Grade 03 Spanish TAKS (Spring 2003) Total Group

Subject	Test Objective	K[1]	N	Mean	SD	Alpha[2]	SEM	Mean[3] P-Value
Reading	COMPLETE SUBTEST	36	024536	25.245	6.739	0.874	2.392	70.125
	Basic Understanding	15	024536	9.963	2.961	0.713	1.586	66.420
	Applying Knowledge of Literary Elements	07	024536	5.543	1.492	0.597	0.947	79.185
	Using Strategies to Analyze	06	024536	4.147	1.575	0.602	0.994	69.116
	Applying Critical-Thinking Skills	08	024536	5.592	1.842	0.617	1.140	69.900
Mathematics	COMPLETE SUBTEST	40	023671	27.173	6.965	0.866	2.550	67.932
	Numbers, Operations, and Quantitative Reasoning	10	023671	6.921	2.160	0.675	1.231	69.210
	Patterns, Relationships, and Algebraic Reasoning	06	023671	4.115	1.431	0.537	0.974	68.583
	Geometry and Spatial Reasoning	06	023671	4.608	1.265	0.455	0.934	76.800
	Concepts and Uses of Measurement	06	023671	4.169	1.282	0.428	0.970	69.483
	Probability and Statistics	04	023671	3.008	1.009	0.414	0.772	75.200
	Mathematical Processes and Tools	08	023671	4.354	1.915	0.574	1.250	54.425

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 Spanish TAKS (Spring 2003) Female Only

Subject	Test Objective	K[1]	N	Mean	SD	Alpha[2]	SEM	Mean[3] P-Value
Reading	COMPLETE SUBTEST	36	012303	26.111	6.459	0.869	2.338	72.530
	Basic Understanding	15	012303	10.303	2.881	0.706	1.562	68.686
	Applying Knowledge of Literary Elements	07	012303	5.698	1.403	0.575	0.915	81.400
	Using Strategies to Analyze	06	012303	4.291	1.535	0.601	0.970	71.516
	Applying Critical-Thinking Skills	08	012303	5.819	1.765	0.604	1.111	72.737
Mathematics	COMPLETE SUBTEST	40	011862	27.025	6.892	0.863	2.551	67.562
	Numbers, Operations, and Quantitative Reasoning	10	011862	6.903	2.125	0.664	1.232	69.030
	Patterns, Relationships, and Algebraic Reasoning	06	011862	4.094	1.426	0.529	0.979	68.233
	Geometry and Spatial Reasoning	06	011862	4.505	1.289	0.456	0.951	75.083
	Concepts and Uses of Measurement	06	011862	4.101	1.263	0.401	0.977	68.350
	Probability and Statistics	04	011862	3.046	1.001	0.418	0.764	76.150
	Mathematical Processes and Tools	08	011862	4.376	1.905	0.571	1.248	54.700

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 03 Spanish TAKS (Spring 2003) Male Only

Subject	Test Objective	K[1]	N	Mean	SD	Alpha[2]	SEM	Mean[3] P-Value
Reading	COMPLETE SUBTEST	36	012217	24.373	6.902	0.875	2.440	67.702
	Basic Understanding	15	012217	9.620	3.002	0.712	1.611	64.133
	Applying Knowledge of Literary Elements	07	012217	5.387	1.561	0.606	0.980	76.957
	Using Strategies to Analyze	06	012217	4.004	1.601	0.598	1.015	66.733
	Applying Critical-Thinking Skills	08	012217	5.362	1.890	0.618	1.168	67.025
Mathematics	COMPLETE SUBTEST	40	011783	27.321	7.037	0.870	2.537	68.302
	Numbers, Operations, and Quantitative Reasoning	10	011783	6.938	2.195	0.688	1.226	69.380
	Patterns, Relationships, and Algebraic Reasoning	06	011783	4.135	1.436	0.546	0.968	68.916
	Geometry and Spatial Reasoning	06	011783	4.711	1.231	0.449	0.914	78.516
	Concepts and Uses of Measurement	06	011783	4.236	1.298	0.453	0.960	70.600
	Probability and Statistics	04	011783	2.970	1.015	0.409	0.780	74.250
	Mathematical Processes and Tools	08	011783	4.331	1.925	0.578	1.251	54.137

