	000165	7.327	2.750	0.704	1.496	61.058
	Applying Knowledge of Literary Elements	06	000165	3.527	1.508	0.472	1.096	58.783
	Using Strategies to Analyze	06	000165	3.303	1.394	0.291	1.174	55.050
	Applying Critical-Thinking Skills	08	000165	4.830	2.071	0.646	1.232	60.375
Mathematics	COMPLETE SUBTEST	34	000145	21.641	6.501	0.849	2.526	63.650
	Numbers, Operations, and Quantitative Reasoning	09	000145	6.193	2.001	0.607	1.254	68.811
	Patterns, Relationships, and Algebraic Reasoning	06	000145	4.124	1.615	0.628	0.985	68.733
	Geometry and Spatial Reasoning	05	000145	3.331	1.291	0.419	0.984	66.620
	Concepts and Uses of Measurement	05	000145	3.000	1.339	0.465	0.979	60.000
	Probability and Statistics	03	000145	1.483	0.951	0.296	0.798	49.433
	Mathematical Processes and Tools	06	000145	3.510	1.458	0.418	1.112	58.500
Writing	COMPLETE SUBTEST	33	000171	18.129	5.554	0.868	2.018	69.637
	Appropriate Organization of Ideas	03	000171	2.111	0.954	0.484	0.685	70.366
	Correct and Effective Sentence Construction	07	000171	4.409	1.939	0.668	1.117	62.985
	Standard Usage and Appropriate Word Choice	07	000171	4.789	1.829	0.656	1.073	68.414
	Proofreading for Punctuation, Capitalization, and Spelling	07	000171	5.404	1.611	0.629	0.981	77.200

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

**Grade 04 TAKS-M (Spring 2009) Hispanic Only**

<b>Subject</b>	<b>Test Objective</b>	<b>K<sup>1</sup></b>	<b>N</b>	<b>Mean</b>	<b>SD</b>	<b>Alpha<sup>2</sup></b>	<b>SEM</b>	<b>Mean<sup>3</sup> P-Value</b>
Reading	COMPLETE SUBTEST	32	006449	18.860	6.169	0.829	2.551	58.937
	Basic Understanding	12	006449	7.344	2.627	0.659	1.534	61.200
	Applying Knowledge of Literary Elements	06	006449	3.449	1.505	0.452	1.114	57.483
	Using Strategies to Analyze	06	006449	3.252	1.509	0.425	1.144	54.200
	Applying Critical-Thinking Skills	08	006449	4.815	1.935	0.566	1.275	60.187
Mathematics	COMPLETE SUBTEST	34	006032	20.130	6.226	0.824	2.612	59.205
	Numbers, Operations, and Quantitative Reasoning	09	006032	5.856	2.063	0.618	1.275	65.066
	Patterns, Relationships, and Algebraic Reasoning	06	006032	3.620	1.635	0.574	1.067	60.333
	Geometry and Spatial Reasoning	05	006032	3.103	1.308	0.397	1.016	62.060
	Concepts and Uses of Measurement	05	006032	2.837	1.228	0.336	1.001	56.740
	Probability and Statistics	03	006032	1.396	0.979	0.343	0.794	46.533
	Mathematical Processes and Tools	06	006032	3.318	1.444	0.374	1.142	55.300
Writing	COMPLETE SUBTEST	33	006876	16.472	5.710	0.860	2.136	63.016
	Appropriate Organization of Ideas	03	006876	2.063	0.967	0.479	0.698	68.766
	Correct and Effective Sentence Construction	07	006876	4.033	1.941	0.641	1.163	57.614
	Standard Usage and Appropriate Word Choice	07	006876	4.270	1.823	0.595	1.160	61.000
	Proofreading for Punctuation, Capitalization, and Spelling	07	006876	4.758	1.803	0.639	1.083	67.971

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

### Grade 04 TAKS-M (Spring 2009) Native American Only

<b>Subject</b>	<b>Test Objective</b>	<b>K<sup>1</sup></b>	<b>N</b>	<b>Mean</b>	<b>SD</b>	<b>Alpha<sup>2</sup></b>	<b>SEM</b>	<b>Mean<sup>3</sup> P-Value</b>
Reading	COMPLETE SUBTEST	32	000057	20.561	5.961	0.833	2.436	64.253
	Basic Understanding	12	000057	8.070	2.329	0.595	1.482	67.250
	Applying Knowledge of Literary Elements	06	000057	3.772	1.547	0.548	1.040	62.866
	Using Strategies to Analyze	06	000057	3.667	1.443	0.413	1.106	61.116
	Applying Critical-Thinking Skills	08	000057	5.053	1.807	0.542	1.223	63.162
Mathematics	COMPLETE SUBTEST	34	000057	20.474	5.976	0.816	2.563	60.217
	Numbers, Operations, and Quantitative Reasoning	09	000057	5.965	2.087	0.667	1.204	66.277
	Patterns, Relationships, and Algebraic Reasoning	06	000057	3.491	1.702	0.627	1.039	58.183
	Geometry and Spatial Reasoning	05	000057	3.228	1.254	0.362	1.002	64.560
	Concepts and Uses of Measurement	05	000057	2.860	1.202	0.346	0.972	57.200
	Probability and Statistics	03	000057	1.456	0.965	0.309	0.802	48.533
	Mathematical Processes and Tools	06	000057	3.474	1.351	0.297	1.133	57.900
Writing	COMPLETE SUBTEST	33	000059	16.203	5.155	0.822	2.175	62.075
	Appropriate Organization of Ideas	03	000059	2.119	0.930	0.461	0.683	70.633
	Correct and Effective Sentence Construction	07	000059	3.983	1.871	0.598	1.186	56.900
	Standard Usage and Appropriate Word Choice	07	000059	4.322	1.795	0.601	1.134	61.742
	Proofreading for Punctuation, Capitalization, and Spelling	07	000059	4.475	1.906	0.677	1.083	63.928

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only



### Grade 04 TAKS-M (Spring 2009) White Only

<b>Subject</b>	<b>Test Objective</b>	<b>K<sup>1</sup></b>	<b>N</b>	<b>Mean</b>	<b>SD</b>	<b>Alpha<sup>2</sup></b>	<b>SEM</b>	<b>Mean<sup>3</sup> P-Value</b>
Reading	COMPLETE SUBTEST	32	003522	20.612	6.215	0.843	2.463	64.412
	Basic Understanding	12	003522	8.115	2.611	0.686	1.463	67.625
	Applying Knowledge of Literary Elements	06	003522	3.689	1.496	0.467	1.092	61.483
	Using Strategies to Analyze	06	003522	3.528	1.547	0.484	1.111	58.800
	Applying Critical-Thinking Skills	08	003522	5.281	1.893	0.584	1.221	66.012
Mathematics	COMPLETE SUBTEST	34	003405	20.373	6.229	0.824	2.613	59.920
	Numbers, Operations, and Quantitative Reasoning	09	003405	5.784	2.067	0.609	1.292	64.266
	Patterns, Relationships, and Algebraic Reasoning	06	003405	3.616	1.629	0.566	1.073	60.266
	Geometry and Spatial Reasoning	05	003405	3.135	1.305	0.401	1.010	62.700
	Concepts and Uses of Measurement	05	003405	2.858	1.241	0.362	0.991	57.160
	Probability and Statistics	03	003405	1.502	0.984	0.359	0.788	50.066
	Mathematical Processes and Tools	06	003405	3.477	1.441	0.383	1.132	57.950
Writing	COMPLETE SUBTEST	33	004221	17.898	5.899	0.884	2.009	68.787
	Appropriate Organization of Ideas	03	004221	2.223	0.928	0.513	0.648	74.100
	Correct and Effective Sentence Construction	07	004221	4.393	1.970	0.679	1.116	62.757
	Standard Usage and Appropriate Word Choice	07	004221	4.755	1.902	0.686	1.066	67.928
	Proofreading for Punctuation, Capitalization, and Spelling	07	004221	5.138	1.809	0.694	1.001	73.400

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

### Grade 05 TAKS-M (Spring 2009) Total Group

<b>Subject</b>	<b>Test Objective</b>	<b>K<sup>1</sup></b>	<b>N</b>	<b>Mean</b>	<b>SD</b>	<b>Alpha<sup>2</sup></b>	<b>SEM</b>	<b>Mean<sup>3</sup> P-Value</b>
Reading	COMPLETE SUBTEST	34	015087	23.516	6.503	0.865	2.389	69.164
	Basic Understanding	11	015087	7.357	2.387	0.655	1.402	66.881
	Applying Knowledge of Literary Elements	06	015087	4.528	1.444	0.606	0.906	75.466
	Using Strategies to Analyze	06	015087	4.469	1.429	0.542	0.967	74.483
	Applying Critical-Thinking Skills	11	015087	7.162	2.379	0.649	1.409	65.109
Mathematics	COMPLETE SUBTEST	35	015126	21.588	6.643	0.851	2.564	61.680
	Numbers, Operations, and Quantitative Reasoning	09	015126	5.465	2.029	0.595	1.291	60.722
	Patterns, Relationships, and Algebraic Reasoning	06	015126	3.557	1.614	0.544	1.090	59.283
	Geometry and Spatial Reasoning	06	015126	3.869	1.349	0.408	1.038	64.483
	Concepts and Uses of Measurement	06	015126	3.654	1.600	0.569	1.050	60.900
	Probability and Statistics	03	015126	1.922	0.888	0.249	0.770	64.066
Science	Mathematical Processes and Tools	05	015126	3.121	1.318	0.470	0.960	62.420
	COMPLETE SUBTEST	32	016827	22.453	5.519	0.819	2.348	70.165
	Nature of Science	11	016827	7.922	2.149	0.604	1.352	72.018
	Life Sciences	07	016827	4.991	1.630	0.549	1.095	71.300
	Physical Sciences	07	016827	5.148	1.480	0.519	1.026	73.542
	Earth Sciences	07	016827	4.392	1.612	0.458	1.187	62.742

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

### Grade 05 TAKS-M (Spring 2009) Female Only

<b>Subject</b>	<b>Test Objective</b>	<b>K<sup>1</sup></b>	<b>N</b>	<b>Mean</b>	<b>SD</b>	<b>Alpha<sup>2</sup></b>	<b>SEM</b>	<b>Mean<sup>3</sup> P-Value</b>
Reading	COMPLETE SUBTEST	34	005048	24.298	6.307	0.864	2.326	71.464
	Basic Understanding	11	005048	7.590	2.343	0.656	1.374	69.000
	Applying Knowledge of Literary Elements	06	005048	4.680	1.375	0.595	0.875	78.000
	Using Strategies to Analyze	06	005048	4.639	1.359	0.530	0.932	77.316
	Applying Critical-Thinking Skills	11	005048	7.390	2.338	0.650	1.383	67.181
Mathematics	COMPLETE SUBTEST	35	005499	21.704	6.514	0.845	2.565	62.011
	Numbers, Operations, and Quantitative Reasoning	09	005499	5.546	2.049	0.607	1.285	61.622
	Patterns, Relationships, and Algebraic Reasoning	06	005499	3.540	1.581	0.516	1.100	59.000
	Geometry and Spatial Reasoning	06	005499	3.932	1.308	0.387	1.024	65.533
	Concepts and Uses of Measurement	06	005499	3.598	1.579	0.543	1.067	59.966
	Probability and Statistics	03	005499	1.994	0.872	0.243	0.759	66.466
	Mathematical Processes and Tools	05	005499	3.093	1.310	0.462	0.961	61.860
Science	COMPLETE SUBTEST	32	005987	21.968	5.379	0.804	2.381	68.650
	Nature of Science	11	005987	7.756	2.128	0.583	1.374	70.509
	Life Sciences	07	005987	4.913	1.597	0.516	1.111	70.185
	Physical Sciences	07	005987	5.060	1.477	0.496	1.049	72.285
	Earth Sciences	07	005987	4.239	1.586	0.423	1.205	60.557

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

### Grade 05 TAKS-M (Spring 2009) Male Only

<b>Subject</b>	<b>Test Objective</b>	<b>K<sup>1</sup></b>	<b>N</b>	<b>Mean</b>	<b>SD</b>	<b>Alpha<sup>2</sup></b>	<b>SEM</b>	<b>Mean<sup>3</sup> P-Value</b>
Reading	COMPLETE SUBTEST	34	010031	23.119	6.565	0.865	2.412	67.997
	Basic Understanding	11	010031	7.239	2.401	0.653	1.414	65.809
	Applying Knowledge of Literary Elements	06	010031	4.451	1.472	0.607	0.923	74.183
	Using Strategies to Analyze	06	010031	4.383	1.455	0.541	0.986	73.050
	Applying Critical-Thinking Skills	11	010031	7.046	2.391	0.646	1.423	64.054
Mathematics	COMPLETE SUBTEST	35	009617	21.522	6.716	0.854	2.566	61.491
	Numbers, Operations, and Quantitative Reasoning	09	009617	5.419	2.016	0.587	1.296	60.211
	Patterns, Relationships, and Algebraic Reasoning	06	009617	3.566	1.633	0.560	1.083	59.433
	Geometry and Spatial Reasoning	06	009617	3.834	1.371	0.420	1.044	63.900
	Concepts and Uses of Measurement	06	009617	3.685	1.611	0.584	1.039	61.416
	Probability and Statistics	03	009617	1.881	0.895	0.249	0.776	62.700
	Mathematical Processes and Tools	05	009617	3.137	1.322	0.475	0.958	62.740
Science	COMPLETE SUBTEST	32	010827	22.721	5.577	0.827	2.320	71.003
	Nature of Science	11	010827	8.013	2.155	0.614	1.339	72.845
	Life Sciences	07	010827	5.035	1.647	0.566	1.085	71.928
	Physical Sciences	07	010827	5.197	1.479	0.531	1.013	74.242
	Earth Sciences	07	010827	4.477	1.620	0.474	1.175	63.957

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

**Grade 05 TAKS-M (Spring 2009) African American Only**

<b>Subject</b>	<b>Test Objective</b>	<b>K<sup>1</sup></b>	<b>N</b>	<b>Mean</b>	<b>SD</b>	<b>Alpha<sup>2</sup></b>	<b>SEM</b>	<b>Mean<sup>3</sup> P-Value</b>
Reading	COMPLETE SUBTEST	34	003429	23.500	6.718	0.874	2.385	69.117
	Basic Understanding	11	003429	7.363	2.457	0.677	1.396	66.936
	Applying Knowledge of Literary Elements	06	003429	4.495	1.496	0.631	0.909	74.916
	Using Strategies to Analyze	06	003429	4.484	1.438	0.553	0.961	74.733
	Applying Critical-Thinking Skills	11	003429	7.159	2.432	0.664	1.410	65.081
Mathematics	COMPLETE SUBTEST	35	003588	20.804	6.576	0.843	2.606	59.440
	Numbers, Operations, and Quantitative Reasoning	09	003588	5.295	2.027	0.583	1.309	58.833
	Patterns, Relationships, and Algebraic Reasoning	06	003588	3.447	1.622	0.545	1.094	57.450
	Geometry and Spatial Reasoning	06	003588	3.731	1.358	0.393	1.058	62.183
	Concepts and Uses of Measurement	06	003588	3.483	1.590	0.547	1.070	58.050
	Probability and Statistics	03	003588	1.866	0.894	0.229	0.785	62.200
	Mathematical Processes and Tools	05	003588	2.982	1.327	0.464	0.972	59.640
Science	COMPLETE SUBTEST	32	003807	21.772	5.452	0.807	2.395	68.037
	Nature of Science	11	003807	7.666	2.139	0.579	1.388	69.690
	Life Sciences	07	003807	4.935	1.630	0.539	1.107	70.500
	Physical Sciences	07	003807	5.037	1.496	0.509	1.048	71.957
	Earth Sciences	07	003807	4.134	1.596	0.424	1.211	59.057

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

### Grade 05 TAKS-M (Spring 2009) Asian Only

<b>Subject</b>	<b>Test Objective</b>	<b>K<sup>1</sup></b>	<b>N</b>	<b>Mean</b>	<b>SD</b>	<b>Alpha<sup>2</sup></b>	<b>SEM</b>	<b>Mean<sup>3</sup> P-Value</b>
Reading	COMPLETE SUBTEST	34	000173	21.855	6.682	0.865	2.455	64.279
	Basic Understanding	11	000173	6.838	2.524	0.679	1.430	62.163
	Applying Knowledge of Literary Elements	06	000173	4.272	1.537	0.640	0.922	71.200
	Using Strategies to Analyze	06	000173	4.162	1.539	0.580	0.997	69.366
	Applying Critical-Thinking Skills	11	000173	6.584	2.277	0.589	1.460	59.854
Mathematics	COMPLETE SUBTEST	35	000167	22.054	6.782	0.859	2.547	63.011
	Numbers, Operations, and Quantitative Reasoning	09	000167	5.701	2.070	0.631	1.257	63.344
	Patterns, Relationships, and Algebraic Reasoning	06	000167	3.701	1.539	0.500	1.088	61.683
	Geometry and Spatial Reasoning	06	000167	4.024	1.371	0.430	1.035	67.066
	Concepts and Uses of Measurement	06	000167	3.778	1.663	0.607	1.043	62.966
	Probability and Statistics	03	000167	1.904	0.958	0.428	0.725	63.466
	Mathematical Processes and Tools	05	000167	2.946	1.295	0.412	0.993	58.920
Science	COMPLETE SUBTEST	32	000194	21.727	5.841	0.833	2.387	67.896
	Nature of Science	11	000194	7.680	2.186	0.600	1.383	69.818
	Life Sciences	07	000194	4.814	1.684	0.555	1.123	68.771
	Physical Sciences	07	000194	4.856	1.691	0.611	1.055	69.371
	Earth Sciences	07	000194	4.376	1.536	0.387	1.203	62.514

