

TAKS-M
2013 Mean P-Values and
Internal Consistency Values
By Objective and
Content Area

Grade 11 TAKS Modified (Spring 2013) Total Group

Subject	Test Objective	Score Point*	N	Mean	SD	Alpha**	SEM	Mean P-Value***
ELA	OVERALL TEST	45	9024	30.901	8.491	0.902	2.663	71.607
	Basic Understanding	7	9024	5.059	1.680	0.605	1.056	72.264
	Literary Elements and Techniques	7	9024	5.191	1.656	0.614	1.029	74.163
	Analysis and Critical Evaluation	8	9024	6.057	1.907	0.684	1.072	75.709
	Revising and Editing	14	9024	9.472	2.970	0.719	1.574	67.655
Mathematics	OVERALL TEST	48	11083	25.464	7.026	0.792	3.206	53.050
	Functional Relationships	4	11083	1.950	1.080	0.204	0.963	48.759
	Properties and Attributes of Functions	4	11083	2.351	1.066	0.217	0.943	58.781
	Linear Functions	4	11083	2.160	1.127	0.308	0.937	53.999
	Linear Equations and Inequalities	4	11083	2.232	1.113	0.281	0.943	55.808
	Quadratic and Other Nonlinear Functions	4	11083	2.512	1.065	0.308	0.886	62.810
	Geometric Relationships and Spatial Reasoning	6	11083	3.078	1.364	0.278	1.159	51.296
	Two- and Three-Dimensional Representations	6	11083	3.232	1.419	0.375	1.122	53.866
	Measurement and Similarity	6	11083	2.658	1.378	0.351	1.110	44.307
	Percents/Proportions/Probability/Statistics	4	11083	2.580	0.921	0.226	0.810	64.506
	Mathematical Processes and Tools	6	11083	2.709	1.368	0.258	1.179	45.153
Science	OVERALL TEST	44	9759	25.736	7.091	0.816	3.039	58.491
	Nature of Science	14	9759	8.677	2.873	0.668	1.656	61.978
	Organization of Living Systems	6	9759	3.171	1.393	0.277	1.184	52.849
	Interdependence of Organisms and the Environment	6	9759	3.266	1.447	0.371	1.148	54.440
	Structures and Properties of Matter	9	9759	4.921	1.731	0.341	1.405	54.675
	Motion, Forces, and Energy	9	9759	5.701	1.955	0.534	1.334	63.346
Social Studies	OVERALL TEST	44	8395	26.210	7.397	0.832	3.028	59.569
	Issues and Events in U.S. History	10	8395	5.697	1.997	0.451	1.480	56.973
	Geographic Influences on History	7	8395	4.413	1.619	0.454	1.197	63.039
	Economic and Social Influences on History	10	8395	5.510	2.202	0.561	1.459	55.104
	Political Influences on History	7	8395	4.410	1.594	0.436	1.196	62.993
	Critical-Thinking Skills	10	8395	6.180	2.220	0.605	1.395	61.803

