

## Appendix A: STAR Reporting Clusters

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The tables in this appendix present the reporting clusters, the number of items in each reporting cluster, and the average percent correct for a sample of students statewide for all 2010 CSTs, CMA for grades three through eight (grade-level ELA and mathematics and science for grades five and eight), and grades two through eleven of the STS.

The last three columns of each table, labeled “All,” “Minimally Proficient” and “Minimally Advanced,” provide the expected average percent-correct scores on each cluster for a representative sample of the state’s students as well as the average percent correct for a representative sample of the state’s students who scored at the lowest score for proficient and at the lowest score for advanced. For the CSTs, for example, a sample of students statewide who obtained a scale score of exactly 350 or the lowest reported scale score above 350; and for advanced, a sample of students statewide who scored at the lowest score for advanced.

Because the goal for the state is for all students to score at the proficient level or above, a useful benchmark for interpreting cluster scores is the performance on the cluster for students who scored between minimally proficient and minimally advanced on the total test. These average percent-correct values provide information about the relative difficulty of different clusters, which is important to take into account when considering the performance of students in the school or district.

## CST Reporting Clusters

### CSTs for English–Language Arts

CALIFORNIA ENGLISH–LANGUAGE ARTS STANDARDS TESTS					
Number of Questions for 2010 Reporting Clusters and the Average Percent Correct on Each Reporting Cluster					
Grade	Reporting Cluster	No. of Questions	Avg % Correct Statewide		
			All	Minimally Proficient	Minimally Advanced
<b>Grade Two</b>					
	Word Analysis and Vocabulary Development	22	73	77	89
	Reading Comprehension	15	65	67	84
	Literary Response and Analysis	6	76	83	93
	Written Conventions	14	66	68	86
	Writing Strategies	8	58	57	78
<b>Grade Three</b>					
	Word Analysis and Vocabulary Development	20	71	78	90
	Reading Comprehension	15	69	77	87
	Literary Response and Analysis	8	77	86	95
	Written Conventions	13	61	66	82
	Writing Strategies	9	64	71	87
<b>Grade Four</b>					
	Word Analysis and Vocabulary Development	18	73	71	86
	Reading Comprehension	15	68	63	79
	Literary Response and Analysis	9	69	63	80
	Written Conventions	18	73	71	84
	Writing Strategies	15	66	62	76
<b>Grade Five</b>					
	Word Analysis and Vocabulary Development	14	64	62	80
	Reading Comprehension	16	65	64	81
	Literary Response and Analysis	12	70	67	87
	Written Conventions	17	71	71	83
	Writing Strategies	16	69	69	84
<b>Grade Six</b>					
	Word Analysis and Vocabulary Development	13	71	74	87
	Reading Comprehension	17	63	62	78
	Literary Response and Analysis	12	68	70	83
	Written Conventions	16	73	75	86
	Writing Strategies	17	58	57	74
<b>Grade Seven</b>					
	Word Analysis and Vocabulary Development	11	68	68	85
	Reading Comprehension	18	70	71	87
	Literary Response and Analysis	13	65	67	81
	Written Conventions	16	69	69	83
	Writing Strategies	17	57	54	75
	Writing Applications	1 (8 points)	74	74	81

<b>CALIFORNIA ENGLISH–LANGUAGE ARTS STANDARDS TESTS</b>					
<b>Number of Questions for 2010 Reporting Clusters and the Average Percent Correct on Each Reporting Cluster</b>					
<b>Grade</b>	<b>Reporting Cluster</b>	<b>No. of Questions</b>	<b>Avg % Correct Statewide</b>		
			<b>All</b>	<b>Minimally Proficient</b>	<b>Minimally Advanced</b>
<b>Grade Eight</b>					
	Word Analysis and Vocabulary Development	8	65	64	77
	Reading Comprehension	18	72	75	86
	Literary Response and Analysis	15	66	66	81
	Written Conventions	16	67	67	81
	Writing Strategies	17	63	62	78
<b>Grade Nine</b>					
	Word Analysis and Vocabulary Development	8	70	73	82
	Reading Comprehension	18	67	67	85
	Literary Response and Analysis	16	59	58	76
	Written Conventions	13	65	66	81
	Writing Strategies	20	62	62	77
<b>Grade Ten</b>					
	Word Analysis and Vocabulary Development	8	72	80	90
	Reading Comprehension	18	68	76	89
	Literary Response and Analysis	16	61	66	79
	Written Conventions	13	67	74	84
	Writing Strategies	20	63	68	81
<b>Grade Eleven</b>					
	Word Analysis and Vocabulary Development	8	73	82	89
	Reading Comprehension	19	61	69	84
	Literary Response and Analysis	17	58	62	75
	Written Conventions	9	68	77	85
	Writing Strategies	22	63	72	84