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

**Grade 05 TAKS-M (Spring 2009) Hispanic Only**

<b>Subject</b>	<b>Test Objective</b>	<b>K<sup>1</sup></b>	<b>N</b>	<b>Mean</b>	<b>SD</b>	<b>Alpha<sup>2</sup></b>	<b>SEM</b>	<b>Mean<sup>3</sup> P-Value</b>
Reading	COMPLETE SUBTEST	34	007522	23.020	6.446	0.859	2.420	67.705
	Basic Understanding	11	007522	7.220	2.378	0.646	1.415	65.636
	Applying Knowledge of Literary Elements	06	007522	4.454	1.453	0.595	0.925	74.233
	Using Strategies to Analyze	06	007522	4.393	1.449	0.539	0.984	73.216
	Applying Critical-Thinking Skills	11	007522	6.952	2.348	0.631	1.426	63.200
Mathematics	COMPLETE SUBTEST	35	007253	21.638	6.669	0.853	2.557	61.822
	Numbers, Operations, and Quantitative Reasoning	09	007253	5.492	2.030	0.596	1.290	61.022
	Patterns, Relationships, and Algebraic Reasoning	06	007253	3.563	1.620	0.550	1.087	59.383
	Geometry and Spatial Reasoning	06	007253	3.913	1.342	0.416	1.026	65.216
	Concepts and Uses of Measurement	06	007253	3.625	1.602	0.572	1.048	60.416
	Probability and Statistics	03	007253	1.940	0.885	0.259	0.762	64.666
	Mathematical Processes and Tools	05	007253	3.105	1.327	0.474	0.962	62.100
Science	COMPLETE SUBTEST	32	008565	22.233	5.517	0.816	2.367	69.478
	Nature of Science	11	008565	7.870	2.174	0.608	1.361	71.545
	Life Sciences	07	008565	4.893	1.632	0.534	1.114	69.900
	Physical Sciences	07	008565	5.116	1.474	0.509	1.033	73.085
	Earth Sciences	07	008565	4.353	1.608	0.451	1.191	62.185

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

### Grade 05 TAKS-M (Spring 2009) Native American Only

<b>Subject</b>	<b>Test Objective</b>	<b>K<sup>1</sup></b>	<b>N</b>	<b>Mean</b>	<b>SD</b>	<b>Alpha<sup>2</sup></b>	<b>SEM</b>	<b>Mean<sup>3</sup> P-Value</b>
Reading	COMPLETE SUBTEST	34	000056	23.482	6.517	0.870	2.350	69.064
	Basic Understanding	11	000056	7.143	2.346	0.641	1.406	64.936
	Applying Knowledge of Literary Elements	06	000056	4.768	1.465	0.688	0.818	79.466
	Using Strategies to Analyze	06	000056	4.500	1.549	0.652	0.914	75.000
	Applying Critical-Thinking Skills	11	000056	7.071	2.319	0.630	1.411	64.281
Mathematics	COMPLETE SUBTEST	35	000064	22.484	7.046	0.878	2.461	64.240
	Numbers, Operations, and Quantitative Reasoning	09	000064	5.625	1.940	0.575	1.265	62.500
	Patterns, Relationships, and Algebraic Reasoning	06	000064	3.875	1.548	0.525	1.067	64.583
	Geometry and Spatial Reasoning	06	000064	4.203	1.449	0.552	0.970	70.050
	Concepts and Uses of Measurement	06	000064	3.766	1.650	0.616	1.022	62.766
	Probability and Statistics	03	000064	1.922	1.088	0.632	0.660	64.066
	Mathematical Processes and Tools	05	000064	3.094	1.377	0.597	0.874	61.880
Science	COMPLETE SUBTEST	32	000067	22.403	5.243	0.805	2.315	70.009
	Nature of Science	11	000067	8.060	1.850	0.476	1.339	73.272
	Life Sciences	07	000067	4.821	1.669	0.568	1.097	68.871
	Physical Sciences	07	000067	5.239	1.394	0.502	0.984	74.842
	Earth Sciences	07	000067	4.284	1.650	0.491	1.177	61.200

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only



### Grade 05 TAKS-M (Spring 2009) White Only

<b>Subject</b>	<b>Test Objective</b>	<b>K<sup>1</sup></b>	<b>N</b>	<b>Mean</b>	<b>SD</b>	<b>Alpha<sup>2</sup></b>	<b>SEM</b>	<b>Mean<sup>3</sup> P-Value</b>
Reading	COMPLETE SUBTEST	34	003895	24.565	6.279	0.864	2.316	72.250
	Basic Understanding	11	003895	7.644	2.312	0.646	1.376	69.490
	Applying Knowledge of Literary Elements	06	003895	4.708	1.357	0.587	0.872	78.466
	Using Strategies to Analyze	06	003895	4.614	1.360	0.524	0.938	76.900
	Applying Critical-Thinking Skills	11	003895	7.599	2.335	0.659	1.364	69.081
Mathematics	COMPLETE SUBTEST	35	004044	22.163	6.582	0.851	2.541	63.322
	Numbers, Operations, and Quantitative Reasoning	09	004044	5.559	2.022	0.596	1.285	61.766
	Patterns, Relationships, and Algebraic Reasoning	06	004044	3.631	1.596	0.534	1.089	60.516
	Geometry and Spatial Reasoning	06	004044	3.904	1.344	0.403	1.038	65.066
	Concepts and Uses of Measurement	06	004044	3.848	1.581	0.573	1.033	64.133
	Probability and Statistics	03	004044	1.941	0.881	0.236	0.770	64.700
	Mathematical Processes and Tools	05	004044	3.280	1.277	0.458	0.940	65.600
Science	COMPLETE SUBTEST	32	004175	23.566	5.408	0.827	2.249	73.643
	Nature of Science	11	004175	8.272	2.063	0.607	1.293	75.200
	Life Sciences	07	004175	5.256	1.593	0.577	1.036	75.085
	Physical Sciences	07	004175	5.329	1.448	0.536	0.986	76.128
	Earth Sciences	07	004175	4.709	1.586	0.477	1.147	67.271

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

### Grade 06 TAKS-M (Spring 2009) Total Group

<b>Subject</b>	<b>Test Objective</b>	<b>K<sup>1</sup></b>	<b>N</b>	<b>Mean</b>	<b>SD</b>	<b>Alpha<sup>2</sup></b>	<b>SEM</b>	<b>Mean<sup>3</sup> P-Value</b>
Reading	COMPLETE SUBTEST	34	014124	22.437	6.413	0.851	2.475	65.991
	Basic Understanding	11	014124	7.553	2.409	0.676	1.371	68.663
	Applying Knowledge of Literary Elements	06	014124	4.283	1.519	0.587	0.976	71.383
	Using Strategies to Analyze	06	014124	3.608	1.495	0.458	1.101	60.133
	Applying Critical-Thinking Skills	11	014124	6.993	2.293	0.606	1.439	63.572
Mathematics	COMPLETE SUBTEST	37	014478	20.816	5.567	0.757	2.744	56.259
	Numbers, Operations, and Quantitative Reasoning	08	014478	4.715	1.621	0.346	1.311	58.937
	Patterns, Relationships, and Algebraic Reasoning	07	014478	3.321	1.508	0.347	1.219	47.442
	Geometry and Spatial Reasoning	06	014478	3.426	1.455	0.413	1.115	57.100
	Concepts and Uses of Measurement	04	014478	2.275	1.176	0.428	0.889	56.875
	Probability and Statistics	05	014478	3.789	1.175	0.447	0.874	75.780
	Mathematical Processes and Tools	07	014478	3.291	1.382	0.236	1.208	47.014

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

### Grade 06 TAKS-M (Spring 2009) Female Only

<b>Subject</b>	<b>Test Objective</b>	<b>K<sup>1</sup></b>	<b>N</b>	<b>Mean</b>	<b>SD</b>	<b>Alpha<sup>2</sup></b>	<b>SEM</b>	<b>Mean<sup>3</sup> P-Value</b>
Reading	COMPLETE SUBTEST	34	004733	23.341	6.198	0.848	2.416	68.650
	Basic Understanding	11	004733	7.820	2.329	0.669	1.340	71.090
	Applying Knowledge of Literary Elements	06	004733	4.474	1.464	0.591	0.936	74.566
	Using Strategies to Analyze	06	004733	3.725	1.474	0.462	1.081	62.083
	Applying Critical-Thinking Skills	11	004733	7.322	2.199	0.591	1.406	66.563
Mathematics	COMPLETE SUBTEST	37	005197	20.735	5.427	0.745	2.741	56.040
	Numbers, Operations, and Quantitative Reasoning	08	005197	4.706	1.598	0.319	1.319	58.825
	Patterns, Relationships, and Algebraic Reasoning	07	005197	3.341	1.510	0.364	1.204	47.728
	Geometry and Spatial Reasoning	06	005197	3.430	1.433	0.395	1.115	57.166
	Concepts and Uses of Measurement	04	005197	2.147	1.161	0.398	0.901	53.675
	Probability and Statistics	05	005197	3.835	1.157	0.444	0.863	76.700
	Mathematical Processes and Tools	07	005197	3.276	1.342	0.194	1.205	46.800

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

### Grade 06 TAKS-M (Spring 2009) Male Only

<b>Subject</b>	<b>Test Objective</b>	<b>K<sup>1</sup></b>	<b>N</b>	<b>Mean</b>	<b>SD</b>	<b>Alpha<sup>2</sup></b>	<b>SEM</b>	<b>Mean<sup>3</sup> P-Value</b>
Reading	COMPLETE SUBTEST	34	009382	21.979	6.471	0.850	2.506	64.644
	Basic Understanding	11	009382	7.418	2.437	0.676	1.387	67.436
	Applying Knowledge of Literary Elements	06	009382	4.186	1.537	0.582	0.994	69.766
	Using Strategies to Analyze	06	009382	3.548	1.502	0.453	1.111	59.133
	Applying Critical-Thinking Skills	11	009382	6.827	2.322	0.608	1.454	62.063
Mathematics	COMPLETE SUBTEST	37	009271	20.861	5.644	0.763	2.748	56.381
	Numbers, Operations, and Quantitative Reasoning	08	009271	4.720	1.634	0.362	1.305	59.000
	Patterns, Relationships, and Algebraic Reasoning	07	009271	3.309	1.507	0.339	1.225	47.271
	Geometry and Spatial Reasoning	06	009271	3.423	1.468	0.424	1.114	57.050
	Concepts and Uses of Measurement	04	009271	2.347	1.179	0.440	0.882	58.675
	Probability and Statistics	05	009271	3.763	1.184	0.448	0.880	75.260
	Mathematical Processes and Tools	07	009271	3.299	1.405	0.261	1.208	47.128

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

**Grade 06 TAKS-M (Spring 2009) African American Only**

<b>Subject</b>	<b>Test Objective</b>	<b>K<sup>1</sup></b>	<b>N</b>	<b>Mean</b>	<b>SD</b>	<b>Alpha<sup>2</sup></b>	<b>SEM</b>	<b>Mean<sup>3</sup> P-Value</b>
Reading	COMPLETE SUBTEST	34	003314	22.235	6.485	0.854	2.478	65.397
	Basic Understanding	11	003314	7.520	2.488	0.700	1.363	68.363
	Applying Knowledge of Literary Elements	06	003314	4.277	1.508	0.581	0.976	71.283
	Using Strategies to Analyze	06	003314	3.521	1.484	0.444	1.107	58.683
	Applying Critical-Thinking Skills	11	003314	6.916	2.293	0.605	1.441	62.872
Mathematics	COMPLETE SUBTEST	37	003488	20.080	5.507	0.747	2.770	54.270
	Numbers, Operations, and Quantitative Reasoning	08	003488	4.550	1.596	0.309	1.327	56.875
	Patterns, Relationships, and Algebraic Reasoning	07	003488	3.225	1.481	0.317	1.224	46.071
	Geometry and Spatial Reasoning	06	003488	3.229	1.419	0.357	1.138	53.816
	Concepts and Uses of Measurement	04	003488	2.122	1.168	0.406	0.900	53.050
	Probability and Statistics	05	003488	3.700	1.245	0.492	0.887	74.000
	Mathematical Processes and Tools	07	003488	3.255	1.372	0.224	1.209	46.500

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

### Grade 06 TAKS-M (Spring 2009) Asian Only

<b>Subject</b>	<b>Test Objective</b>	<b>K<sup>1</sup></b>	<b>N</b>	<b>Mean</b>	<b>SD</b>	<b>Alpha<sup>2</sup></b>	<b>SEM</b>	<b>Mean<sup>3</sup> P-Value</b>
Reading	COMPLETE SUBTEST	34	000171	22.462	6.572	0.862	2.441	66.064
	Basic Understanding	11	000171	7.760	2.410	0.693	1.335	70.545
	Applying Knowledge of Literary Elements	06	000171	4.357	1.486	0.590	0.952	72.616
	Using Strategies to Analyze	06	000171	3.532	1.512	0.474	1.097	58.866
	Applying Critical-Thinking Skills	11	000171	6.813	2.499	0.681	1.411	61.936
Mathematics	COMPLETE SUBTEST	37	000147	21.238	5.877	0.785	2.725	57.400
	Numbers, Operations, and Quantitative Reasoning	08	000147	4.803	1.650	0.365	1.315	60.037
	Patterns, Relationships, and Algebraic Reasoning	07	000147	3.544	1.635	0.497	1.160	50.628
	Geometry and Spatial Reasoning	06	000147	3.673	1.522	0.502	1.074	61.216
	Concepts and Uses of Measurement	04	000147	2.190	1.201	0.444	0.896	54.750
	Probability and Statistics	05	000147	3.755	1.114	0.353	0.896	75.100
	Mathematical Processes and Tools	07	000147	3.272	1.488	0.342	1.207	46.742

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

**Grade 06 TAKS-M (Spring 2009) Hispanic Only**

<b>Subject</b>	<b>Test Objective</b>	<b>K<sup>1</sup></b>	<b>N</b>	<b>Mean</b>	<b>SD</b>	<b>Alpha<sup>2</sup></b>	<b>SEM</b>	<b>Mean<sup>3</sup> P-Value</b>
Reading	COMPLETE SUBTEST	34	007034	22.128	6.342	0.845	2.497	65.082
	Basic Understanding	11	007034	7.488	2.384	0.663	1.384	68.072
	Applying Knowledge of Literary Elements	06	007034	4.200	1.532	0.581	0.992	70.000
	Using Strategies to Analyze	06	007034	3.540	1.494	0.450	1.108	59.000
	Applying Critical-Thinking Skills	11	007034	6.899	2.264	0.587	1.455	62.718
Mathematics	COMPLETE SUBTEST	37	006923	20.858	5.546	0.755	2.745	56.372
	Numbers, Operations, and Quantitative Reasoning	08	006923	4.787	1.634	0.362	1.305	59.837
	Patterns, Relationships, and Algebraic Reasoning	07	006923	3.301	1.513	0.351	1.219	47.157
	Geometry and Spatial Reasoning	06	006923	3.445	1.464	0.425	1.110	57.416
	Concepts and Uses of Measurement	04	006923	2.306	1.176	0.429	0.889	57.650
	Probability and Statistics	05	006923	3.750	1.162	0.418	0.886	75.000
	Mathematical Processes and Tools	07	006923	3.270	1.375	0.229	1.207	46.714

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

### Grade 06 TAKS-M (Spring 2009) Native American Only

<b>Subject</b>	<b>Test Objective</b>	<b>K<sup>1</sup></b>	<b>N</b>	<b>Mean</b>	<b>SD</b>	<b>Alpha<sup>2</sup></b>	<b>SEM</b>	<b>Mean<sup>3</sup> P-Value</b>
Reading	COMPLETE SUBTEST	34	000054	23.370	5.731	0.819	2.438	68.735
	Basic Understanding	11	000054	7.574	2.618	0.740	1.335	68.854
	Applying Knowledge of Literary Elements	06	000054	4.556	1.208	0.369	0.960	75.933
	Using Strategies to Analyze	06	000054	3.944	1.366	0.382	1.074	65.733
	Applying Critical-Thinking Skills	11	000054	7.296	1.978	0.480	1.426	66.327
Mathematics	COMPLETE SUBTEST	37	000060	21.400	5.758	0.787	2.657	57.837
	Numbers, Operations, and Quantitative Reasoning	08	000060	4.683	1.589	0.310	1.320	58.537
	Patterns, Relationships, and Algebraic Reasoning	07	000060	3.517	1.535	0.391	1.198	50.242
	Geometry and Spatial Reasoning	06	000060	3.250	1.547	0.508	1.085	54.166
	Concepts and Uses of Measurement	04	000060	2.567	1.184	0.526	0.815	64.175
	Probability and Statistics	05	000060	4.117	1.010	0.384	0.793	82.340
	Mathematical Processes and Tools	07	000060	3.267	1.448	0.381	1.139	46.671