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

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

*** Multiple-choice and gridded items only

Grade 11 TAKS Modified (Spring 2013) Female

Subject	Test Objective	Score Point*	N	Mean	SD	Alpha**	SEM	Mean P-Value***
ELA	OVERALL TEST	45	2970	31.451	8.167	0.894	2.659	72.160
	Basic Understanding	7	2970	5.018	1.619	0.563	1.071	71.679
	Literary Elements and Techniques	7	2970	5.275	1.592	0.592	1.017	75.358
	Analysis and Critical Evaluation	8	2970	6.167	1.864	0.682	1.051	77.088
	Revising and Editing	14	2970	9.518	2.850	0.698	1.566	67.985
Mathematics	OVERALL TEST	48	3940	25.286	6.724	0.773	3.206	52.679
	Functional Relationships	4	3940	1.992	1.078	0.201	0.963	49.797
	Properties and Attributes of Functions	4	3940	2.404	1.063	0.227	0.935	60.108
	Linear Functions	4	3940	2.167	1.108	0.280	0.941	54.175
	Linear Equations and Inequalities	4	3940	2.302	1.100	0.270	0.940	57.538
	Quadratic and Other Nonlinear Functions	4	3940	2.542	1.056	0.300	0.884	63.560
	Geometric Relationships and Spatial Reasoning	6	3940	3.063	1.316	0.222	1.160	51.053
	Two- and Three-Dimensional Representations	6	3940	3.158	1.406	0.339	1.143	52.631
	Measurement and Similarity	6	3940	2.522	1.312	0.297	1.100	42.026
	Percents/Proportions/Probability/Statistics	4	3940	2.496	0.886	0.139	0.822	62.392
	Mathematical Processes and Tools	6	3940	2.640	1.338	0.226	1.177	44.006
Science	OVERALL TEST	44	3455	25.060	6.653	0.787	3.070	56.954
	Nature of Science	14	3455	8.540	2.816	0.652	1.662	60.996
	Organization of Living Systems	6	3455	3.173	1.379	0.259	1.187	52.875
	Interdependence of Organisms and the Environment	6	3455	3.175	1.381	0.286	1.167	52.909
	Structures and Properties of Matter	9	3455	4.744	1.680	0.294	1.412	52.713
	Motion, Forces, and Energy	9	3455	5.429	1.879	0.470	1.368	60.322
Social Studies	OVERALL TEST	44	2885	25.247	6.742	0.792	3.078	57.380
	Issues and Events in U.S. History	10	2885	5.498	1.879	0.365	1.497	54.984
	Geographic Influences on History	7	2885	4.358	1.545	0.380	1.216	62.263
	Economic and Social Influences on History	10	2885	5.196	2.086	0.493	1.485	51.958
	Political Influences on History	7	2885	4.312	1.539	0.375	1.217	61.604
	Critical-Thinking Skills	10	2885	5.882	2.159	0.567	1.421	58.821

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

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

*** Multiple-choice and gridded items only

Grade 11 TAKS Modified (Spring 2013) Male

Subject	Test Objective	Score Point*	N	Mean	SD	Alpha**	SEM	Mean P-Value***
ELA	OVERALL TEST	45	6035	30.633	8.633	0.905	2.663	71.337
	Basic Understanding	7	6035	5.078	1.709	0.625	1.047	72.546
	Literary Elements and Techniques	7	6035	5.152	1.684	0.623	1.034	73.599
	Analysis and Critical Evaluation	8	6035	6.003	1.925	0.684	1.082	75.037
	Revising and Editing	14	6035	9.448	3.028	0.729	1.575	67.487
Mathematics	OVERALL TEST	48	7134	25.565	7.181	0.801	3.203	53.260
	Functional Relationships	4	7134	1.929	1.080	0.205	0.963	48.213
	Properties and Attributes of Functions	4	7134	2.323	1.066	0.211	0.947	58.063
	Linear Functions	4	7134	2.156	1.136	0.322	0.935	53.911
	Linear Equations and Inequalities	4	7134	2.194	1.117	0.285	0.945	54.861
	Quadratic and Other Nonlinear Functions	4	7134	2.495	1.069	0.311	0.887	62.377
	Geometric Relationships and Spatial Reasoning	6	7134	3.086	1.390	0.307	1.157	51.441
	Two- and Three-Dimensional Representations	6	7134	3.273	1.424	0.394	1.109	54.556
	Measurement and Similarity	6	7134	2.734	1.407	0.374	1.113	45.563
	Percents/Proportions/Probability/Statistics	4	7134	2.628	0.935	0.264	0.802	65.689
	Mathematical Processes and Tools	6	7134	2.747	1.384	0.276	1.178	45.778
Science	OVERALL TEST	44	6294	26.109	7.290	0.829	3.018	59.339
	Nature of Science	14	6294	8.752	2.901	0.676	1.652	62.518
	Organization of Living Systems	6	6294	3.171	1.400	0.288	1.182	52.855
	Interdependence of Organisms and the Environment	6	6294	3.317	1.479	0.409	1.137	55.280
	Structures and Properties of Matter	9	6294	5.018	1.750	0.361	1.399	55.755
	Motion, Forces, and Energy	9	6294	5.851	1.980	0.560	1.313	65.007
Social Studies	OVERALL TEST	44	5503	26.712	7.665	0.847	2.999	60.709
	Issues and Events in U.S. History	10	5503	5.801	2.048	0.486	1.468	58.008
	Geographic Influences on History	7	5503	4.441	1.657	0.488	1.185	63.441
	Economic and Social Influences on History	10	5503	5.674	2.243	0.585	1.445	56.744
	Political Influences on History	7	5503	4.460	1.620	0.466	1.184	63.708
	Critical-Thinking Skills	10	5503	6.337	2.233	0.619	1.379	63.365