**CSTs for Mathematics**

<b>CALIFORNIA MATHEMATICS STANDARDS TESTS</b>					
<b>Number of Questions for 2010 Reporting Clusters and the Average Percent Correct on Each Reporting Cluster</b>					
<b>Grade/ Test</b>	<b>Reporting Cluster</b>	<b>No. of Questions</b>	<b>Avg % Correct Statewide</b>		
			<b>All</b>	<b>Minimally Proficient</b>	<b>Minimally Advanced</b>
<b>GRADE-LEVEL MATHEMATICS</b>					
<b>Grade Two</b>					
	Place Value, Addition, and Subtraction	15	75	74	87
	Multiplication, Division, and Fractions	23	78	77	90
	Algebra and Functions	6	76	73	87
	Measurement and Geometry	14	78	76	86
	Statistics, Data Analysis, and Probability	7	76	73	87
<b>Grade Three</b>					
	Place Value, Fractions, and Decimals	16	78	74	87
	Addition, Subtraction, Multiplication, Division	16	75	70	87
	Algebra and Functions	12	74	68	86
	Measurement and Geometry	16	82	79	90
	Statistics, Data Analysis, and Probability	5	84	83	91
<b>Grade Four</b>					
	Decimals, Fractions, and Negative Numbers	17	82	79	90
	Operations and Factoring	14	76	69	88
	Algebra and Functions	18	83	83	93
	Measurement and Geometry	12	70	60	78
	Statistics, Data Analysis, and Probability	4	78	72	83
<b>Grade Five</b>					
	Estimation, Percents, and Factoring	12	67	60	83
	Operations with Fractions and Decimals	17	67	61	83
	Algebra and Functions	17	71	67	85
	Measurement and Geometry	15	64	57	78
	Statistics, Data Analysis, and Probability	4	83	85	96
<b>Grade Six</b>					
	Ratios, Proportions, Percentages, Negative Fractions	15	64	63	83
	Operations and Problem Solving with Fractions	10	70	72	88
	Algebra and Functions	19	70	72	89
	Measurement and Geometry	10	61	59	81
	Statistics, Data Analysis, and Probability	11	61	61	80
<b>Grade Seven</b>					
	Rational Numbers	14	59	58	82
	Exponents, Powers, and Roots	8	58	59	82
	Quantitative Relationships and Evaluating Expressions	10	62	64	80
	Multistep Problems, Graphing, and Functions	15	62	64	83
	Measurement and Geometry	13	57	58	78
	Statistics, Data Analysis, and Probability	5	66	71	88

<b>CALIFORNIA MATHEMATICS STANDARDS TESTS</b>					
<b>Number of Questions for 2010 Reporting Clusters and the Average Percent Correct on Each Reporting Cluster</b>					
<b>Grade/ Test</b>	<b>Reporting Cluster</b>	<b>No. of Questions</b>	<b>Avg % Correct Statewide</b>		
			<b>All</b>	<b>Minimally Proficient</b>	<b>Minimally Advanced</b>
<b>END-OF-COURSE MATHEMATICS</b>					
<b>General Mathematics</b>					
	Rational Numbers	14	48	61	84
	Exponents, Powers, and Roots	10	47	62	85
	Quantitative Relationships and Evaluating Expressions	11	57	73	88
	Multistep Problems, Graphing, and Functions	10	51	64	83
	Measurement and Geometry	11	42	52	73
	Statistics, Data Analysis, and Probability	9	55	69	85
<b>Algebra I</b>					
	Number Properties, Operations, and Linear Equations	17	60	72	87
	Graphing and Systems of Linear Equations	14	49	59	84
	Quadratics and Polynomials	21	47	56	80
	Functions and Rational Expressions	13	40	44	66
<b>Geometry</b>					
	Logic and Geometric Proofs	23	57	72	88
	Volume and Area Formulas	11	50	61	85
	Angle Relationships, Constructions, and Lines	16	53	65	83
	Trigonometry	15	55	70	87
<b>Algebra II</b>					
	Polynomials and Rational Expressions	19	61	72	87
	Quadratics, Conics, and Complex Numbers	16	50	59	79
	Exponents and Logarithms	16	56	67	83
	Series, Combinatorics, Probability and Statistics	14	50	58	75
<b>Summative High School Mathematics</b>					
	Algebra I	18	78	80	92
	Geometry	19	74	76	90
	Algebra II	23	70	71	88
	Probability and Statistics	5	61	59	81
<b>Integrated Mathematics 1</b>					
	Number Properties, Operations, and Linear Equations	15	59	79	92
	Graphing	9	42	66	86
	Quadratics and Polynomials	14	39	59	86
	Functions and Rational Expressions	7	36	53	77
	Geometry	20	32	41	60
<b>Integrated Mathematics 2</b>					
	Algebra I	20	49	59	78
	Logic and Geometric Proofs	22	46	57	79
	Angle Relationships, Constructions, and Lines	8	51	63	83
	Trigonometry	10	42	49	76
	Algebra II/Probability and Statistics	5	34	33	56