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only



### Grade 06 TAKS-M (Spring 2009) White Only

<b>Subject</b>	<b>Test Objective</b>	<b>K<sup>1</sup></b>	<b>N</b>	<b>Mean</b>	<b>SD</b>	<b>Alpha<sup>2</sup></b>	<b>SEM</b>	<b>Mean<sup>3</sup> P-Value</b>
Reading	COMPLETE SUBTEST	34	003528	23.224	6.420	0.857	2.428	68.305
	Basic Understanding	11	003528	7.698	2.376	0.673	1.359	69.981
	Applying Knowledge of Literary Elements	06	003528	4.446	1.495	0.601	0.944	74.100
	Using Strategies to Analyze	06	003528	3.821	1.488	0.472	1.081	63.683
	Applying Critical-Thinking Skills	11	003528	7.259	2.323	0.636	1.402	65.990
Mathematics	COMPLETE SUBTEST	37	003839	21.384	5.573	0.762	2.719	57.794
	Numbers, Operations, and Quantitative Reasoning	08	003839	4.734	1.608	0.346	1.300	59.175
	Patterns, Relationships, and Algebraic Reasoning	07	003839	3.431	1.510	0.355	1.213	49.014
	Geometry and Spatial Reasoning	06	003839	3.565	1.448	0.417	1.106	59.416
	Concepts and Uses of Measurement	04	003839	2.359	1.171	0.432	0.883	58.975
	Probability and Statistics	05	003839	3.937	1.124	0.450	0.834	78.740
	Mathematical Processes and Tools	07	003839	3.358	1.397	0.252	1.208	47.971

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

### Grade 07 TAKS-M (Spring 2009) Total Group

<b>Subject</b>	<b>Test Objective</b>	<b>K<sup>1</sup></b>	<b>N</b>	<b>Mean</b>	<b>SD</b>	<b>Alpha<sup>2</sup></b>	<b>SEM</b>	<b>Mean<sup>3</sup> P-Value</b>
Reading	COMPLETE SUBTEST	38	013886	25.443	6.961	0.863	2.577	66.955
	Basic Understanding	10	013886	6.949	2.116	0.636	1.277	69.490
	Applying Knowledge of Literary Elements	08	013886	5.592	1.954	0.648	1.159	69.900
	Using Strategies to Analyze	08	013886	5.657	1.828	0.606	1.147	70.712
	Applying Critical-Thinking Skills	12	013886	7.244	2.366	0.580	1.533	60.366
Mathematics	COMPLETE SUBTEST	38	015280	20.130	6.227	0.790	2.854	52.973
	Numbers, Operations, and Quantitative Reasoning	08	015280	4.325	1.929	0.575	1.258	54.062
	Patterns, Relationships, and Algebraic Reasoning	08	015280	3.928	1.625	0.310	1.350	49.100
	Geometry and Spatial Reasoning	06	015280	3.201	1.424	0.389	1.113	53.350
	Concepts and Uses of Measurement	04	015280	2.070	1.073	0.261	0.922	51.750
	Probability and Statistics	06	015280	3.059	1.457	0.376	1.151	50.983
	Mathematical Processes and Tools	06	015280	3.546	1.502	0.443	1.121	59.100
Writing	COMPLETE SUBTEST	44	015378	23.303	6.785	0.879	2.360	67.953
	Appropriate Organization of Ideas	04	015378	2.993	1.108	0.517	0.770	74.825
	Correct and Effective Sentence Construction	08	015378	4.814	1.990	0.606	1.249	60.175
	Standard Usage and Appropriate Word Choice	10	015378	7.275	2.267	0.705	1.231	72.750
	Proofreading for Punctuation, Capitalization, and Spelling	10	015378	6.663	2.300	0.671	1.319	66.630

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

### Grade 07 TAKS-M (Spring 2009) Female Only

<b>Subject</b>	<b>Test Objective</b>	<b>K<sup>1</sup></b>	<b>N</b>	<b>Mean</b>	<b>SD</b>	<b>Alpha<sup>2</sup></b>	<b>SEM</b>	<b>Mean<sup>3</sup> P-Value</b>
Reading	COMPLETE SUBTEST	38	004451	25.756	6.830	0.860	2.556	67.778
	Basic Understanding	10	004451	7.102	2.061	0.627	1.259	71.020
	Applying Knowledge of Literary Elements	08	004451	5.650	1.920	0.639	1.154	70.625
	Using Strategies to Analyze	08	004451	5.707	1.794	0.598	1.137	71.337
	Applying Critical-Thinking Skills	12	004451	7.296	2.349	0.580	1.522	60.800
Mathematics	COMPLETE SUBTEST	38	005431	20.179	6.099	0.782	2.848	53.102
	Numbers, Operations, and Quantitative Reasoning	08	005431	4.297	1.901	0.559	1.262	53.712
	Patterns, Relationships, and Algebraic Reasoning	08	005431	3.948	1.584	0.277	1.347	49.350
	Geometry and Spatial Reasoning	06	005431	3.162	1.415	0.388	1.107	52.700
	Concepts and Uses of Measurement	04	005431	2.064	1.097	0.303	0.916	51.600
	Probability and Statistics	06	005431	3.136	1.436	0.357	1.151	52.266
	Mathematical Processes and Tools	06	005431	3.570	1.473	0.420	1.122	59.500
Writing	COMPLETE SUBTEST	44	004876	24.289	6.597	0.877	2.314	70.659
	Appropriate Organization of Ideas	04	004876	3.102	1.073	0.531	0.735	77.550
	Correct and Effective Sentence Construction	08	004876	5.015	1.970	0.610	1.230	62.687
	Standard Usage and Appropriate Word Choice	10	004876	7.515	2.197	0.707	1.189	75.150
	Proofreading for Punctuation, Capitalization, and Spelling	10	004876	6.979	2.221	0.666	1.284	69.790

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

### Grade 07 TAKS-M (Spring 2009) Male Only

<b>Subject</b>	<b>Test Objective</b>	<b>K<sup>1</sup></b>	<b>N</b>	<b>Mean</b>	<b>SD</b>	<b>Alpha<sup>2</sup></b>	<b>SEM</b>	<b>Mean<sup>3</sup> P-Value</b>
Reading	COMPLETE SUBTEST	38	009414	25.297	7.014	0.864	2.587	66.571
	Basic Understanding	10	009414	6.877	2.136	0.638	1.285	68.770
	Applying Knowledge of Literary Elements	08	009414	5.566	1.969	0.653	1.160	69.575
	Using Strategies to Analyze	08	009414	5.634	1.843	0.609	1.152	70.425
	Applying Critical-Thinking Skills	12	009414	7.220	2.374	0.580	1.539	60.166
Mathematics	COMPLETE SUBTEST	38	009830	20.106	6.297	0.795	2.851	52.910
	Numbers, Operations, and Quantitative Reasoning	08	009830	4.342	1.944	0.587	1.249	54.275
	Patterns, Relationships, and Algebraic Reasoning	08	009830	3.918	1.647	0.328	1.350	48.975
	Geometry and Spatial Reasoning	06	009830	3.224	1.429	0.390	1.116	53.733
	Concepts and Uses of Measurement	04	009830	2.073	1.058	0.235	0.925	51.825
	Probability and Statistics	06	009830	3.016	1.468	0.386	1.150	50.266
	Mathematical Processes and Tools	06	009830	3.534	1.518	0.457	1.119	58.900
Writing	COMPLETE SUBTEST	44	010486	22.843	6.821	0.877	2.392	66.690
	Appropriate Organization of Ideas	04	010486	2.943	1.119	0.508	0.785	73.575
	Correct and Effective Sentence Construction	08	010486	4.720	1.992	0.602	1.257	59.000
	Standard Usage and Appropriate Word Choice	10	010486	7.163	2.290	0.702	1.250	71.630
	Proofreading for Punctuation, Capitalization, and Spelling	10	010486	6.515	2.321	0.669	1.335	65.150

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

**Grade 07 TAKS-M (Spring 2009) African American Only**

<b>Subject</b>	<b>Test Objective</b>	<b>K<sup>1</sup></b>	<b>N</b>	<b>Mean</b>	<b>SD</b>	<b>Alpha<sup>2</sup></b>	<b>SEM</b>	<b>Mean<sup>3</sup> P-Value</b>
Reading	COMPLETE SUBTEST	38	003260	25.275	7.002	0.863	2.592	66.513
	Basic Understanding	10	003260	6.963	2.147	0.646	1.277	69.630
	Applying Knowledge of Literary Elements	08	003260	5.525	1.966	0.649	1.165	69.062
	Using Strategies to Analyze	08	003260	5.572	1.847	0.606	1.159	69.650
	Applying Critical-Thinking Skills	12	003260	7.216	2.375	0.580	1.539	60.133
Mathematics	COMPLETE SUBTEST	38	003621	19.504	6.033	0.773	2.874	51.326
	Numbers, Operations, and Quantitative Reasoning	08	003621	4.133	1.882	0.543	1.272	51.662
	Patterns, Relationships, and Algebraic Reasoning	08	003621	3.891	1.587	0.274	1.352	48.637
	Geometry and Spatial Reasoning	06	003621	2.993	1.395	0.333	1.139	49.883
	Concepts and Uses of Measurement	04	003621	1.977	1.076	0.267	0.921	49.425
	Probability and Statistics	06	003621	2.966	1.434	0.347	1.159	49.433
	Mathematical Processes and Tools	06	003621	3.543	1.504	0.448	1.117	59.050
Writing	COMPLETE SUBTEST	44	003461	22.911	6.801	0.876	2.395	66.859
	Appropriate Organization of Ideas	04	003461	2.929	1.137	0.527	0.782	73.225
	Correct and Effective Sentence Construction	08	003461	4.746	1.971	0.593	1.257	59.325
	Standard Usage and Appropriate Word Choice	10	003461	7.092	2.243	0.683	1.263	70.920
	Proofreading for Punctuation, Capitalization, and Spelling	10	003461	6.628	2.347	0.684	1.319	66.280

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

### Grade 07 TAKS-M (Spring 2009) Asian Only

<b>Subject</b>	<b>Test Objective</b>	<b>K<sup>1</sup></b>	<b>N</b>	<b>Mean</b>	<b>SD</b>	<b>Alpha<sup>2</sup></b>	<b>SEM</b>	<b>Mean<sup>3</sup> P-Value</b>
Reading	COMPLETE SUBTEST	38	000132	25.932	6.978	0.867	2.545	68.242
	Basic Understanding	10	000132	7.318	2.102	0.673	1.202	73.180
	Applying Knowledge of Literary Elements	08	000132	5.417	2.140	0.714	1.144	67.712
	Using Strategies to Analyze	08	000132	5.788	1.739	0.561	1.152	72.350
	Applying Critical-Thinking Skills	12	000132	7.409	2.331	0.569	1.530	61.741
Mathematics	COMPLETE SUBTEST	38	000135	20.000	6.770	0.827	2.816	52.631
	Numbers, Operations, and Quantitative Reasoning	08	000135	4.333	2.033	0.636	1.227	54.162
	Patterns, Relationships, and Algebraic Reasoning	08	000135	3.778	1.596	0.285	1.350	47.225
	Geometry and Spatial Reasoning	06	000135	3.304	1.493	0.455	1.102	55.066
	Concepts and Uses of Measurement	04	000135	2.141	1.087	0.313	0.901	53.525
	Probability and Statistics	06	000135	3.007	1.509	0.430	1.139	50.116
	Mathematical Processes and Tools	06	000135	3.437	1.514	0.449	1.124	57.283
Writing	COMPLETE SUBTEST	44	000145	25.400	6.420	0.880	2.224	74.225
	Appropriate Organization of Ideas	04	000145	2.938	1.113	0.514	0.776	73.450
	Correct and Effective Sentence Construction	08	000145	5.572	1.743	0.530	1.195	69.650
	Standard Usage and Appropriate Word Choice	10	000145	7.752	2.191	0.726	1.147	77.520
	Proofreading for Punctuation, Capitalization, and Spelling	10	000145	7.490	2.264	0.725	1.187	74.900

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

### Grade 07 TAKS-M (Spring 2009) Hispanic Only

<b>Subject</b>	<b>Test Objective</b>	<b>K<sup>1</sup></b>	<b>N</b>	<b>Mean</b>	<b>SD</b>	<b>Alpha<sup>2</sup></b>	<b>SEM</b>	<b>Mean<sup>3</sup> P-Value</b>
Reading	COMPLETE SUBTEST	38	006964	24.874	6.890	0.856	2.615	65.457
	Basic Understanding	10	006964	6.792	2.095	0.620	1.291	67.920
	Applying Knowledge of Literary Elements	08	006964	5.450	1.965	0.638	1.182	68.125
	Using Strategies to Analyze	08	006964	5.573	1.843	0.604	1.160	69.662
	Applying Critical-Thinking Skills	12	006964	7.058	2.323	0.555	1.550	58.816
Mathematics	COMPLETE SUBTEST	38	007367	20.121	6.182	0.787	2.853	52.950
	Numbers, Operations, and Quantitative Reasoning	08	007367	4.319	1.929	0.575	1.258	53.987
	Patterns, Relationships, and Algebraic Reasoning	08	007367	3.918	1.639	0.322	1.350	48.975
	Geometry and Spatial Reasoning	06	007367	3.292	1.414	0.397	1.098	54.866
	Concepts and Uses of Measurement	04	007367	2.091	1.058	0.231	0.928	52.275
	Probability and Statistics	06	007367	3.020	1.430	0.345	1.157	50.333
	Mathematical Processes and Tools	06	007367	3.481	1.505	0.444	1.122	58.016
Writing	COMPLETE SUBTEST	44	007608	22.913	6.698	0.872	2.396	66.731
	Appropriate Organization of Ideas	04	007608	2.964	1.109	0.503	0.782	74.100
	Correct and Effective Sentence Construction	08	007608	4.674	1.966	0.584	1.268	58.425
	Standard Usage and Appropriate Word Choice	10	007608	7.191	2.263	0.699	1.242	71.910
	Proofreading for Punctuation, Capitalization, and Spelling	10	007608	6.524	2.269	0.650	1.342	65.240

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

### Grade 07 TAKS-M (Spring 2009) Native American Only

<b>Subject</b>	<b>Test Objective</b>	<b>K<sup>1</sup></b>	<b>N</b>	<b>Mean</b>	<b>SD</b>	<b>Alpha<sup>2</sup></b>	<b>SEM</b>	<b>Mean<sup>3</sup> P-Value</b>
Reading	COMPLETE SUBTEST	38	000049	26.633	6.676	0.864	2.462	70.086
	Basic Understanding	10	000049	6.959	2.131	0.642	1.275	69.590
	Applying Knowledge of Literary Elements	08	000049	5.980	1.639	0.518	1.138	74.750
	Using Strategies to Analyze	08	000049	6.000	1.658	0.570	1.087	75.000
	Applying Critical-Thinking Skills	12	000049	7.694	2.527	0.692	1.402	64.116
Mathematics	COMPLETE SUBTEST	38	000054	19.537	5.993	0.776	2.836	51.413
	Numbers, Operations, and Quantitative Reasoning	08	000054	4.241	1.769	0.478	1.278	53.012
	Patterns, Relationships, and Algebraic Reasoning	08	000054	3.815	1.402	0.077	1.347	47.687
	Geometry and Spatial Reasoning	06	000054	3.222	1.550	0.527	1.066	53.700
	Concepts and Uses of Measurement	04	000054	1.889	1.076	0.318	0.889	47.225
	Probability and Statistics	06	000054	2.889	1.513	0.438	1.134	48.150
	Mathematical Processes and Tools	06	000054	3.481	1.599	0.523	1.104	58.016
Writing	COMPLETE SUBTEST	44	000055	24.382	6.496	0.877	2.278	70.796
	Appropriate Organization of Ideas	04	000055	3.236	1.154	0.716	0.615	80.900
	Correct and Effective Sentence Construction	08	000055	4.782	2.006	0.622	1.233	59.775
	Standard Usage and Appropriate Word Choice	10	000055	7.709	2.274	0.750	1.137	77.090
	Proofreading for Punctuation, Capitalization, and Spelling	10	000055	6.927	2.045	0.601	1.292	69.270