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

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

*** Multiple-choice and gridded items only

Grade 11 TAKS Modified (Spring 2013) Black or African American

Subject	Test Objective	Score Point*	N	Mean	SD	Alpha**	SEM	Mean P-Value***
ELA	OVERALL TEST	45	2005	30.469	8.242	0.893	2.702	70.443
	Basic Understanding	7	2005	4.932	1.652	0.564	1.090	70.452
	Literary Elements and Techniques	7	2005	5.143	1.628	0.591	1.041	73.466
	Analysis and Critical Evaluation	8	2005	5.876	1.929	0.668	1.112	73.448
Mathematics	Revising and Editing	14	2005	9.409	2.863	0.693	1.587	67.211
	OVERALL TEST	48	2476	24.106	6.512	0.755	3.224	50.220
	Functional Relationships	4	2476	1.851	1.067	0.181	0.965	46.274
	Properties and Attributes of Functions	4	2476	2.272	1.039	0.152	0.957	56.805
	Linear Functions	4	2476	2.051	1.112	0.273	0.948	51.282
	Linear Equations and Inequalities	4	2476	2.176	1.087	0.225	0.957	54.402
	Quadratic and Other Nonlinear Functions	4	2476	2.457	1.063	0.293	0.894	61.430
	Geometric Relationships and Spatial Reasoning	6	2476	2.899	1.320	0.232	1.157	48.317
	Two- and Three-Dimensional Representations	6	2476	2.932	1.399	0.330	1.145	48.862
	Measurement and Similarity	6	2476	2.394	1.279	0.241	1.114	39.896
	Percents/Proportions/Probability/Statistics	4	2476	2.492	0.898	0.179	0.814	62.298
	Mathematical Processes and Tools	6	2476	2.582	1.305	0.182	1.180	43.026
	Science	OVERALL TEST	44	2216	24.998	6.816	0.797	3.072
Nature of Science		14	2216	8.467	2.836	0.652	1.674	60.479
Organization of Living Systems		6	2216	3.100	1.365	0.237	1.192	51.662
Interdependence of Organisms and the Environment		6	2216	3.138	1.423	0.338	1.158	52.301
Structures and Properties of Matter		9	2216	4.819	1.701	0.314	1.409	53.545
Motion, Forces, and Energy		9	2216	5.474	1.896	0.478	1.370	60.820
Social Studies	OVERALL TEST	44	1919	25.490	7.079	0.813	3.058	57.933
	Issues and Events in U.S. History	10	1919	5.694	1.958	0.425	1.485	56.941
	Geographic Influences on History	7	1919	4.329	1.589	0.417	1.213	61.848
	Economic and Social Influences on History	10	1919	5.177	2.085	0.498	1.477	51.767
	Political Influences on History	7	1919	4.389	1.568	0.405	1.209	62.696
	Critical-Thinking Skills	10	1919	5.902	2.154	0.564	1.423	59.015