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 Spanish TAKS (Spring 2003) Total Group

Subject	Test Objective	K[1]	N	Mean	SD	Alpha[2]	SEM	Mean[3] P-Value
Reading	COMPLETE SUBTEST	40	013585	25.712	7.440	0.868	2.703	64.280
	Basic Understanding	15	013585	9.864	3.022	0.707	1.636	65.760
	Applying Knowledge of Literary Elements	08	013585	5.195	1.999	0.652	1.179	64.937
	Using Strategies to Analyze	07	013585	4.586	1.654	0.527	1.138	65.514
	Applying Critical-Thinking Skills	10	013585	6.067	2.140	0.578	1.390	60.670
Mathematics	COMPLETE SUBTEST	42	012833	26.609	7.355	0.866	2.692	63.354
	Numbers, Operations, and Quantitative Reasoning	11	012833	7.479	2.158	0.644	1.288	67.990
	Patterns, Relationships, and Algebraic Reasoning	07	012833	4.817	1.753	0.636	1.058	68.814
	Geometry and Spatial Reasoning	06	012833	3.704	1.276	0.385	1.001	61.733
	Concepts and Uses of Measurement	06	012833	3.637	1.521	0.501	1.074	60.616
	Probability and Statistics	04	012833	2.340	1.106	0.348	0.893	58.500
	Mathematical Processes and Tools	08	012833	4.631	1.841	0.586	1.185	57.887
Writing	COMPLETE SUBTEST	32	014226	24.562	4.301	0.797	1.938	80.000
	Appropriate Organization of Ideas	04	014226	3.291	0.921	0.446	0.686	82.275
	Correct and Effective Sentence Construction	08	014226	5.865	1.755	0.579	1.139	73.312
	Standard Usage and Appropriate Word Choice	08	014226	6.991	1.263	0.525	0.870	87.387
	Proofreading for Punctuation, Capitalization, and Spelling	08	014226	6.253	1.356	0.438	1.017	78.162

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 Spanish TAKS (Spring 2003) Female Only

Subject	Test Objective	K[1]	N	Mean	SD	Alpha[2]	SEM	Mean[3] P-Value
Reading	COMPLETE SUBTEST	40	006890	26.380	7.203	0.861	2.685	65.950
	Basic Understanding	15	006890	10.072	2.940	0.695	1.624	67.146
	Applying Knowledge of Literary Elements	08	006890	5.374	1.933	0.635	1.168	67.175
	Using Strategies to Analyze	07	006890	4.725	1.610	0.512	1.125	67.500
	Applying Critical-Thinking Skills	10	006890	6.209	2.119	0.574	1.383	62.090
Mathematics	COMPLETE SUBTEST	42	006486	26.397	7.239	0.862	2.689	62.850
	Numbers, Operations, and Quantitative Reasoning	11	006486	7.478	2.123	0.631	1.290	67.981
	Patterns, Relationships, and Algebraic Reasoning	07	006486	4.799	1.735	0.626	1.061	68.557
	Geometry and Spatial Reasoning	06	006486	3.666	1.268	0.371	1.006	61.100
	Concepts and Uses of Measurement	06	006486	3.492	1.531	0.495	1.088	58.200
	Probability and Statistics	04	006486	2.327	1.110	0.344	0.899	58.175
	Mathematical Processes and Tools	08	006486	4.635	1.806	0.586	1.162	57.937
Writing	COMPLETE SUBTEST	32	007210	25.257	3.913	0.772	1.868	82.150
	Appropriate Organization of Ideas	04	007210	3.421	0.831	0.409	0.639	85.525
	Correct and Effective Sentence Construction	08	007210	6.121	1.642	0.551	1.100	76.512
	Standard Usage and Appropriate Word Choice	08	007210	7.106	1.162	0.484	0.835	88.825
	Proofreading for Punctuation, Capitalization, and Spelling	08	007210	6.354	1.256	0.378	0.991	79.425