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only



**Grade 07 TAKS-M (Spring 2009) White Only**

<b>Subject</b>	<b>Test Objective</b>	<b>K<sup>1</sup></b>	<b>N</b>	<b>Mean</b>	<b>SD</b>	<b>Alpha<sup>2</sup></b>	<b>SEM</b>	<b>Mean<sup>3</sup> P-Value</b>
Reading	COMPLETE SUBTEST	38	003457	26.705	6.894	0.869	2.495	70.276
	Basic Understanding	10	003457	7.236	2.093	0.647	1.244	72.360
	Applying Knowledge of Literary Elements	08	003457	5.945	1.869	0.653	1.101	74.312
	Using Strategies to Analyze	08	003457	5.894	1.760	0.604	1.108	73.675
	Applying Critical-Thinking Skills	12	003457	7.629	2.396	0.613	1.491	63.575
Mathematics	COMPLETE SUBTEST	38	004083	20.716	6.409	0.804	2.837	54.515
	Numbers, Operations, and Quantitative Reasoning	08	004083	4.507	1.953	0.598	1.238	56.337
	Patterns, Relationships, and Algebraic Reasoning	08	004083	3.986	1.637	0.322	1.348	49.825
	Geometry and Spatial Reasoning	06	004083	3.219	1.448	0.405	1.117	53.650
	Concepts and Uses of Measurement	04	004083	2.115	1.090	0.295	0.915	52.875
	Probability and Statistics	06	004083	3.216	1.510	0.437	1.133	53.600
	Mathematical Processes and Tools	06	004083	3.674	1.483	0.431	1.119	61.233
Writing	COMPLETE SUBTEST	44	004091	24.273	6.839	0.888	2.289	70.900
	Appropriate Organization of Ideas	04	004091	3.100	1.072	0.526	0.738	77.500
	Correct and Effective Sentence Construction	08	004091	5.105	2.024	0.645	1.206	63.812
	Standard Usage and Appropriate Word Choice	10	004091	7.565	2.269	0.729	1.181	75.650
	Proofreading for Punctuation, Capitalization, and Spelling	10	004091	6.919	2.295	0.691	1.276	69.190

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

### Grade 08 TAKS-M (Spring 2009) Total Group

<b>Subject</b>	<b>Test Objective</b>	<b>K<sup>1</sup></b>	<b>N</b>	<b>Mean</b>	<b>SD</b>	<b>Alpha<sup>2</sup></b>	<b>SEM</b>	<b>Mean<sup>3</sup> P-Value</b>
Reading	COMPLETE SUBTEST	38	014331	26.157	7.266	0.878	2.538	68.834
	Basic Understanding	10	014331	7.464	2.200	0.689	1.227	74.640
	Applying Knowledge of Literary Elements	08	014331	5.740	1.782	0.578	1.158	71.750
	Using Strategies to Analyze	08	014331	5.678	1.885	0.651	1.114	70.975
	Applying Critical-Thinking Skills	12	014331	7.274	2.602	0.649	1.542	60.616
Mathematics	COMPLETE SUBTEST	40	016506	21.349	6.313	0.784	2.934	53.372
	Numbers, Operations, and Quantitative Reasoning	08	016506	4.126	1.779	0.455	1.313	51.575
	Patterns, Relationships, and Algebraic Reasoning	08	016506	4.680	1.765	0.449	1.310	58.500
	Geometry and Spatial Reasoning	06	016506	3.129	1.392	0.310	1.156	52.150
	Concepts and Uses of Measurement	04	016506	2.056	1.110	0.313	0.920	51.400
	Probability and Statistics	06	016506	3.200	1.358	0.286	1.147	53.333
	Mathematical Processes and Tools	08	016506	4.159	1.720	0.444	1.283	51.987
Social Studies	COMPLETE SUBTEST	38	015944	22.302	6.833	0.835	2.776	58.689
	Issues and Events in U.S. History	10	015944	5.103	2.244	0.597	1.425	51.030
	Geographic Influences on History	05	015944	2.990	1.369	0.453	1.013	59.800
	Economic and Social Influences on History	07	015944	4.473	1.612	0.456	1.189	63.900
	Political Influences on History	10	015944	5.553	2.202	0.557	1.466	55.530
	Critical-Thinking Skills	06	015944	4.183	1.452	0.503	1.024	69.716
Science	COMPLETE SUBTEST	40	016864	24.456	6.520	0.811	2.835	61.140
	Nature of Science	11	016864	7.014	2.178	0.565	1.436	63.763
	Life Systems and the Environment	10	016864	6.437	2.155	0.580	1.397	64.370
	Structures and Properties of Matter	05	016864	3.001	1.266	0.344	1.025	60.020
	Motion, Forces, and Energy	05	016864	2.541	1.267	0.302	1.059	50.820
	Earth and Space Systems	09	016864	5.463	1.809	0.432	1.363	60.700

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

### Grade 08 TAKS-M (Spring 2009) Female Only

<b>Subject</b>	<b>Test Objective</b>	<b>K<sup>1</sup></b>	<b>N</b>	<b>Mean</b>	<b>SD</b>	<b>Alpha<sup>2</sup></b>	<b>SEM</b>	<b>Mean<sup>3</sup> P-Value</b>
Reading	COMPLETE SUBTEST	38	004672	26.445	7.115	0.875	2.516	69.592
	Basic Understanding	10	004672	7.515	2.162	0.684	1.215	75.150
	Applying Knowledge of Literary Elements	08	004672	5.812	1.737	0.564	1.147	72.650
	Using Strategies to Analyze	08	004672	5.771	1.834	0.644	1.094	72.137
	Applying Critical-Thinking Skills	12	004672	7.347	2.581	0.647	1.533	61.225
Mathematics	COMPLETE SUBTEST	40	005832	21.202	6.191	0.775	2.937	53.005
	Numbers, Operations, and Quantitative Reasoning	08	005832	4.156	1.788	0.465	1.308	51.950
	Patterns, Relationships, and Algebraic Reasoning	08	005832	4.671	1.748	0.432	1.317	58.387
	Geometry and Spatial Reasoning	06	005832	2.960	1.365	0.268	1.168	49.333
	Concepts and Uses of Measurement	04	005832	2.140	1.114	0.321	0.918	53.500
	Probability and Statistics	06	005832	3.159	1.344	0.262	1.155	52.650
	Mathematical Processes and Tools	08	005832	4.116	1.678	0.433	1.264	51.450
Social Studies	COMPLETE SUBTEST	38	005457	21.901	6.515	0.817	2.787	57.634
	Issues and Events in U.S. History	10	005457	4.846	2.119	0.552	1.418	48.460
	Geographic Influences on History	05	005457	2.797	1.348	0.407	1.038	55.940
	Economic and Social Influences on History	07	005457	4.457	1.561	0.414	1.195	63.671
	Political Influences on History	10	005457	5.557	2.184	0.548	1.468	55.570
	Critical-Thinking Skills	06	005457	4.244	1.421	0.490	1.015	70.733
Science	COMPLETE SUBTEST	40	005836	23.781	6.232	0.787	2.876	59.452
	Nature of Science	11	005836	6.827	2.169	0.549	1.457	62.063
	Life Systems and the Environment	10	005836	6.305	2.095	0.543	1.416	63.050
	Structures and Properties of Matter	05	005836	2.914	1.245	0.308	1.036	58.280
	Motion, Forces, and Energy	05	005836	2.485	1.224	0.254	1.057	49.700
	Earth and Space Systems	09	005836	5.250	1.797	0.398	1.394	58.333

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

**Grade 08 TAKS-M (Spring 2009) Male Only**

<b>Subject</b>	<b>Test Objective</b>	<b>K<sup>1</sup></b>	<b>N</b>	<b>Mean</b>	<b>SD</b>	<b>Alpha<sup>2</sup></b>	<b>SEM</b>	<b>Mean<sup>3</sup> P-Value</b>
Reading	COMPLETE SUBTEST	38	009650	26.019	7.334	0.879	2.551	68.471
	Basic Understanding	10	009650	7.440	2.217	0.691	1.232	74.400
	Applying Knowledge of Literary Elements	08	009650	5.706	1.802	0.585	1.161	71.325
	Using Strategies to Analyze	08	009650	5.634	1.907	0.654	1.122	70.425
	Applying Critical-Thinking Skills	12	009650	7.239	2.611	0.650	1.545	60.325
Mathematics	COMPLETE SUBTEST	40	010666	21.431	6.378	0.789	2.930	53.577
	Numbers, Operations, and Quantitative Reasoning	08	010666	4.109	1.774	0.450	1.316	51.362
	Patterns, Relationships, and Algebraic Reasoning	08	010666	4.685	1.774	0.460	1.304	58.562
	Geometry and Spatial Reasoning	06	010666	3.221	1.399	0.327	1.148	53.683
	Concepts and Uses of Measurement	04	010666	2.010	1.105	0.307	0.920	50.250
	Probability and Statistics	06	010666	3.222	1.365	0.299	1.143	53.700
	Mathematical Processes and Tools	08	010666	4.183	1.742	0.452	1.290	52.287
	COMPLETE SUBTEST	38	010475	22.513	6.984	0.843	2.767	59.244
Social Studies	Issues and Events in U.S. History	10	010475	5.238	2.295	0.615	1.424	52.380
	Geographic Influences on History	05	010475	3.090	1.369	0.471	0.996	61.800
	Economic and Social Influences on History	07	010475	4.482	1.639	0.477	1.185	64.028
	Political Influences on History	10	010475	5.551	2.211	0.563	1.462	55.510
	Critical-Thinking Skills	06	010475	4.151	1.467	0.509	1.028	69.183
Science	COMPLETE SUBTEST	40	011014	24.816	6.639	0.820	2.817	62.040
	Nature of Science	11	011014	7.114	2.175	0.571	1.425	64.672
	Life Systems and the Environment	10	011014	6.508	2.183	0.598	1.384	65.080
	Structures and Properties of Matter	05	011014	3.047	1.275	0.359	1.021	60.940
	Motion, Forces, and Energy	05	011014	2.571	1.288	0.329	1.055	51.420
Earth and Space Systems	09	011014	5.576	1.804	0.445	1.344	61.955	

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2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

**Grade 08 TAKS-M (Spring 2009) African American Only**

<b>Subject</b>	<b>Test Objective</b>	<b>K<sup>1</sup></b>	<b>N</b>	<b>Mean</b>	<b>SD</b>	<b>Alpha<sup>2</sup></b>	<b>SEM</b>	<b>Mean<sup>3</sup> P-Value</b>
Reading	COMPLETE SUBTEST	38	003397	25.802	7.372	0.879	2.564	67.900
	Basic Understanding	10	003397	7.311	2.210	0.678	1.254	73.110
	Applying Knowledge of Literary Elements	08	003397	5.717	1.817	0.592	1.161	71.462
	Using Strategies to Analyze	08	003397	5.568	1.927	0.661	1.122	69.600
	Applying Critical-Thinking Skills	12	003397	7.206	2.606	0.646	1.551	60.050
Mathematics	COMPLETE SUBTEST	40	003914	20.308	5.976	0.754	2.964	50.770
	Numbers, Operations, and Quantitative Reasoning	08	003914	3.891	1.719	0.408	1.323	48.637
	Patterns, Relationships, and Algebraic Reasoning	08	003914	4.508	1.740	0.417	1.329	56.350
	Geometry and Spatial Reasoning	06	003914	2.910	1.346	0.237	1.176	48.500
	Concepts and Uses of Measurement	04	003914	1.937	1.076	0.264	0.923	48.425
	Probability and Statistics	06	003914	3.036	1.322	0.216	1.171	50.600
	Mathematical Processes and Tools	08	003914	4.027	1.699	0.423	1.291	50.337
Social Studies	COMPLETE SUBTEST	38	003705	21.583	6.701	0.827	2.787	56.797
	Issues and Events in U.S. History	10	003705	4.867	2.161	0.566	1.424	48.670
	Geographic Influences on History	05	003705	2.781	1.351	0.409	1.039	55.620
	Economic and Social Influences on History	07	003705	4.469	1.585	0.444	1.182	63.842
	Political Influences on History	10	003705	5.399	2.212	0.558	1.471	53.990
	Critical-Thinking Skills	06	003705	4.066	1.470	0.499	1.040	67.766
Science	COMPLETE SUBTEST	40	003904	23.297	6.310	0.790	2.892	58.242
	Nature of Science	11	003904	6.726	2.154	0.535	1.469	61.145
	Life Systems and the Environment	10	003904	6.199	2.110	0.544	1.425	61.990
	Structures and Properties of Matter	05	003904	2.865	1.261	0.324	1.037	57.300
	Motion, Forces, and Energy	05	003904	2.345	1.220	0.229	1.071	46.900
	Earth and Space Systems	09	003904	5.163	1.821	0.417	1.390	57.366

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

### Grade 08 TAKS-M (Spring 2009) Asian Only

<b>Subject</b>	<b>Test Objective</b>	<b>K<sup>1</sup></b>	<b>N</b>	<b>Mean</b>	<b>SD</b>	<b>Alpha<sup>2</sup></b>	<b>SEM</b>	<b>Mean<sup>3</sup> P-Value</b>
Reading	COMPLETE SUBTEST	38	000137	24.635	7.718	0.885	2.617	64.828
	Basic Understanding	10	000137	7.080	2.361	0.715	1.260	70.800
	Applying Knowledge of Literary Elements	08	000137	5.307	1.780	0.510	1.246	66.337
	Using Strategies to Analyze	08	000137	5.343	2.123	0.709	1.145	66.787
	Applying Critical-Thinking Skills	12	000137	6.905	2.738	0.682	1.544	57.541
Mathematics	COMPLETE SUBTEST	40	000146	22.630	6.781	0.818	2.893	56.575
	Numbers, Operations, and Quantitative Reasoning	08	000146	4.390	1.884	0.534	1.286	54.875
	Patterns, Relationships, and Algebraic Reasoning	08	000146	4.973	1.773	0.479	1.280	62.162
	Geometry and Spatial Reasoning	06	000146	3.233	1.329	0.226	1.169	53.883
	Concepts and Uses of Measurement	04	000146	2.308	1.086	0.286	0.918	57.700
	Probability and Statistics	06	000146	3.219	1.336	0.245	1.161	53.650
	Mathematical Processes and Tools	08	000146	4.507	1.794	0.503	1.265	56.337
Social Studies	COMPLETE SUBTEST	38	000138	23.138	6.608	0.826	2.756	60.889
	Issues and Events in U.S. History	10	000138	5.804	2.339	0.656	1.372	58.040
	Geographic Influences on History	05	000138	3.087	1.370	0.481	0.987	61.740
	Economic and Social Influences on History	07	000138	4.399	1.637	0.478	1.183	62.842
	Political Influences on History	10	000138	5.616	2.073	0.494	1.475	56.160
	Critical-Thinking Skills	06	000138	4.232	1.369	0.429	1.034	70.533
Science	COMPLETE SUBTEST	40	000148	24.230	6.546	0.813	2.831	60.575
	Nature of Science	11	000148	7.074	2.265	0.596	1.440	64.309
	Life Systems and the Environment	10	000148	6.277	2.261	0.629	1.377	62.770
	Structures and Properties of Matter	05	000148	3.000	1.207	0.275	1.028	60.000
	Motion, Forces, and Energy	05	000148	2.649	1.250	0.324	1.028	52.980
	Earth and Space Systems	09	000148	5.230	1.711	0.344	1.386	58.111

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

**Grade 08 TAKS-M (Spring 2009) Hispanic Only**

<b>Subject</b>	<b>Test Objective</b>	<b>K<sup>1</sup></b>	<b>N</b>	<b>Mean</b>	<b>SD</b>	<b>Alpha<sup>2</sup></b>	<b>SEM</b>	<b>Mean<sup>3</sup> P-Value</b>
Reading	COMPLETE SUBTEST	38	007122	25.703	7.161	0.871	2.572	67.639
	Basic Understanding	10	007122	7.386	2.218	0.688	1.239	73.860
	Applying Knowledge of Literary Elements	08	007122	5.656	1.762	0.556	1.174	70.700
	Using Strategies to Analyze	08	007122	5.613	1.876	0.641	1.124	70.162
	Applying Critical-Thinking Skills	12	007122	7.049	2.547	0.626	1.558	58.741
Mathematics	COMPLETE SUBTEST	40	007852	21.280	6.302	0.783	2.936	53.200
	Numbers, Operations, and Quantitative Reasoning	08	007852	4.151	1.781	0.455	1.315	51.887
	Patterns, Relationships, and Algebraic Reasoning	08	007852	4.670	1.772	0.454	1.309	58.375
	Geometry and Spatial Reasoning	06	007852	3.147	1.386	0.311	1.150	52.450
	Concepts and Uses of Measurement	04	007852	2.057	1.114	0.319	0.919	51.425
	Probability and Statistics	06	007852	3.143	1.362	0.291	1.147	52.383
	Mathematical Processes and Tools	08	007852	4.112	1.705	0.433	1.284	51.400
Social Studies	COMPLETE SUBTEST	38	007965	21.763	6.719	0.826	2.803	57.271
	Issues and Events in U.S. History	10	007965	4.969	2.224	0.589	1.426	49.690
	Geographic Influences on History	05	007965	2.893	1.362	0.436	1.023	57.860
	Economic and Social Influences on History	07	007965	4.366	1.616	0.445	1.204	62.371
	Political Influences on History	10	007965	5.449	2.159	0.533	1.475	54.490
	Critical-Thinking Skills	06	007965	4.087	1.448	0.480	1.044	68.116
Science	COMPLETE SUBTEST	40	008391	24.031	6.364	0.798	2.860	60.077
	Nature of Science	11	008391	6.952	2.144	0.548	1.441	63.200
	Life Systems and the Environment	10	008391	6.269	2.147	0.567	1.413	62.690
	Structures and Properties of Matter	05	008391	2.922	1.265	0.330	1.035	58.440
	Motion, Forces, and Energy	05	008391	2.531	1.247	0.275	1.062	50.620
	Earth and Space Systems	09	008391	5.357	1.787	0.408	1.375	59.522