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

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

*** Multiple-choice and gridded items only

Grade 11 TAKS Modified (Spring 2013) Hispanic/Latino

Subject	Test Objective	Score Point*	N	Mean	SD	Alpha**	SEM	Mean P-Value***
ELA	OVERALL TEST	45	4210	29.893	8.557	0.899	2.722	69.057
	Basic Understanding	7	4210	4.864	1.712	0.596	1.088	69.488
	Literary Elements and Techniques	7	4210	5.027	1.694	0.609	1.060	71.815
	Analysis and Critical Evaluation	8	4210	5.911	1.939	0.679	1.099	73.893
Mathematics	Revising and Editing	14	4210	9.058	2.955	0.700	1.619	64.700
	OVERALL TEST	48	5018	25.350	6.879	0.783	3.207	52.812
	Functional Relationships	4	5018	1.953	1.074	0.194	0.965	48.819
	Properties and Attributes of Functions	4	5018	2.369	1.071	0.235	0.937	59.217
	Linear Functions	4	5018	2.172	1.115	0.296	0.935	54.300
	Linear Equations and Inequalities	4	5018	2.234	1.104	0.268	0.945	55.849
	Quadratic and Other Nonlinear Functions	4	5018	2.487	1.074	0.313	0.890	62.166
	Geometric Relationships and Spatial Reasoning	6	5018	3.062	1.363	0.275	1.161	51.026
	Two- and Three-Dimensional Representations	6	5018	3.285	1.398	0.367	1.112	54.746
	Measurement and Similarity	6	5018	2.630	1.338	0.305	1.115	43.826
	Percents/Proportions/Probability/Statistics	4	5018	2.516	0.923	0.212	0.820	62.904
	Mathematical Processes and Tools	6	5018	2.643	1.353	0.241	1.179	44.058
	Science	OVERALL TEST	44	4577	24.856	6.898	0.802	3.069
Nature of Science		14	4577	8.337	2.843	0.652	1.678	59.552
Organization of Living Systems		6	4577	3.112	1.387	0.267	1.187	51.864
Interdependence of Organisms and the Environment		6	4577	3.129	1.426	0.339	1.160	52.145
Structures and Properties of Matter		9	4577	4.758	1.700	0.302	1.420	52.863
Motion, Forces, and Energy		9	4577	5.521	1.941	0.519	1.346	61.341
Social Studies	OVERALL TEST	44	3995	25.282	7.072	0.812	3.068	57.459
	Issues and Events in U.S. History	10	3995	5.518	1.963	0.424	1.490	55.181
	Geographic Influences on History	7	3995	4.284	1.599	0.425	1.213	61.198
	Economic and Social Influences on History	10	3995	5.273	2.118	0.511	1.481	52.726
	Political Influences on History	7	3995	4.277	1.585	0.415	1.212	61.105
	Critical-Thinking Skills	10	3995	5.930	2.171	0.573	1.419	59.302

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

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

*** Multiple-choice and gridded items only

Grade 11 TAKS Modified (Spring 2013) White

Subject	Test Objective	Score Point*	N	Mean	SD	Alpha**	SEM	Mean P-Value***
ELA	OVERALL TEST	45	2513	32.911	8.148	0.904	2.526	76.713
	Basic Understanding	7	2513	5.474	1.560	0.611	0.973	78.193
	Literary Elements and Techniques	7	2513	5.502	1.561	0.619	0.964	78.603
	Analysis and Critical Evaluation	8	2513	6.460	1.751	0.684	0.985	80.750
	Revising and Editing	14	2513	10.181	2.942	0.746	1.483	72.722
Mathematics	OVERALL TEST	48	3251	26.566	7.379	0.814	3.186	55.345
	Functional Relationships	4	3251	2.007	1.091	0.231	0.957	50.169
	Properties and Attributes of Functions	4	3251	2.380	1.068	0.227	0.939	59.489
	Linear Functions	4	3251	2.215	1.146	0.339	0.931	55.375
	Linear Equations and Inequalities	4	3251	2.256	1.143	0.338	0.930	56.406
	Quadratic and Other Nonlinear Functions	4	3251	2.583	1.048	0.301	0.876	64.580
	Geometric Relationships and Spatial Reasoning	6	3251	3.237	1.383	0.302	1.155	53.942
	Two- and Three-Dimensional Representations	6	3251	3.373	1.436	0.397	1.115	56.224
	Measurement and Similarity	6	3251	2.885	1.467	0.439	1.098	48.083
	Percents/Proportions/Probability/Statistics	4	3251	2.735	0.913	0.249	0.791	68.379
	Mathematical Processes and Tools	6	3251	2.895	1.411	0.306	1.176	48.247
Science	OVERALL TEST	44	2670	27.775	7.169	0.830	2.956	63.124
	Nature of Science	14	2670	9.416	2.804	0.673	1.604	67.261
	Organization of Living Systems	6	2670	3.328	1.407	0.306	1.172	55.474
	Interdependence of Organisms and the Environment	6	2670	3.587	1.456	0.411	1.117	59.782
	Structures and Properties of Matter	9	2670	5.268	1.739	0.374	1.375	58.531
	Motion, Forces, and Energy	9	2670	6.175	1.930	0.559	1.282	68.610
Social Studies	OVERALL TEST	44	2223	28.416	7.729	0.857	2.919	64.582
	Issues and Events in U.S. History	10	2223	6.004	2.048	0.496	1.453	60.045
	Geographic Influences on History	7	2223	4.701	1.647	0.512	1.150	67.155
	Economic and Social Influences on History	10	2223	6.203	2.277	0.622	1.401	62.033
	Political Influences on History	7	2223	4.671	1.598	0.478	1.155	66.731
	Critical-Thinking Skills	10	2223	6.836	2.222	0.649	1.317	68.363

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

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

*** Multiple-choice and gridded items only