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 Spanish TAKS (Spring 2003) Male Only

Subject	Test Objective	K[1]	N	Mean	SD	Alpha[2]	SEM	Mean[3] P-Value
Reading	COMPLETE SUBTEST	40	006679	25.032	7.616	0.872	2.725	62.580
	Basic Understanding	15	006679	9.652	3.090	0.715	1.650	64.346
	Applying Knowledge of Literary Elements	08	006679	5.014	2.048	0.663	1.189	62.675
	Using Strategies to Analyze	07	006679	4.445	1.686	0.536	1.148	63.500
	Applying Critical-Thinking Skills	10	006679	5.921	2.152	0.582	1.391	59.210
Mathematics	COMPLETE SUBTEST	42	006331	26.830	7.470	0.871	2.683	63.880
	Numbers, Operations, and Quantitative Reasoning	11	006331	7.481	2.196	0.657	1.286	68.009
	Patterns, Relationships, and Algebraic Reasoning	07	006331	4.835	1.773	0.646	1.055	69.071
	Geometry and Spatial Reasoning	06	006331	3.745	1.284	0.402	0.993	62.416
	Concepts and Uses of Measurement	06	006331	3.786	1.496	0.500	1.058	63.100
	Probability and Statistics	04	006331	2.354	1.103	0.355	0.886	58.850
	Mathematical Processes and Tools	08	006331	4.628	1.876	0.591	1.200	57.850
Writing	COMPLETE SUBTEST	32	007009	23.849	4.558	0.806	2.008	77.785
	Appropriate Organization of Ideas	04	007009	3.157	0.988	0.454	0.730	78.925
	Correct and Effective Sentence Construction	08	007009	5.602	1.827	0.586	1.176	70.025
	Standard Usage and Appropriate Word Choice	08	007009	6.872	1.350	0.549	0.907	85.900
	Proofreading for Punctuation, Capitalization, and Spelling	08	007009	6.149	1.444	0.481	1.040	76.862

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 Spanish TAKS (Spring 2003) Total Group

Subject	Test Objective	K[1]	N	Mean	SD	Alpha[2]	SEM	Mean[3] P-Value
Reading	COMPLETE SUBTEST	42	006227	26.142	7.401	0.859	2.779	62.242
	Basic Understanding	13	006227	8.701	2.581	0.669	1.485	66.930
	Applying Knowledge of Literary Elements	08	006227	5.205	1.851	0.586	1.191	65.062
	Using Strategies to Analyze	08	006227	4.991	1.808	0.513	1.262	62.387
	Applying Critical-Thinking Skills	13	006227	7.245	2.542	0.613	1.581	55.730
Mathematics	COMPLETE SUBTEST	44	005815	26.579	7.525	0.867	2.744	60.406
	Numbers, Operations, and Quantitative Reasoning	11	005815	6.630	2.416	0.670	1.388	60.272
	Patterns, Relationships, and Algebraic Reasoning	07	005815	3.891	1.601	0.538	1.088	55.585
	Geometry and Spatial Reasoning	07	005815	5.024	1.476	0.459	1.086	71.771
	Concepts and Uses of Measurement	07	005815	4.114	1.604	0.534	1.095	58.771
	Probability and Statistics	04	005815	2.400	0.898	0.308	0.747	60.000
	Mathematical Processes and Tools	08	005815	4.521	1.787	0.563	1.181	56.512
Science	COMPLETE SUBTEST	40	007115	21.265	5.058	0.699	2.775	53.162
	Nature of Science	13	007115	8.098	2.107	0.483	1.515	62.292
	Life Sciences	09	007115	5.349	1.769	0.401	1.369	59.433
	Physical Sciences	09	007115	4.365	1.487	0.307	1.238	48.500
	Earth Sciences	09	007115	3.453	1.695	0.316	1.402	38.366