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

**Grade 08 TAKS-M (Spring 2009) Native American Only**

<b>Subject</b>	<b>Test Objective</b>	<b>K<sup>1</sup></b>	<b>N</b>	<b>Mean</b>	<b>SD</b>	<b>Alpha<sup>2</sup></b>	<b>SEM</b>	<b>Mean<sup>3</sup> P-Value</b>
Reading	COMPLETE SUBTEST	38	000051	27.745	7.124	0.886	2.405	73.013
	Basic Understanding	10	000051	8.078	1.885	0.645	1.123	80.780
	Applying Knowledge of Literary Elements	08	000051	5.902	1.921	0.681	1.085	73.775
	Using Strategies to Analyze	08	000051	6.157	1.605	0.552	1.074	76.962
	Applying Critical-Thinking Skills	12	000051	7.608	2.815	0.724	1.479	63.400
Mathematics	COMPLETE SUBTEST	40	000068	22.059	6.705	0.816	2.876	55.147
	Numbers, Operations, and Quantitative Reasoning	08	000068	4.176	1.787	0.488	1.279	52.200
	Patterns, Relationships, and Algebraic Reasoning	08	000068	4.574	1.756	0.451	1.301	57.175
	Geometry and Spatial Reasoning	06	000068	3.162	1.502	0.428	1.136	52.700
	Concepts and Uses of Measurement	04	000068	2.176	1.050	0.265	0.900	54.400
	Probability and Statistics	06	000068	3.515	1.387	0.338	1.129	58.583
	Mathematical Processes and Tools	08	000068	4.456	1.856	0.549	1.246	55.700
Social Studies	COMPLETE SUBTEST	38	000054	23.241	6.726	0.834	2.740	61.160
	Issues and Events in U.S. History	10	000054	5.593	2.070	0.501	1.462	55.930
	Geographic Influences on History	05	000054	2.963	1.373	0.471	0.999	59.260
	Economic and Social Influences on History	07	000054	4.852	1.547	0.466	1.130	69.314
	Political Influences on History	10	000054	5.463	2.424	0.652	1.430	54.630
	Critical-Thinking Skills	06	000054	4.370	1.391	0.515	0.969	72.833
Science	COMPLETE SUBTEST	40	000065	26.077	6.465	0.820	2.743	65.192
	Nature of Science	11	000065	7.415	2.150	0.569	1.411	67.409
	Life Systems and the Environment	10	000065	6.923	2.182	0.630	1.327	69.230
	Structures and Properties of Matter	05	000065	3.308	1.103	0.138	1.024	66.160
	Motion, Forces, and Energy	05	000065	2.492	1.359	0.455	1.003	49.840
	Earth and Space Systems	09	000065	5.938	1.870	0.535	1.275	65.977

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only



**Grade 08 TAKS-M (Spring 2009) White Only**

<b>Subject</b>	<b>Test Objective</b>	<b>K<sup>1</sup></b>	<b>N</b>	<b>Mean</b>	<b>SD</b>	<b>Alpha<sup>2</sup></b>	<b>SEM</b>	<b>Mean<sup>3</sup> P-Value</b>
Reading	COMPLETE SUBTEST	38	003612	27.416	7.212	0.884	2.456	72.147
	Basic Understanding	10	003612	7.767	2.120	0.692	1.177	77.670
	Applying Knowledge of Literary Elements	08	003612	5.944	1.769	0.602	1.116	74.300
	Using Strategies to Analyze	08	003612	5.917	1.836	0.654	1.080	73.962
	Applying Critical-Thinking Skills	12	003612	7.787	2.627	0.677	1.493	64.891
Mathematics	COMPLETE SUBTEST	40	004511	22.327	6.438	0.797	2.901	55.817
	Numbers, Operations, and Quantitative Reasoning	08	004511	4.277	1.803	0.480	1.300	53.462
	Patterns, Relationships, and Algebraic Reasoning	08	004511	4.840	1.756	0.458	1.293	60.500
	Geometry and Spatial Reasoning	06	004511	3.282	1.422	0.352	1.145	54.700
	Concepts and Uses of Measurement	04	004511	2.149	1.123	0.334	0.916	53.725
	Probability and Statistics	06	004511	3.436	1.349	0.305	1.125	57.266
	Mathematical Processes and Tools	08	004511	4.343	1.741	0.469	1.269	54.287
Social Studies	COMPLETE SUBTEST	38	004063	23.977	6.896	0.845	2.715	63.097
	Issues and Events in U.S. History	10	004063	5.555	2.288	0.615	1.420	55.550
	Geographic Influences on History	05	004063	3.365	1.325	0.474	0.961	67.300
	Economic and Social Influences on History	07	004063	4.686	1.611	0.483	1.158	66.942
	Political Influences on History	10	004063	5.897	2.239	0.588	1.437	58.970
	Critical-Thinking Skills	06	004063	4.474	1.405	0.531	0.962	74.566
Science	COMPLETE SUBTEST	40	004336	26.301	6.624	0.829	2.739	65.752
	Nature of Science	11	004336	7.386	2.210	0.602	1.394	67.145
	Life Systems and the Environment	10	004336	6.973	2.113	0.605	1.328	69.730
	Structures and Properties of Matter	05	004336	3.269	1.239	0.354	0.996	65.380
	Motion, Forces, and Energy	05	004336	2.735	1.318	0.380	1.038	54.700
	Earth and Space Systems	09	004336	5.938	1.748	0.440	1.308	65.977

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

### Grade 09 TAKS-M (Spring 2009) Total Group

<b>Subject</b>	<b>Test Objective</b>	<b>K<sup>1</sup></b>	<b>N</b>	<b>Mean</b>	<b>SD</b>	<b>Alpha<sup>2</sup></b>	<b>SEM</b>	<b>Mean<sup>3</sup> P-Value</b>
Reading	COMPLETE SUBTEST	30	013834	21.143	6.066	0.867	2.212	70.476
	Basic Understanding	08	013834	6.021	1.831	0.664	1.061	75.262
	Literary Elements and Techniques	11	013834	7.241	2.544	0.687	1.423	65.827
	Analysis and Evaluation	11	013834	7.881	2.472	0.716	1.317	71.645
Mathematics	COMPLETE SUBTEST	42	016051	19.466	5.713	0.714	3.055	46.347
	Functional Relationships	05	016051	2.147	1.105	0.076	1.062	42.940
	Properties and Attributes of Functions	04	016051	1.863	1.115	0.296	0.936	46.575
	Linear Functions	04	016051	1.560	1.092	0.342	0.886	39.000
	Linear Equations and Inequalities	04	016051	1.997	1.058	0.148	0.977	49.925
	Quadratic and Other Nonlinear Functions	03	016051	1.329	0.887	0.158	0.814	44.300
	Geometric Relationships and Spatial Reasoning	03	016051	1.493	0.933	0.221	0.823	49.766
	Two- and Three-Dimensional Representations	03	016051	1.699	0.795	0.031	0.783	56.633
	Measurement and Similarity	05	016051	1.963	1.216	0.251	1.052	39.260
	Percents/Proportions/Probability/Statistics	04	016051	1.842	1.016	0.168	0.927	46.050
	Mathematical Processes and Tools	07	016051	3.571	1.613	0.387	1.263	51.014

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

### Grade 09 TAKS-M (Spring 2009) Female Only

<b>Subject</b>	<b>Test Objective</b>	<b>K<sup>1</sup></b>	<b>N</b>	<b>Mean</b>	<b>SD</b>	<b>Alpha<sup>2</sup></b>	<b>SEM</b>	<b>Mean<sup>3</sup> P-Value</b>
Reading	COMPLETE SUBTEST	30	004323	21.641	5.796	0.858	2.184	72.136
	Basic Understanding	08	004323	6.194	1.737	0.641	1.041	77.425
	Literary Elements and Techniques	11	004323	7.459	2.458	0.672	1.408	67.809
	Analysis and Evaluation	11	004323	7.988	2.398	0.705	1.302	72.618
Mathematics	COMPLETE SUBTEST	42	005492	19.816	5.661	0.711	3.043	47.180
	Functional Relationships	05	005492	2.173	1.105	0.082	1.059	43.460
	Properties and Attributes of Functions	04	005492	1.947	1.128	0.312	0.936	48.675
	Linear Functions	04	005492	1.567	1.096	0.365	0.873	39.175
	Linear Equations and Inequalities	04	005492	2.046	1.062	0.159	0.974	51.150
	Quadratic and Other Nonlinear Functions	03	005492	1.351	0.892	0.183	0.806	45.033
	Geometric Relationships and Spatial Reasoning	03	005492	1.544	0.932	0.218	0.824	51.466
	Two- and Three-Dimensional Representations	03	005492	1.697	0.769	0.013	0.764	56.566
	Measurement and Similarity	05	005492	1.953	1.219	0.271	1.041	39.060
	Percents/Proportions/Probability/Statistics	04	005492	1.827	0.998	0.129	0.931	45.675
	Mathematical Processes and Tools	07	005492	3.712	1.596	0.371	1.266	53.028

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

### Grade 09 TAKS-M (Spring 2009) Male Only

<b>Subject</b>	<b>Test Objective</b>	<b>K<sup>1</sup></b>	<b>N</b>	<b>Mean</b>	<b>SD</b>	<b>Alpha<sup>2</sup></b>	<b>SEM</b>	<b>Mean<sup>3</sup> P-Value</b>
Reading	COMPLETE SUBTEST	30	009486	20.914	6.173	0.870	2.226	69.713
	Basic Understanding	08	009486	5.941	1.868	0.671	1.071	74.262
	Literary Elements and Techniques	11	009486	7.141	2.575	0.691	1.431	64.918
	Analysis and Evaluation	11	009486	7.831	2.504	0.721	1.323	71.190
Mathematics	COMPLETE SUBTEST	42	010531	19.285	5.732	0.715	3.060	45.916
	Functional Relationships	05	010531	2.133	1.105	0.073	1.064	42.660
	Properties and Attributes of Functions	04	010531	1.820	1.106	0.282	0.937	45.500
	Linear Functions	04	010531	1.557	1.090	0.331	0.892	38.925
	Linear Equations and Inequalities	04	010531	1.972	1.055	0.146	0.975	49.300
	Quadratic and Other Nonlinear Functions	03	010531	1.319	0.884	0.144	0.818	43.966
	Geometric Relationships and Spatial Reasoning	03	010531	1.467	0.933	0.217	0.826	48.900
	Two- and Three-Dimensional Representations	03	010531	1.700	0.808	0.046	0.789	56.666
	Measurement and Similarity	05	010531	1.969	1.215	0.245	1.056	39.380
	Percents/Proportions/Probability/Statistics	04	010531	1.850	1.025	0.188	0.924	46.250
	Mathematical Processes and Tools	07	010531	3.499	1.618	0.394	1.260	49.985

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

**Grade 09 TAKS-M (Spring 2009) African American Only**

<b>Subject</b>	<b>Test Objective</b>	<b>K<sup>1</sup></b>	<b>N</b>	<b>Mean</b>	<b>SD</b>	<b>Alpha<sup>2</sup></b>	<b>SEM</b>	<b>Mean<sup>3</sup> P-Value</b>
Reading	COMPLETE SUBTEST	30	003548	20.968	6.039	0.864	2.227	69.893
	Basic Understanding	08	003548	5.984	1.828	0.659	1.067	74.800
	Literary Elements and Techniques	11	003548	7.189	2.566	0.689	1.431	65.354
	Analysis and Evaluation	11	003548	7.795	2.437	0.702	1.330	70.863
Mathematics	COMPLETE SUBTEST	42	004005	18.442	5.351	0.675	3.051	43.909
	Functional Relationships	05	004005	2.093	1.105	0.076	1.062	41.860
	Properties and Attributes of Functions	04	004005	1.752	1.094	0.273	0.933	43.800
	Linear Functions	04	004005	1.414	1.045	0.303	0.872	35.350
	Linear Equations and Inequalities	04	004005	1.925	1.070	0.173	0.973	48.125
	Quadratic and Other Nonlinear Functions	03	004005	1.248	0.864	0.098	0.821	41.600
	Geometric Relationships and Spatial Reasoning	03	004005	1.388	0.910	0.163	0.833	46.266
	Two- and Three-Dimensional Representations	03	004005	1.628	0.801	0.017	0.794	54.266
	Measurement and Similarity	05	004005	1.799	1.159	0.192	1.042	35.980
	Percents/Proportions/Probability/Statistics	04	004005	1.775	0.985	0.098	0.935	44.375
	Mathematical Processes and Tools	07	004005	3.419	1.570	0.346	1.270	48.842

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

### Grade 09 TAKS-M (Spring 2009) Asian Only

<b>Subject</b>	<b>Test Objective</b>	<b>K<sup>1</sup></b>	<b>N</b>	<b>Mean</b>	<b>SD</b>	<b>Alpha<sup>2</sup></b>	<b>SEM</b>	<b>Mean<sup>3</sup> P-Value</b>
Reading	COMPLETE SUBTEST	30	000112	20.357	6.110	0.864	2.253	67.856
	Basic Understanding	08	000112	5.848	1.923	0.686	1.078	73.100
	Literary Elements and Techniques	11	000112	6.768	2.585	0.687	1.446	61.527
	Analysis and Evaluation	11	000112	7.741	2.489	0.716	1.326	70.372
Mathematics	COMPLETE SUBTEST	42	000123	20.415	6.110	0.757	3.012	48.607
	Functional Relationships	05	000123	2.122	1.060	0.001	1.059	42.440
	Properties and Attributes of Functions	04	000123	2.098	1.097	0.258	0.945	52.450
	Linear Functions	04	000123	1.659	1.077	0.299	0.902	41.475
	Linear Equations and Inequalities	04	000123	2.049	1.047	0.131	0.976	51.225
	Quadratic and Other Nonlinear Functions	03	000123	1.504	0.853	0.017	0.846	50.133
	Geometric Relationships and Spatial Reasoning	03	000123	1.537	0.890	0.102	0.843	51.233
	Two- and Three-Dimensional Representations	03	000123	1.740	0.777	0.055	0.755	58.000
	Measurement and Similarity	05	000123	2.081	1.322	0.414	1.012	41.620
	Percents/Proportions/Probability/Statistics	04	000123	1.789	1.065	0.309	0.885	44.725
	Mathematical Processes and Tools	07	000123	3.837	1.636	0.427	1.238	54.814

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

### Grade 09 TAKS-M (Spring 2009) Hispanic Only

<b>Subject</b>	<b>Test Objective</b>	<b>K<sup>1</sup></b>	<b>N</b>	<b>Mean</b>	<b>SD</b>	<b>Alpha<sup>2</sup></b>	<b>SEM</b>	<b>Mean<sup>3</sup> P-Value</b>
Reading	COMPLETE SUBTEST	30	006777	20.601	6.044	0.860	2.261	68.670
	Basic Understanding	08	006777	5.919	1.857	0.660	1.083	73.987
	Literary Elements and Techniques	11	006777	7.072	2.525	0.673	1.444	64.290
	Analysis and Evaluation	11	006777	7.610	2.470	0.697	1.360	69.181
Mathematics	COMPLETE SUBTEST	42	007473	19.466	5.676	0.709	3.062	46.347
	Functional Relationships	05	007473	2.176	1.109	0.085	1.061	43.520
	Properties and Attributes of Functions	04	007473	1.888	1.120	0.300	0.937	47.200
	Linear Functions	04	007473	1.601	1.095	0.345	0.886	40.025
	Linear Equations and Inequalities	04	007473	1.998	1.048	0.125	0.980	49.950
	Quadratic and Other Nonlinear Functions	03	007473	1.349	0.889	0.161	0.814	44.966
	Geometric Relationships and Spatial Reasoning	03	007473	1.494	0.934	0.219	0.825	49.800
	Two- and Three-Dimensional Representations	03	007473	1.716	0.793	0.033	0.780	57.200
	Measurement and Similarity	05	007473	1.969	1.219	0.254	1.053	39.380
	Percents/Proportions/Probability/Statistics	04	007473	1.804	1.012	0.150	0.933	45.100
	Mathematical Processes and Tools	07	007473	3.470	1.596	0.370	1.267	49.571

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

**Grade 09 TAKS-M (Spring 2009) Native American Only**

<b>Subject</b>	<b>Test Objective</b>	<b>K<sup>1</sup></b>	<b>N</b>	<b>Mean</b>	<b>SD</b>	<b>Alpha<sup>2</sup></b>	<b>SEM</b>	<b>Mean<sup>3</sup> P-Value</b>
Reading	COMPLETE SUBTEST	30	000059	22.203	4.675	0.781	2.188	74.010
	Basic Understanding	08	000059	6.119	1.403	0.394	1.092	76.487
	Literary Elements and Techniques	11	000059	7.542	2.262	0.615	1.404	68.563
	Analysis and Evaluation	11	000059	8.542	1.977	0.590	1.266	77.654
Mathematics	COMPLETE SUBTEST	42	000080	19.413	5.184	0.653	3.054	46.221
	Functional Relationships	05	000080	2.175	1.016	*****	*****	43.500
	Properties and Attributes of Functions	04	000080	1.875	1.072	0.205	0.956	46.875
	Linear Functions	04	000080	1.425	1.003	0.150	0.925	35.625
	Linear Equations and Inequalities	04	000080	2.063	0.919	*****	*****	51.575
	Quadratic and Other Nonlinear Functions	03	000080	1.313	0.865	0.114	0.814	43.766
	Geometric Relationships and Spatial Reasoning	03	000080	1.350	0.813	*****	*****	45.000
	Two- and Three-Dimensional Representations	03	000080	1.750	0.755	0.055	0.734	58.333
	Measurement and Similarity	05	000080	1.888	1.201	0.246	1.043	37.760
	Percents/Proportions/Probability/Statistics	04	000080	2.013	1.130	0.421	0.860	50.325
Mathematical Processes and Tools	07	000080	3.563	1.645	0.424	1.248	50.900	

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only



### Grade 09 TAKS-M (Spring 2009) White Only

<b>Subject</b>	<b>Test Objective</b>	<b>K<sup>1</sup></b>	<b>N</b>	<b>Mean</b>	<b>SD</b>	<b>Alpha<sup>2</sup></b>	<b>SEM</b>	<b>Mean<sup>3</sup> P-Value</b>
Reading	COMPLETE SUBTEST	30	003307	22.442	5.971	0.878	2.086	74.806
	Basic Understanding	08	003307	6.270	1.763	0.674	1.007	78.375
	Literary Elements and Techniques	11	003307	7.653	2.513	0.703	1.370	69.572
	Analysis and Evaluation	11	003307	8.519	2.405	0.750	1.202	77.445
Mathematics	COMPLETE SUBTEST	42	004334	20.395	5.943	0.738	3.042	48.559
	Functional Relationships	05	004334	2.146	1.101	0.064	1.065	42.920
	Properties and Attributes of Functions	04	004334	1.919	1.121	0.303	0.936	47.975
	Linear Functions	04	004334	1.625	1.119	0.360	0.895	40.625
	Linear Equations and Inequalities	04	004334	2.060	1.063	0.169	0.969	51.500
	Quadratic and Other Nonlinear Functions	03	004334	1.367	0.899	0.189	0.810	45.566
	Geometric Relationships and Spatial Reasoning	03	004334	1.591	0.948	0.262	0.814	53.033
	Two- and Three-Dimensional Representations	03	004334	1.735	0.790	0.036	0.776	57.833
	Measurement and Similarity	05	004334	2.103	1.243	0.277	1.057	42.060
	Percents/Proportions/Probability/Statistics	04	004334	1.970	1.036	0.240	0.903	49.250
	Mathematical Processes and Tools	07	004334	3.879	1.639	0.423	1.245	55.414

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

### Grade 10 TAKS-M (Spring 2009) Total Group

<b>Subject</b>	<b>Test Objective</b>	<b>K<sup>1</sup></b>	<b>N</b>	<b>Mean</b>	<b>SD</b>	<b>Alpha<sup>2</sup></b>	<b>SEM</b>	<b>Mean<sup>3</sup> P-Value</b>	
ELA	COMPLETE SUBTEST	45	011724	26.928	7.360	0.857	2.783	70.241	
	Basic Understanding	07	011724	5.271	1.583	0.388	1.238	75.300	
	Literary Elements and Techniques	07	011724	4.839	1.677	0.458	1.235	69.128	
	Analysis and Evaluation	08	011724	5.586	1.842	0.490	1.315	69.825	
	Revising and Editing	14	011724	9.591	3.131	0.705	1.701	68.507	
Mathematics	COMPLETE SUBTEST	45	013934	20.616	6.110	0.731	3.169	45.813	
	Functional Relationships	04	013934	1.761	1.053	0.167	0.961	44.025	
	Properties and Attributes of Functions	04	013934	1.796	1.044	0.153	0.961	44.900	
	Linear Functions	04	013934	1.773	1.062	0.213	0.942	44.325	
	Linear Equations and Inequalities	04	013934	1.793	1.055	0.163	0.965	44.825	
	Quadratic and Other Nonlinear Functions	04	013934	1.707	1.015	0.097	0.965	42.675	
	Geometric Relationships and Spatial Reasoning	04	013934	1.948	1.089	0.311	0.904	48.700	
	Two- and Three-Dimensional Representations	04	013934	2.424	1.071	0.287	0.904	60.600	
	Measurement and Similarity	06	013934	2.499	1.329	0.241	1.158	41.650	
	Percents/Proportions/Probability/Statistics	04	013934	1.850	1.123	0.283	0.951	46.250	
	Mathematical Processes and Tools	07	013934	3.066	1.420	0.229	1.247	43.800	
	Social Studies	COMPLETE SUBTEST	40	010653	25.709	7.280	0.857	2.753	64.272
		Issues and Events in U.S. History	05	010653	3.205	1.241	0.356	0.996	64.100
Geographic Influences on History		10	010653	7.118	2.102	0.621	1.294	71.180	
Economic and Social Influences on History		06	010653	3.649	1.539	0.484	1.106	60.816	
Political Influences on History		09	010653	4.986	2.009	0.533	1.373	55.400	
Science	Critical-Thinking Skills	10	010653	6.751	2.375	0.690	1.322	67.510	
	COMPLETE SUBTEST	44	012291	24.937	6.724	0.790	3.081	56.675	
	Nature of Science	14	012291	8.009	2.509	0.515	1.747	57.207	
	Organization of Living Systems	09	012291	5.125	1.847	0.436	1.387	56.944	
	Interdependence of Organisms and the Environment	09	012291	5.133	2.045	0.546	1.378	57.033	
	Structures and Properties of Matter	06	012291	2.815	1.275	0.154	1.173	46.916	
Motion, Forces, and Energy	06	012291	3.854	1.516	0.491	1.082	64.233		

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

### Grade 10 TAKS-M (Spring 2009) Female Only

Subject	Test Objective	K <sup>1</sup>	N	Mean	SD	Alpha <sup>2</sup>	SEM	Mean <sup>3</sup> P-Value	
ELA	COMPLETE SUBTEST	45	003782	27.513	7.054	0.842	2.804	71.505	
	Basic Understanding	07	003782	5.344	1.472	0.260	1.266	76.342	
	Literary Elements and Techniques	07	003782	4.836	1.601	0.397	1.243	69.085	
	Analysis and Evaluation	08	003782	5.641	1.825	0.479	1.317	70.512	
	Revising and Editing	14	003782	9.922	2.991	0.676	1.703	70.871	
Mathematics	COMPLETE SUBTEST	45	004888	20.483	5.936	0.716	3.163	45.517	
	Functional Relationships	04	004888	1.764	1.042	0.145	0.963	44.100	
	Properties and Attributes of Functions	04	004888	1.756	1.039	0.146	0.960	43.900	
	Linear Functions	04	004888	1.812	1.059	0.213	0.939	45.300	
	Linear Equations and Inequalities	04	004888	1.750	1.049	0.161	0.961	43.750	
	Quadratic and Other Nonlinear Functions	04	004888	1.742	1.005	0.067	0.971	43.550	
	Geometric Relationships and Spatial Reasoning	04	004888	1.916	1.077	0.304	0.899	47.900	
	Two- and Three-Dimensional Representations	04	004888	2.399	1.056	0.266	0.905	59.975	
	Measurement and Similarity	06	004888	2.500	1.316	0.233	1.153	41.666	
	Percents/Proportions/Probability/Statistics	04	004888	1.762	1.107	0.260	0.952	44.050	
	Mathematical Processes and Tools	07	004888	3.081	1.371	0.173	1.247	44.014	
	Social Studies	COMPLETE SUBTEST	40	003525	25.128	6.748	0.826	2.815	62.820
		Issues and Events in U.S. History	05	003525	3.191	1.225	0.317	1.012	63.820
Geographic Influences on History		10	003525	6.891	2.011	0.557	1.338	68.910	
Economic and Social Influences on History		06	003525	3.576	1.493	0.436	1.121	59.600	
Political Influences on History		09	003525	4.840	1.908	0.473	1.385	53.777	
Critical-Thinking Skills		10	003525	6.630	2.305	0.655	1.354	66.300	
Science	COMPLETE SUBTEST	44	004251	24.474	6.334	0.761	3.097	55.622	
	Nature of Science	14	004251	7.801	2.381	0.452	1.763	55.721	
	Organization of Living Systems	09	004251	5.110	1.804	0.404	1.393	56.777	
	Interdependence of Organisms and the Environment	09	004251	4.909	1.972	0.497	1.399	54.544	
	Structures and Properties of Matter	06	004251	2.781	1.243	0.110	1.173	46.350	
	Motion, Forces, and Energy	06	004251	3.874	1.504	0.486	1.078	64.566	

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

### Grade 10 TAKS-M (Spring 2009) Male Only

<b>Subject</b>	<b>Test Objective</b>	<b>K<sup>1</sup></b>	<b>N</b>	<b>Mean</b>	<b>SD</b>	<b>Alpha<sup>2</sup></b>	<b>SEM</b>	<b>Mean<sup>3</sup> P-Value</b>	
ELA	COMPLETE SUBTEST	45	007932	26.650	7.486	0.863	2.771	69.644	
	Basic Understanding	07	007932	5.236	1.633	0.439	1.223	74.800	
	Literary Elements and Techniques	07	007932	4.841	1.712	0.487	1.226	69.157	
	Analysis and Evaluation	08	007932	5.559	1.851	0.497	1.313	69.487	
	Revising and Editing	14	007932	9.435	3.182	0.715	1.699	67.392	
Mathematics	COMPLETE SUBTEST	45	009028	20.695	6.204	0.739	3.170	45.988	
	Functional Relationships	04	009028	1.760	1.059	0.176	0.961	44.000	
	Properties and Attributes of Functions	04	009028	1.817	1.046	0.161	0.958	45.425	
	Linear Functions	04	009028	1.753	1.063	0.212	0.944	43.825	
	Linear Equations and Inequalities	04	009028	1.817	1.058	0.167	0.966	45.425	
	Quadratic and Other Nonlinear Functions	04	009028	1.688	1.019	0.112	0.960	42.200	
	Geometric Relationships and Spatial Reasoning	04	009028	1.966	1.096	0.317	0.906	49.150	
	Two- and Three-Dimensional Representations	04	009028	2.438	1.079	0.301	0.902	60.950	
	Measurement and Similarity	06	009028	2.498	1.337	0.248	1.159	41.633	
	Percents/Proportions/Probability/Statistics	04	009028	1.900	1.129	0.292	0.950	47.500	
	Mathematical Processes and Tools	07	009028	3.059	1.446	0.259	1.245	43.700	
	Social Studies	COMPLETE SUBTEST	40	007119	25.996	7.511	0.869	2.719	64.990
		Issues and Events in U.S. History	05	007119	3.212	1.249	0.379	0.984	64.240
Geographic Influences on History		10	007119	7.230	2.136	0.647	1.269	72.300	
Economic and Social Influences on History		06	007119	3.686	1.560	0.505	1.098	61.433	
Political Influences on History		09	007119	5.059	2.053	0.557	1.366	56.211	
Critical-Thinking Skills		10	007119	6.810	2.406	0.706	1.305	68.100	
Science	COMPLETE SUBTEST	44	008026	25.185	6.908	0.803	3.066	57.238	
	Nature of Science	14	008026	8.121	2.566	0.543	1.735	58.007	
	Organization of Living Systems	09	008026	5.134	1.868	0.452	1.383	57.044	
	Interdependence of Organisms and the Environment	09	008026	5.252	2.073	0.566	1.366	58.355	
	Structures and Properties of Matter	06	008026	2.834	1.291	0.177	1.171	47.233	
	Motion, Forces, and Energy	06	008026	3.845	1.522	0.498	1.078	64.083	

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

### Grade 10 TAKS-M (Spring 2009) African American Only

<b>Subject</b>	<b>Test Objective</b>	<b>K<sup>1</sup></b>	<b>N</b>	<b>Mean</b>	<b>SD</b>	<b>Alpha<sup>2</sup></b>	<b>SEM</b>	<b>Mean<sup>3</sup> P-Value</b>	
ELA	COMPLETE SUBTEST	45	002912	26.357	7.495	0.864	2.764	68.866	
	Basic Understanding	07	002912	5.186	1.629	0.429	1.231	74.085	
	Literary Elements and Techniques	07	002912	4.770	1.694	0.471	1.232	68.142	
	Analysis and Evaluation	08	002912	5.485	1.861	0.506	1.308	68.562	
	Revising and Editing	14	002912	9.352	3.161	0.716	1.685	66.800	
Mathematics	COMPLETE SUBTEST	45	003408	19.454	5.678	0.687	3.177	43.231	
	Functional Relationships	04	003408	1.672	1.036	0.138	0.962	41.800	
	Properties and Attributes of Functions	04	003408	1.710	1.039	0.141	0.963	42.750	
	Linear Functions	04	003408	1.709	1.051	0.192	0.945	42.725	
	Linear Equations and Inequalities	04	003408	1.704	1.020	0.103	0.966	42.600	
	Quadratic and Other Nonlinear Functions	04	003408	1.626	1.012	0.103	0.958	40.650	
	Geometric Relationships and Spatial Reasoning	04	003408	1.758	1.075	0.274	0.916	43.950	
	Two- and Three-Dimensional Representations	04	003408	2.240	1.065	0.261	0.916	56.000	
	Measurement and Similarity	06	003408	2.417	1.302	0.208	1.159	40.283	
	Percents/Proportions/Probability/Statistics	04	003408	1.738	1.101	0.255	0.950	43.450	
	Mathematical Processes and Tools	07	003408	2.882	1.355	0.154	1.246	41.171	
	Social Studies	COMPLETE SUBTEST	40	002728	24.773	7.314	0.854	2.795	61.932
		Issues and Events in U.S. History	05	002728	3.144	1.250	0.355	1.004	62.880
Geographic Influences on History		10	002728	6.844	2.119	0.607	1.328	68.440	
Economic and Social Influences on History		06	002728	3.545	1.550	0.485	1.112	59.083	
Political Influences on History		09	002728	4.845	2.004	0.527	1.378	53.833	
Critical-Thinking Skills		10	002728	6.396	2.437	0.689	1.359	63.960	
Science	COMPLETE SUBTEST	44	003023	23.741	6.411	0.764	3.114	53.956	
	Nature of Science	14	003023	7.618	2.468	0.486	1.769	54.414	
	Organization of Living Systems	09	003023	4.972	1.793	0.390	1.400	55.244	
	Interdependence of Organisms and the Environment	09	003023	4.761	1.969	0.490	1.406	52.900	
	Structures and Properties of Matter	06	003023	2.680	1.265	0.143	1.171	44.666	
	Motion, Forces, and Energy	06	003023	3.710	1.510	0.465	1.104	61.833	

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

### Grade 10 TAKS-M (Spring 2009) Asian Only

Subject	Test Objective	K <sup>1</sup>	N	Mean	SD	Alpha <sup>2</sup>	SEM	Mean <sup>3</sup> P-Value	
ELA	COMPLETE SUBTEST	45	000119	26.168	8.070	0.886	2.725	68.325	
	Basic Understanding	07	000119	4.882	1.693	0.492	1.207	69.742	
	Literary Elements and Techniques	07	000119	4.588	1.704	0.504	1.200	65.542	
	Analysis and Evaluation	08	000119	5.269	1.969	0.585	1.268	65.862	
	Revising and Editing	14	000119	9.857	3.315	0.746	1.671	70.407	
Mathematics	COMPLETE SUBTEST	45	000121	20.661	6.319	0.749	3.166	45.913	
	Functional Relationships	04	000121	1.835	0.943	*****	*****	45.875	
	Properties and Attributes of Functions	04	000121	1.769	1.167	0.406	0.899	44.225	
	Linear Functions	04	000121	1.818	1.041	0.149	0.960	45.450	
	Linear Equations and Inequalities	04	000121	1.860	1.011	0.104	0.957	46.500	
	Quadratic and Other Nonlinear Functions	04	000121	1.686	0.975	*****	*****	42.150	
	Geometric Relationships and Spatial Reasoning	04	000121	2.008	1.144	0.378	0.902	50.200	
	Two- and Three-Dimensional Representations	04	000121	2.264	1.116	0.340	0.907	56.600	
	Measurement and Similarity	06	000121	2.512	1.342	0.259	1.155	41.866	
	Percents/Proportions/Probability/Statistics	04	000121	1.785	1.112	0.274	0.947	44.625	
	Mathematical Processes and Tools	07	000121	3.124	1.418	0.215	1.256	44.628	
	Social Studies	COMPLETE SUBTEST	40	000099	24.838	7.442	0.863	2.755	62.095
		Issues and Events in U.S. History	05	000099	3.172	1.415	0.555	0.944	63.440
Geographic Influences on History		10	000099	6.838	2.226	0.653	1.311	68.380	
Economic and Social Influences on History		06	000099	3.293	1.592	0.524	1.098	54.883	
Political Influences on History		09	000099	4.788	1.934	0.496	1.373	53.200	
Critical-Thinking Skills		10	000099	6.747	2.370	0.698	1.302	67.470	
Science	COMPLETE SUBTEST	44	000111	25.027	6.322	0.762	3.084	56.879	
	Nature of Science	14	000111	8.063	2.313	0.428	1.749	57.592	
	Organization of Living Systems	09	000111	5.432	1.720	0.343	1.394	60.355	
	Interdependence of Organisms and the Environment	09	000111	4.919	2.032	0.525	1.400	54.655	
	Structures and Properties of Matter	06	000111	2.676	1.259	0.155	1.157	44.600	
	Motion, Forces, and Energy	06	000111	3.937	1.614	0.585	1.040	65.616	