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 05 Spanish TAKS (Spring 2003) Female Only

Subject	Test Objective	K[1]	N	Mean	SD	Alpha[2]	SEM	Mean[3] P-Value
Reading	COMPLETE SUBTEST	42	003150	27.104	7.078	0.850	2.741	64.533
	Basic Understanding	13	003150	9.023	2.448	0.645	1.459	69.407
	Applying Knowledge of Literary Elements	08	003150	5.447	1.774	0.574	1.158	68.087
	Using Strategies to Analyze	08	003150	5.166	1.741	0.484	1.251	64.575
	Applying Critical-Thinking Skills	13	003150	7.468	2.513	0.608	1.573	57.446
Mathematics	COMPLETE SUBTEST	44	002929	26.614	7.436	0.866	2.722	60.486
	Numbers, Operations, and Quantitative Reasoning	11	002929	6.615	2.400	0.666	1.387	60.136
	Patterns, Relationships, and Algebraic Reasoning	07	002929	3.947	1.592	0.533	1.088	56.385
	Geometry and Spatial Reasoning	07	002929	5.061	1.450	0.445	1.080	72.300
	Concepts and Uses of Measurement	07	002929	4.011	1.582	0.519	1.097	57.300
	Probability and Statistics	04	002929	2.430	0.885	0.303	0.739	60.750
	Mathematical Processes and Tools	08	002929	4.549	1.751	0.558	1.164	56.862
Science	COMPLETE SUBTEST	40	003562	20.921	4.951	0.686	2.774	52.302
	Nature of Science	13	003562	8.092	2.098	0.476	1.519	62.246
	Life Sciences	09	003562	5.257	1.739	0.378	1.371	58.411
	Physical Sciences	09	003562	4.217	1.499	0.327	1.230	46.855
	Earth Sciences	09	003562	3.356	1.674	0.306	1.395	37.288

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 Spanish TAKS (Spring 2003) Male Only

Subject	Test Objective	K[1]	N	Mean	SD	Alpha[2]	SEM	Mean[3] P-Value
Reading	COMPLETE SUBTEST	42	003064	25.158	7.601	0.864	2.803	59.900
	Basic Understanding	13	003064	8.376	2.673	0.682	1.507	64.430
	Applying Knowledge of Literary Elements	08	003064	4.956	1.894	0.585	1.220	61.950
	Using Strategies to Analyze	08	003064	4.808	1.860	0.533	1.271	60.100
	Applying Critical-Thinking Skills	13	003064	7.018	2.553	0.615	1.584	53.984
Mathematics	COMPLETE SUBTEST	44	002873	26.563	7.614	0.870	2.745	60.370
	Numbers, Operations, and Quantitative Reasoning	11	002873	6.651	2.430	0.674	1.387	60.463
	Patterns, Relationships, and Algebraic Reasoning	07	002873	3.837	1.609	0.541	1.090	54.814
	Geometry and Spatial Reasoning	07	002873	4.987	1.503	0.473	1.091	71.242
	Concepts and Uses of Measurement	07	002873	4.221	1.619	0.546	1.091	60.300
	Probability and Statistics	04	002873	2.370	0.910	0.309	0.756	59.250
	Mathematical Processes and Tools	08	002873	4.496	1.820	0.569	1.195	56.200
Science	COMPLETE SUBTEST	40	003542	21.616	5.142	0.710	2.769	54.040
	Nature of Science	13	003542	8.106	2.116	0.493	1.507	62.353
	Life Sciences	09	003542	5.442	1.796	0.424	1.363	60.466
	Physical Sciences	09	003542	4.516	1.460	0.277	1.241	50.177
	Earth Sciences	09	003542	3.552	1.711	0.323	1.408	39.466

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 Spanish TAKS (Spring 2003) Total Group