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

### Grade 10 TAKS-M (Spring 2009) Hispanic Only

<b>Subject</b>	<b>Test Objective</b>	<b>K<sup>1</sup></b>	<b>N</b>	<b>Mean</b>	<b>SD</b>	<b>Alpha<sup>2</sup></b>	<b>SEM</b>	<b>Mean<sup>3</sup> P-Value</b>	
ELA	COMPLETE SUBTEST	45	005245	26.355	7.335	0.856	2.783	68.572	
	Basic Understanding	07	005245	5.206	1.620	0.428	1.225	74.371	
	Literary Elements and Techniques	07	005245	4.692	1.669	0.447	1.241	67.028	
	Analysis and Evaluation	08	005245	5.411	1.857	0.500	1.313	67.637	
	Revising and Editing	14	005245	9.377	3.090	0.698	1.698	66.978	
Mathematics	COMPLETE SUBTEST	45	006021	20.913	6.146	0.735	3.164	46.473	
	Functional Relationships	04	006021	1.796	1.054	0.172	0.959	44.900	
	Properties and Attributes of Functions	04	006021	1.812	1.037	0.138	0.963	45.300	
	Linear Functions	04	006021	1.849	1.068	0.231	0.937	46.225	
	Linear Equations and Inequalities	04	006021	1.819	1.070	0.190	0.963	45.475	
	Quadratic and Other Nonlinear Functions	04	006021	1.754	1.018	0.098	0.967	43.850	
	Geometric Relationships and Spatial Reasoning	04	006021	1.978	1.085	0.315	0.898	49.450	
	Two- and Three-Dimensional Representations	04	006021	2.447	1.055	0.271	0.901	61.175	
	Measurement and Similarity	06	006021	2.529	1.335	0.247	1.158	42.150	
	Percents/Proportions/Probability/Statistics	04	006021	1.842	1.116	0.270	0.954	46.050	
	Mathematical Processes and Tools	07	006021	3.089	1.437	0.249	1.245	44.128	
	Social Studies	COMPLETE SUBTEST	40	004767	25.447	7.130	0.848	2.780	63.617
		Issues and Events in U.S. History	05	004767	3.173	1.237	0.341	1.004	63.460
Geographic Influences on History		10	004767	7.033	2.064	0.597	1.310	70.330	
Economic and Social Influences on History		06	004767	3.590	1.514	0.453	1.120	59.833	
Political Influences on History		09	004767	4.919	1.979	0.511	1.384	54.655	
Critical-Thinking Skills		10	004767	6.733	2.339	0.676	1.331	67.330	
Science	COMPLETE SUBTEST	44	005488	24.386	6.487	0.771	3.104	55.422	
	Nature of Science	14	005488	7.870	2.439	0.482	1.755	56.214	
	Organization of Living Systems	09	005488	4.921	1.837	0.417	1.403	54.677	
	Interdependence of Organisms and the Environment	09	005488	4.977	1.999	0.514	1.394	55.300	
	Structures and Properties of Matter	06	005488	2.777	1.264	0.134	1.176	46.283	
	Motion, Forces, and Energy	06	005488	3.840	1.516	0.489	1.084	64.000	

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

### Grade 10 TAKS-M (Spring 2009) Native American Only

Subject	Test Objective	K <sup>1</sup>	N	Mean	SD	Alpha <sup>2</sup>	SEM	Mean <sup>3</sup> P-Value	
ELA	COMPLETE SUBTEST	45	000061	28.656	7.355	0.859	2.762	74.863	
	Basic Understanding	07	000061	5.393	1.656	0.463	1.214	77.042	
	Literary Elements and Techniques	07	000061	5.361	1.426	0.233	1.249	76.585	
	Analysis and Evaluation	08	000061	5.918	1.706	0.392	1.330	73.975	
	Revising and Editing	14	000061	10.279	3.387	0.757	1.670	73.421	
Mathematics	COMPLETE SUBTEST	45	000077	20.351	5.360	0.651	3.166	45.224	
	Functional Relationships	04	000077	1.727	1.008	0.059	0.978	43.175	
	Properties and Attributes of Functions	04	000077	1.818	0.928	*****	*****	45.450	
	Linear Functions	04	000077	1.675	1.057	0.259	0.910	41.875	
	Linear Equations and Inequalities	04	000077	1.844	1.077	0.220	0.951	46.100	
	Quadratic and Other Nonlinear Functions	04	000077	1.584	1.004	0.141	0.931	39.600	
	Geometric Relationships and Spatial Reasoning	04	000077	1.792	1.055	0.195	0.947	44.800	
	Two- and Three-Dimensional Representations	04	000077	2.519	1.046	0.269	0.894	62.975	
	Measurement and Similarity	06	000077	2.299	1.226	0.105	1.160	38.316	
	Percents/Proportions/Probability/Statistics	04	000077	1.844	1.182	0.385	0.927	46.100	
	Mathematical Processes and Tools	07	000077	3.247	1.369	0.211	1.216	46.385	
	Social Studies	COMPLETE SUBTEST	40	000058	26.879	7.162	0.862	2.661	67.197
		Issues and Events in U.S. History	05	000058	3.397	1.123	0.282	0.952	67.940
Geographic Influences on History		10	000058	7.672	1.820	0.550	1.221	76.720	
Economic and Social Influences on History		06	000058	3.897	1.630	0.593	1.040	64.950	
Political Influences on History		09	000058	5.190	2.196	0.646	1.307	57.666	
Critical-Thinking Skills		10	000058	6.724	2.491	0.730	1.294	67.240	
Science	COMPLETE SUBTEST	44	000065	26.308	6.369	0.774	3.028	59.790	
	Nature of Science	14	000065	8.646	2.540	0.557	1.691	61.757	
	Organization of Living Systems	09	000065	5.323	1.821	0.443	1.359	59.144	
	Interdependence of Organisms and the Environment	09	000065	5.369	1.925	0.494	1.369	59.655	
	Structures and Properties of Matter	06	000065	3.000	1.335	0.280	1.133	50.000	
	Motion, Forces, and Energy	06	000065	3.969	1.510	0.512	1.055	66.150	

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only



### Grade 10 TAKS-M (Spring 2009) White Only

<b>Subject</b>	<b>Test Objective</b>	<b>K<sup>1</sup></b>	<b>N</b>	<b>Mean</b>	<b>SD</b>	<b>Alpha<sup>2</sup></b>	<b>SEM</b>	<b>Mean<sup>3</sup> P-Value</b>	
ELA	COMPLETE SUBTEST	45	003366	28.316	7.069	0.844	2.792	74.033	
	Basic Understanding	07	003366	5.457	1.462	0.259	1.259	77.957	
	Literary Elements and Techniques	07	003366	5.130	1.641	0.449	1.218	73.285	
	Analysis and Evaluation	08	003366	5.953	1.747	0.425	1.325	74.412	
	Revising and Editing	14	003366	10.112	3.092	0.690	1.722	72.228	
Mathematics	COMPLETE SUBTEST	45	004269	21.144	6.286	0.747	3.162	46.986	
	Functional Relationships	04	004269	1.781	1.066	0.187	0.961	44.525	
	Properties and Attributes of Functions	04	004269	1.843	1.053	0.181	0.953	46.075	
	Linear Functions	04	004269	1.719	1.057	0.200	0.945	42.975	
	Linear Equations and Inequalities	04	004269	1.828	1.063	0.175	0.966	45.700	
	Quadratic and Other Nonlinear Functions	04	004269	1.709	1.012	0.094	0.963	42.725	
	Geometric Relationships and Spatial Reasoning	04	004269	2.060	1.089	0.318	0.899	51.500	
	Two- and Three-Dimensional Representations	04	004269	2.543	1.077	0.313	0.893	63.575	
	Measurement and Similarity	06	004269	2.527	1.342	0.259	1.155	42.116	
	Percents/Proportions/Probability/Statistics	04	004269	1.954	1.143	0.317	0.945	48.850	
	Mathematical Processes and Tools	07	004269	3.180	1.432	0.244	1.245	45.428	
	Social Studies	COMPLETE SUBTEST	40	002975	27.016	7.284	0.866	2.666	67.540
		Issues and Events in U.S. History	05	002975	3.313	1.227	0.373	0.972	66.260
Geographic Influences on History		10	002975	7.508	2.085	0.653	1.228	75.080	
Economic and Social Influences on History		06	002975	3.851	1.544	0.512	1.079	64.183	
Political Influences on History		09	002975	5.232	2.038	0.562	1.349	58.133	
Critical-Thinking Skills		10	002975	7.113	2.315	0.699	1.270	71.130	
Science	COMPLETE SUBTEST	44	003571	26.787	6.975	0.815	3.000	60.879	
	Nature of Science	14	003571	8.545	2.565	0.557	1.707	61.035	
	Organization of Living Systems	09	003571	5.557	1.835	0.462	1.346	61.744	
	Interdependence of Organisms and the Environment	09	003571	5.696	2.066	0.592	1.320	63.288	
	Structures and Properties of Matter	06	003571	2.991	1.281	0.174	1.164	49.850	
	Motion, Forces, and Energy	06	003571	3.998	1.506	0.507	1.057	66.633	

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

### Grade 11 TAKS-M (Spring 2009) Total Group

Subject	Test Objective	K <sup>1</sup>	N	Mean	SD	Alpha <sup>2</sup>	SEM	Mean <sup>3</sup> P-Value	
ELA	COMPLETE SUBTEST	45	010738	28.868	7.629	0.873	2.719	75.400	
	Basic Understanding	07	010738	5.581	1.629	0.416	1.245	79.728	
	Literary Elements and Techniques	07	010738	5.539	1.694	0.507	1.189	79.128	
	Analysis and Evaluation	08	010738	6.377	1.745	0.438	1.308	79.712	
	Revising and Editing	14	010738	9.647	3.133	0.723	1.649	68.907	
Mathematics	COMPLETE SUBTEST	48	013214	23.251	6.410	0.740	3.268	48.439	
	Functional Relationships	04	013214	2.132	1.120	0.304	0.934	53.300	
	Properties and Attributes of Functions	04	013214	2.129	1.068	0.217	0.945	53.225	
	Linear Functions	04	013214	1.952	1.015	0.131	0.946	48.800	
	Linear Equations and Inequalities	04	013214	1.957	1.042	0.178	0.945	48.925	
	Quadratic and Other Nonlinear Functions	04	013214	1.991	1.121	0.307	0.933	49.775	
	Geometric Relationships and Spatial Reasoning	06	013214	2.497	1.306	0.203	1.166	41.616	
	Two- and Three-Dimensional Representations	06	013214	2.766	1.432	0.412	1.098	46.100	
	Measurement and Similarity	06	013214	3.281	1.289	0.178	1.169	54.683	
	Percents/Proportions/Probability/Statistics	04	013214	1.960	1.050	0.172	0.955	49.000	
	Mathematical Processes and Tools	06	013214	2.586	1.298	0.190	1.168	43.100	
	Social Studies	COMPLETE SUBTEST	44	010117	26.359	7.861	0.856	2.983	59.906
		Issues and Events in U.S. History	10	010117	5.535	2.122	0.518	1.473	55.350
Geographic Influences on History		07	010117	4.432	1.657	0.502	1.169	63.314	
Economic and Social Influences on History		10	010117	5.631	2.280	0.610	1.424	56.310	
Political Influences on History		07	010117	3.970	1.686	0.478	1.218	56.714	
Critical-Thinking Skills		10	010117	6.790	2.239	0.642	1.340	67.900	
Science	COMPLETE SUBTEST	44	011951	24.647	6.403	0.776	3.030	56.015	
	Nature of Science	14	011951	7.505	2.456	0.508	1.723	53.607	
	Organization of Living Systems	06	011951	3.754	1.333	0.324	1.096	62.566	
	Interdependence of Organisms and the Environment	06	011951	3.664	1.464	0.438	1.098	61.066	
	Structures and Properties of Matter	09	011951	4.689	1.751	0.377	1.382	52.100	
	Motion, Forces, and Energy	09	011951	5.035	1.761	0.393	1.372	55.944	

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

### Grade 11 TAKS-M (Spring 2009) Female Only

<b>Subject</b>	<b>Test Objective</b>	<b>K<sup>1</sup></b>	<b>N</b>	<b>Mean</b>	<b>SD</b>	<b>Alpha<sup>2</sup></b>	<b>SEM</b>	<b>Mean<sup>3</sup> P-Value</b>	
ELA	COMPLETE SUBTEST	45	003493	29.317	7.503	0.869	2.716	76.288	
	Basic Understanding	07	003493	5.672	1.603	0.399	1.243	81.028	
	Literary Elements and Techniques	07	003493	5.622	1.658	0.476	1.200	80.314	
	Analysis and Evaluation	08	003493	6.474	1.708	0.410	1.312	80.925	
	Revising and Editing	14	003493	9.697	3.056	0.712	1.640	69.264	
Mathematics	COMPLETE SUBTEST	48	004694	22.766	6.184	0.720	3.272	47.429	
	Functional Relationships	04	004694	2.151	1.126	0.323	0.926	53.775	
	Properties and Attributes of Functions	04	004694	2.184	1.058	0.209	0.941	54.600	
	Linear Functions	04	004694	1.923	1.005	0.104	0.951	48.075	
	Linear Equations and Inequalities	04	004694	2.040	1.043	0.188	0.940	51.000	
	Quadratic and Other Nonlinear Functions	04	004694	2.006	1.115	0.299	0.934	50.150	
	Geometric Relationships and Spatial Reasoning	06	004694	2.363	1.287	0.181	1.165	39.383	
	Two- and Three-Dimensional Representations	06	004694	2.631	1.424	0.396	1.107	43.850	
	Measurement and Similarity	06	004694	3.145	1.274	0.142	1.180	52.416	
	Percents/Proportions/Probability/Statistics	04	004694	1.875	1.047	0.164	0.957	46.875	
	Mathematical Processes and Tools	06	004694	2.448	1.248	0.140	1.157	40.800	
	Social Studies	COMPLETE SUBTEST	44	003489	25.129	7.289	0.826	3.040	57.111
		Issues and Events in U.S. History	10	003489	5.173	2.003	0.439	1.500	51.730
Geographic Influences on History		07	003489	4.122	1.585	0.410	1.217	58.885	
Economic and Social Influences on History		10	003489	5.325	2.204	0.570	1.445	53.250	
Political Influences on History		07	003489	3.879	1.665	0.454	1.230	55.414	
Critical-Thinking Skills		10	003489	6.630	2.141	0.594	1.364	66.300	
Science	COMPLETE SUBTEST	44	004227	23.987	5.921	0.735	3.048	54.515	
	Nature of Science	14	004227	7.423	2.366	0.474	1.716	53.021	
	Organization of Living Systems	06	004227	3.656	1.302	0.264	1.117	60.933	
	Interdependence of Organisms and the Environment	06	004227	3.457	1.418	0.372	1.124	57.616	
	Structures and Properties of Matter	09	004227	4.611	1.716	0.349	1.385	51.233	
	Motion, Forces, and Energy	09	004227	4.841	1.647	0.294	1.384	53.788	

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

### Grade 11 TAKS-M (Spring 2009) Male Only

<b>Subject</b>	<b>Test Objective</b>	<b>K<sup>1</sup></b>	<b>N</b>	<b>Mean</b>	<b>SD</b>	<b>Alpha<sup>2</sup></b>	<b>SEM</b>	<b>Mean<sup>3</sup> P-Value</b>	
ELA	COMPLETE SUBTEST	45	007231	28.649	7.679	0.875	2.715	74.963	
	Basic Understanding	07	007231	5.536	1.640	0.425	1.244	79.085	
	Literary Elements and Techniques	07	007231	5.499	1.709	0.522	1.182	78.557	
	Analysis and Evaluation	08	007231	6.329	1.761	0.451	1.305	79.112	
	Revising and Editing	14	007231	9.623	3.169	0.728	1.653	68.735	
Mathematics	COMPLETE SUBTEST	48	008498	23.520	6.516	0.749	3.265	49.000	
	Functional Relationships	04	008498	2.121	1.117	0.295	0.938	53.025	
	Properties and Attributes of Functions	04	008498	2.100	1.073	0.223	0.946	52.500	
	Linear Functions	04	008498	1.969	1.019	0.147	0.941	49.225	
	Linear Equations and Inequalities	04	008498	1.912	1.038	0.171	0.945	47.800	
	Quadratic and Other Nonlinear Functions	04	008498	1.982	1.124	0.311	0.933	49.550	
	Geometric Relationships and Spatial Reasoning	06	008498	2.570	1.310	0.209	1.165	42.833	
	Two- and Three-Dimensional Representations	06	008498	2.840	1.431	0.420	1.090	47.333	
	Measurement and Similarity	06	008498	3.356	1.292	0.190	1.163	55.933	
	Percents/Proportions/Probability/Statistics	04	008498	2.006	1.048	0.176	0.951	50.150	
	Mathematical Processes and Tools	06	008498	2.663	1.318	0.209	1.172	44.383	
	Social Studies	COMPLETE SUBTEST	44	006611	27.004	8.073	0.867	2.944	61.372
		Issues and Events in U.S. History	10	006611	5.726	2.158	0.544	1.457	57.260
Geographic Influences on History		07	006611	4.594	1.671	0.531	1.144	65.628	
Economic and Social Influences on History		10	006611	5.792	2.303	0.625	1.410	57.920	
Political Influences on History		07	006611	4.017	1.696	0.491	1.210	57.385	
Critical-Thinking Skills		10	006611	6.876	2.285	0.665	1.323	68.760	
Science	COMPLETE SUBTEST	44	007703	25.009	6.624	0.793	3.014	56.838	
	Nature of Science	14	007703	7.549	2.503	0.526	1.723	53.921	
	Organization of Living Systems	06	007703	3.808	1.348	0.352	1.085	63.466	
	Interdependence of Organisms and the Environment	06	007703	3.777	1.476	0.463	1.082	62.950	
	Structures and Properties of Matter	09	007703	4.733	1.768	0.391	1.380	52.588	
	Motion, Forces, and Energy	09	007703	5.142	1.811	0.434	1.362	57.133	

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

### Grade 11 TAKS-M (Spring 2009) African American Only

Subject	Test Objective	K <sup>1</sup>	N	Mean	SD	Alpha <sup>2</sup>	SEM	Mean <sup>3</sup> P-Value	
ELA	COMPLETE SUBTEST	45	002592	28.532	7.443	0.867	2.714	74.475	
	Basic Understanding	07	002592	5.531	1.612	0.404	1.244	79.014	
	Literary Elements and Techniques	07	002592	5.484	1.686	0.497	1.196	78.342	
	Analysis and Evaluation	08	002592	6.333	1.730	0.428	1.308	79.162	
	Revising and Editing	14	002592	9.462	3.084	0.717	1.641	67.585	
Mathematics	COMPLETE SUBTEST	48	003091	21.872	5.741	0.673	3.283	45.566	
	Functional Relationships	04	003091	2.004	1.107	0.276	0.942	50.100	
	Properties and Attributes of Functions	04	003091	2.043	1.040	0.174	0.945	51.075	
	Linear Functions	04	003091	1.866	0.959	0.020	0.949	46.650	
	Linear Equations and Inequalities	04	003091	1.891	1.038	0.155	0.954	47.275	
	Quadratic and Other Nonlinear Functions	04	003091	1.899	1.091	0.247	0.947	47.475	
	Geometric Relationships and Spatial Reasoning	06	003091	2.317	1.246	0.125	1.166	38.616	
	Two- and Three-Dimensional Representations	06	003091	2.413	1.336	0.312	1.108	40.216	
	Measurement and Similarity	06	003091	3.170	1.270	0.134	1.182	52.833	
	Percents/Proportions/Probability/Statistics	04	003091	1.849	1.035	0.132	0.964	46.225	
	Mathematical Processes and Tools	06	003091	2.421	1.248	0.132	1.163	40.350	
	Social Studies	COMPLETE SUBTEST	44	002482	25.374	7.474	0.835	3.036	57.668
		Issues and Events in U.S. History	10	002482	5.283	2.068	0.481	1.490	52.830
Geographic Influences on History		07	002482	4.130	1.600	0.426	1.212	59.000	
Economic and Social Influences on History		10	002482	5.468	2.182	0.564	1.441	54.680	
Political Influences on History		07	002482	3.851	1.670	0.458	1.229	55.014	
Critical-Thinking Skills		10	002482	6.642	2.206	0.616	1.367	66.420	
Science	COMPLETE SUBTEST	44	002830	23.624	5.851	0.726	3.063	53.690	
	Nature of Science	14	002830	7.164	2.301	0.430	1.737	51.171	
	Organization of Living Systems	06	002830	3.619	1.333	0.306	1.110	60.316	
	Interdependence of Organisms and the Environment	06	002830	3.498	1.423	0.377	1.123	58.300	
	Structures and Properties of Matter	09	002830	4.540	1.681	0.311	1.395	50.444	
	Motion, Forces, and Energy	09	002830	4.803	1.675	0.317	1.384	53.366	

1 Total number of Score Points (May exceed the number of items for tests/objectives with short-answer and/or essay questions)

2 Stratified Alpha Reliability computed for tests/objectives involving short-answer and/or essay questions, KR-20 reliability computed for all others

3 Multiple-choice and gridded items only

### Grade 11 TAKS-M (Spring 2009) Asian Only

<b>Subject</b>	<b>Test Objective</b>	<b>K<sup>1</sup></b>	<b>N</b>	<b>Mean</b>	<b>SD</b>	<b>Alpha<sup>2</sup></b>	<b>SEM</b>	<b>Mean<sup>3</sup> P-Value</b>	
ELA	COMPLETE SUBTEST	45	000109	27.349	8.059	0.889	2.685	71.611	
	Basic Understanding	07	000109	5.220	1.713	0.495	1.217	74.571	
	Literary Elements and Techniques	07	000109	5.110	1.960	0.657	1.148	73.000	
	Analysis and Evaluation	08	000109	6.046	1.931	0.563	1.277	75.575	
	Revising and Editing	14	000109	9.404	3.215	0.738	1.646	67.171	
Mathematics	COMPLETE SUBTEST	48	000128	23.688	7.249	0.800	3.242	49.350	
	Functional Relationships	04	000128	2.281	1.086	0.270	0.928	57.025	
	Properties and Attributes of Functions	04	000128	2.219	1.210	0.457	0.892	55.475	
	Linear Functions	04	000128	1.984	1.027	0.142	0.951	49.600	
	Linear Equations and Inequalities	04	000128	1.938	1.010	0.060	0.979	48.450	
	Quadratic and Other Nonlinear Functions	04	000128	2.102	1.163	0.389	0.909	52.550	
	Geometric Relationships and Spatial Reasoning	06	000128	2.648	1.467	0.392	1.144	44.133	
	Two- and Three-Dimensional Representations	06	000128	2.711	1.381	0.330	1.130	45.183	
	Measurement and Similarity	06	000128	3.328	1.437	0.384	1.128	55.466	
	Percents/Proportions/Probability/Statistics	04	000128	1.953	1.100	0.282	0.932	48.825	
	Mathematical Processes and Tools	06	000128	2.523	1.236	0.090	1.179	42.050	
	Social Studies	COMPLETE SUBTEST	44	000104	25.558	8.130	0.866	2.976	58.086
		Issues and Events in U.S. History	10	000104	5.740	2.373	0.637	1.430	57.400
Geographic Influences on History		07	000104	4.115	1.748	0.543	1.182	58.785	
Economic and Social Influences on History		10	000104	5.385	2.341	0.637	1.410	53.850	
Political Influences on History		07	000104	3.779	1.607	0.415	1.229	53.985	
Critical-Thinking Skills		10	000104	6.538	2.052	0.549	1.378	65.380	
Science	COMPLETE SUBTEST	44	000115	24.026	6.450	0.776	3.053	54.604	
	Nature of Science	14	000115	7.391	2.516	0.530	1.725	52.792	
	Organization of Living Systems	06	000115	3.617	1.380	0.336	1.125	60.283	
	Interdependence of Organisms and the Environment	06	000115	3.774	1.481	0.460	1.088	62.900	
	Structures and Properties of Matter	09	000115	4.339	1.757	0.367	1.398	48.211	
	Motion, Forces, and Energy	09	000115	4.904	1.752	0.385	1.374	54.488	

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3 Multiple-choice and gridded items only

### Grade 11 TAKS-M (Spring 2009) Hispanic Only

<b>Subject</b>	<b>Test Objective</b>	<b>K<sup>1</sup></b>	<b>N</b>	<b>Mean</b>	<b>SD</b>	<b>Alpha<sup>2</sup></b>	<b>SEM</b>	<b>Mean<sup>3</sup> P-Value</b>	
ELA	COMPLETE SUBTEST	45	004616	28.075	7.783	0.880	2.696	73.308	
	Basic Understanding	07	004616	5.435	1.677	0.461	1.231	77.642	
	Literary Elements and Techniques	07	004616	5.394	1.735	0.532	1.187	77.057	
	Analysis and Evaluation	08	004616	6.189	1.798	0.482	1.294	77.362	
	Revising and Editing	14	004616	9.373	3.130	0.724	1.644	66.950	
Mathematics	COMPLETE SUBTEST	48	005409	23.214	6.282	0.729	3.270	48.362	
	Functional Relationships	04	005409	2.139	1.112	0.297	0.932	53.475	
	Properties and Attributes of Functions	04	005409	2.133	1.073	0.226	0.944	53.325	
	Linear Functions	04	005409	1.954	1.032	0.161	0.945	48.850	
	Linear Equations and Inequalities	04	005409	1.972	1.041	0.173	0.947	49.300	
	Quadratic and Other Nonlinear Functions	04	005409	1.990	1.123	0.308	0.934	49.750	
	Geometric Relationships and Spatial Reasoning	06	005409	2.473	1.294	0.189	1.165	41.216	
	Two- and Three-Dimensional Representations	06	005409	2.832	1.421	0.408	1.093	47.200	
	Measurement and Similarity	06	005409	3.258	1.276	0.158	1.171	54.300	
	Percents/Proportions/Probability/Statistics	04	005409	1.920	1.056	0.177	0.958	48.000	
	Mathematical Processes and Tools	06	005409	2.542	1.269	0.153	1.168	42.366	
	Social Studies	COMPLETE SUBTEST	44	004388	25.578	7.680	0.846	3.014	58.131
		Issues and Events in U.S. History	10	004388	5.370	2.101	0.501	1.484	53.700
Geographic Influences on History		07	004388	4.319	1.658	0.491	1.183	61.700	
Economic and Social Influences on History		10	004388	5.366	2.236	0.586	1.439	53.660	
Political Influences on History		07	004388	3.871	1.678	0.467	1.225	55.300	
Science	Critical-Thinking Skills	10	004388	6.652	2.221	0.625	1.360	66.520	
	COMPLETE SUBTEST	44	005071	23.740	6.119	0.750	3.059	53.954	
	Nature of Science	14	005071	7.290	2.411	0.485	1.730	52.071	
	Organization of Living Systems	06	005071	3.648	1.341	0.317	1.108	60.800	
	Interdependence of Organisms and the Environment	06	005071	3.503	1.468	0.423	1.115	58.383	
	Structures and Properties of Matter	09	005071	4.459	1.677	0.309	1.394	49.544	
Motion, Forces, and Energy	09	005071	4.840	1.717	0.346	1.389	53.777		

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3 Multiple-choice and gridded items only

### Grade 11 TAKS-M (Spring 2009) Native American Only

Subject	Test Objective	K <sup>1</sup>	N	Mean	SD	Alpha <sup>2</sup>	SEM	Mean <sup>3</sup> P-Value	
ELA	COMPLETE SUBTEST	45	000038	31.395	6.470	0.821	2.737	82.163	
	Basic Understanding	07	000038	6.053	1.355	0.115	1.275	86.471	
	Literary Elements and Techniques	07	000038	5.921	1.459	0.363	1.164	84.585	
	Analysis and Evaluation	08	000038	6.921	1.600	0.324	1.316	86.512	
	Revising and Editing	14	000038	10.684	2.516	0.536	1.714	76.314	
Mathematics	COMPLETE SUBTEST	48	000051	24.784	6.819	0.777	3.220	51.633	
	Functional Relationships	04	000051	2.098	1.221	0.456	0.901	52.450	
	Properties and Attributes of Functions	04	000051	2.353	1.128	0.413	0.864	58.825	
	Linear Functions	04	000051	2.137	0.917	0.068	0.885	53.425	
	Linear Equations and Inequalities	04	000051	1.941	1.103	0.335	0.899	48.525	
	Quadratic and Other Nonlinear Functions	04	000051	2.137	1.059	0.212	0.940	53.425	
	Geometric Relationships and Spatial Reasoning	06	000051	2.647	1.467	0.395	1.141	44.116	
	Two- and Three-Dimensional Representations	06	000051	2.980	1.407	0.330	1.152	49.666	
	Measurement and Similarity	06	000051	3.490	1.223	0.092	1.165	58.166	
	Percents/Proportions/Probability/Statistics	04	000051	2.157	1.065	0.223	0.939	53.925	
	Mathematical Processes and Tools	06	000051	2.843	1.317	0.232	1.154	47.383	
	Social Studies	COMPLETE SUBTEST	44	000037	27.162	7.730	0.857	2.923	61.731
		Issues and Events in U.S. History	10	000037	5.757	1.892	0.381	1.489	57.570
Geographic Influences on History		07	000037	4.270	1.726	0.592	1.102	61.000	
Economic and Social Influences on History		10	000037	6.081	1.891	0.432	1.425	60.810	
Political Influences on History		07	000037	4.054	1.899	0.620	1.171	57.914	
Critical-Thinking Skills		10	000037	7.000	2.517	0.758	1.238	70.000	
Science	COMPLETE SUBTEST	44	000047	25.723	6.883	0.817	2.944	58.461	
	Nature of Science	14	000047	7.574	2.526	0.540	1.713	54.100	
	Organization of Living Systems	06	000047	4.128	1.245	0.261	1.070	68.800	
	Interdependence of Organisms and the Environment	06	000047	3.809	1.439	0.471	1.047	63.483	
	Structures and Properties of Matter	09	000047	4.830	1.960	0.545	1.322	53.666	
	Motion, Forces, and Energy	09	000047	5.383	2.017	0.588	1.295	59.811	

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3 Multiple-choice and gridded items only



### Grade 11 TAKS-M (Spring 2009) White Only

Subject	Test Objective	K <sup>1</sup>	N	Mean	SD	Alpha <sup>2</sup>	SEM	Mean <sup>3</sup> P-Value	
ELA	COMPLETE SUBTEST	45	003365	30.245	7.342	0.862	2.727	79.058	
	Basic Understanding	07	003365	5.829	1.540	0.328	1.262	83.271	
	Literary Elements and Techniques	07	003365	5.791	1.602	0.454	1.184	82.728	
	Analysis and Evaluation	08	003365	6.675	1.631	0.340	1.325	83.437	
	Revising and Editing	14	003365	10.166	3.110	0.714	1.663	72.614	
Mathematics	COMPLETE SUBTEST	48	004506	24.220	6.768	0.769	3.253	50.458	
	Functional Relationships	04	004506	2.208	1.129	0.321	0.930	55.200	
	Properties and Attributes of Functions	04	004506	2.181	1.073	0.221	0.947	54.525	
	Linear Functions	04	004506	2.008	1.027	0.163	0.940	50.200	
	Linear Equations and Inequalities	04	004506	1.987	1.043	0.200	0.933	49.675	
	Quadratic and Other Nonlinear Functions	04	004506	2.049	1.133	0.340	0.920	51.225	
	Geometric Relationships and Spatial Reasoning	06	004506	2.642	1.335	0.239	1.165	44.033	
	Two- and Three-Dimensional Representations	06	004506	2.925	1.468	0.446	1.093	48.750	
	Measurement and Similarity	06	004506	3.385	1.305	0.214	1.157	56.416	
	Percents/Proportions/Probability/Statistics	04	004506	2.082	1.037	0.171	0.944	52.050	
	Mathematical Processes and Tools	06	004506	2.753	1.345	0.246	1.168	45.883	
	Social Studies	COMPLETE SUBTEST	44	003086	28.303	8.054	0.871	2.893	64.325
		Issues and Events in U.S. History	10	003086	5.968	2.123	0.537	1.445	59.680
Geographic Influences on History		07	003086	4.849	1.614	0.525	1.112	69.271	
Economic and Social Influences on History		10	003086	6.148	2.333	0.650	1.380	61.480	
Political Influences on History		07	003086	4.216	1.684	0.498	1.193	60.228	
Critical-Thinking Skills		10	003086	7.122	2.251	0.676	1.281	71.220	
Science	COMPLETE SUBTEST	44	003866	26.600	6.695	0.805	2.956	60.454	
	Nature of Science	14	003866	8.040	2.533	0.551	1.697	57.428	
	Organization of Living Systems	06	003866	3.993	1.292	0.318	1.067	66.550	
	Interdependence of Organisms and the Environment	06	003866	3.992	1.434	0.461	1.053	66.533	
	Structures and Properties of Matter	09	003866	5.109	1.817	0.443	1.356	56.766	
	Motion, Forces, and Energy	09	003866	5.466	1.797	0.448	1.335	60.733	

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3 Multiple-choice and gridded items only