Subject	Test Objective	K[1]	N	Mean	SD	Alpha[2]	SEM	Mean[3] P-Value
Reading	COMPLETE SUBTEST	42	001577	24.517	7.879	0.872	2.819	58.373
	Basic Understanding	13	001577	8.003	2.839	0.714	1.518	61.561
	Applying Knowledge of Literary Elements	08	001577	5.172	2.034	0.654	1.196	64.650
	Using Strategies to Analyze	08	001577	4.609	1.823	0.513	1.272	57.612
	Applying Critical-Thinking Skills	13	001577	6.732	2.548	0.605	1.601	51.784
Mathematics	COMPLETE SUBTEST	46	001544	23.181	8.384	0.871	3.011	50.393
	Numbers, Operations, and Quantitative Reasoning	10	001544	4.931	2.618	0.714	1.400	49.310
	Patterns, Relationships, and Algebraic Reasoning	09	001544	3.869	1.997	0.558	1.328	42.988
	Geometry and Spatial Reasoning	07	001544	3.815	1.753	0.523	1.211	54.500
	Concepts and Uses of Measurement	05	001544	2.556	1.334	0.446	0.993	51.120
	Probability and Statistics	06	001544	3.148	1.114	0.211	0.990	52.466
	Mathematical Processes and Tools	09	001544	4.863	2.135	0.607	1.338	54.033

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 Spanish TAKS (Spring 2003) Female Only

Subject	Test Objective	K[1]	N	Mean	SD	Alpha[2]	SEM	Mean[3] P-Value
Reading	COMPLETE SUBTEST	42	000800	25.391	7.621	0.867	2.779	60.454
	Basic Understanding	13	000800	8.278	2.738	0.702	1.495	63.676
	Applying Knowledge of Literary Elements	08	000800	5.398	1.952	0.636	1.178	67.475
	Using Strategies to Analyze	08	000800	4.778	1.787	0.502	1.261	59.725
	Applying Critical-Thinking Skills	13	000800	6.939	2.531	0.605	1.591	53.376
Mathematics	COMPLETE SUBTEST	46	000784	23.459	8.372	0.871	3.007	50.997
	Numbers, Operations, and Quantitative Reasoning	10	000784	5.045	2.661	0.729	1.385	50.450
	Patterns, Relationships, and Algebraic Reasoning	09	000784	3.855	2.007	0.574	1.310	42.833
	Geometry and Spatial Reasoning	07	000784	3.885	1.691	0.485	1.214	55.500
	Concepts and Uses of Measurement	05	000784	2.540	1.345	0.455	0.993	50.800
	Probability and Statistics	06	000784	3.194	1.119	0.214	0.992	53.233
	Mathematical Processes and Tools	09	000784	4.941	2.087	0.586	1.343	54.900

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 06 Spanish TAKS (Spring 2003) Male Only

Subject	Test Objective	K[1]	N	Mean	SD	Alpha[2]	SEM	Mean[3] P-Value
Reading	COMPLETE SUBTEST	42	000774	23.599	8.037	0.875	2.842	56.188
	Basic Understanding	13	000774	7.716	2.915	0.721	1.540	59.353
	Applying Knowledge of Literary Elements	08	000774	4.938	2.091	0.662	1.216	61.725
	Using Strategies to Analyze	08	000774	4.433	1.844	0.518	1.280	55.412
	Applying Critical-Thinking Skills	13	000774	6.513	2.546	0.598	1.614	50.100
Mathematics	COMPLETE SUBTEST	46	000757	22.882	8.377	0.870	3.020	49.743
	Numbers, Operations, and Quantitative Reasoning	10	000757	4.810	2.566	0.698	1.410	48.100
	Patterns, Relationships, and Algebraic Reasoning	09	000757	3.877	1.987	0.543	1.343	43.077
	Geometry and Spatial Reasoning	07	000757	3.746	1.811	0.558	1.204	53.514
	Concepts and Uses of Measurement	05	000757	2.573	1.324	0.442	0.989	51.460
	Probability and Statistics	06	000757	3.096	1.108	0.208	0.986	51.600
	Mathematical Processes and Tools	09	000757	4.779	2.179	0.626	1.333	53.100

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