<b>CALIFORNIA MATHEMATICS STANDARDS TESTS</b>					
<b>Number of Questions for 2010 Reporting Clusters and the Average Percent Correct on Each Reporting Cluster</b>					
<b>Grade/ Test</b>	<b>Reporting Cluster</b>	<b>No. of Questions</b>	<b>Avg % Correct Statewide</b>		
			<b>All</b>	<b>Minimally Proficient</b>	<b>Minimally Advanced</b>
<b>Integrated Mathematics 3</b>					
	Geometry	5	70	84	90
	Polynomials and Rational Expressions	19	49	55	78
	Quadratics, Conics, and Complex Numbers	16	46	48	72
	Exponents and Logarithms	16	52	63	81
	Series, Combinatorics, Probability and Statistics	9	44	50	69

**CSTs for Science**

<b>CALIFORNIA SCIENCE STANDARDS TESTS</b>					
<b>Number of Questions for 2010 Reporting Clusters and the Average Percent Correct on Each Reporting Cluster</b>					
<b>Grade/ Test</b>	<b>Reporting Cluster</b>	<b>No. of Questions</b>	<b>Avg % Correct Statewide</b>		
			<b>All</b>	<b>Minimally Proficient</b>	<b>Minimally Advanced</b>
<b>GRADE-LEVEL SCIENCE</b>					
<b>Grade Five Science (Grades Four and Five Standards)</b>					
	Physical Science, Grade Five	11	69	69	86
	Physical Science, Grade Four	8	68	67	85
	Life Science, Grade Five	13	72	73	89
	Life Science, Grade Four	9	70	69	86
	Earth Science, Grade Five	11	70	71	84
	Earth Science, Grade Four	8	70	70	89
<b>Grade Eight Science</b>					
	Motion	8	62	55	69
	Forces, Density, and Buoyancy	13	74	75	84
	Structure of Matter and Periodic Table	16	65	61	76
	Earth in the Solar System	7	71	70	79
	Reactions and the Chemistry of Living Systems	10	66	64	76
	Investigation and Experimentation	6	78	80	89
<b>Grade Ten Life Science</b>					
	Cell Biology	10	57	57	73
	Genetics	12	58	60	75
	Physiology	10	68	74	86
	Ecology	11	66	71	85
	Evolution	11	65	72	85
	Investigation and Experimentation	6	76	83	90
<b>END-OF-COURSE SCIENCE</b>					
<b>Biology</b>					
	Cell Biology	9	56	56	72
	Genetics	18	62	65	80
	Ecology and Evolution	16	62	66	83
	Physiology	11	69	78	90
	Investigation and Experimentation	6	62	68	80
<b>Chemistry</b>					
	Atomic and Molecular Structure	8	63	69	82
	Chemical Bonds, Biochemistry	9	68	75	89
	Kinetics, Thermodynamics	14	63	70	85
	Chemical Reactions	13	56	63	80
	Conservation of Matter and Stoichiometry	10	62	70	88
	Investigation and Experimentation	6	67	78	89
<b>Earth Science</b>					
	Astronomy and Cosmology	12	52	61	80
	Solid Earth	14	57	69	80
	The Earth's Energy	28	54	66	85
	Investigation and Experimentation	6	63	79	91

CALIFORNIA SCIENCE STANDARDS TESTS					
Number of Questions for 2010 Reporting Clusters and the Average Percent Correct on Each Reporting Cluster					
Grade/ Test	Reporting Cluster	No. of Questions	Avg % Correct Statewide		
			All	Minimally Proficient	Minimally Advanced
<b>Physics</b>					
	Motion and Forces	12	60	61	79
	Conservation of Energy and Momentum	12	61	63	83
	Heat and Thermodynamics	9	64	65	84
	Waves	10	67	70	84
	Electric and Magnetic Phenomena	11	58	59	72
	Investigation and Experimentation	6	60	63	78
<b>Integrated/Coordinated 1</b>					
	Biology/Life Sciences	10	55	75	90
	Chemistry	15	42	56	77
	Earth Sciences	17	57	76	89
	Physics	12	44	59	78
	Investigation and Experimentation	6	47	68	83
<b>Integrated/Coordinated 2</b>					
	Biology/Life Sciences	15	57	73	84
	Chemistry	6	45	64	86
	Earth Sciences	15	54	74	89
	Physics	18	37	50	73
	Investigation and Experimentation	6	50	67	82
<b>Integrated/Coordinated 3</b>					
	Biology/Life Sciences	16	48	68	79
	Chemistry	23	40	56	79
	Earth Sciences	7	57	83	92
	Physics	8	38	49	72
	Investigation and Experimentation	6	55	76	86
<b>Integrated/Coordinated 4</b>					
	Biology/Life Sciences	13	56	83	91
	Chemistry	10	35	53	60
	Earth Sciences	15	44	76	96
	Physics	16	33	53	73
	Investigation and Experimentation	6	44	69	84



**CSTs for History–Social Science**

<b>CALIFORNIA HISTORY–SOCIAL SCIENCE STANDARDS TESTS</b>					
<b>Number of Questions for 2010 Reporting Clusters and the Average Percent Correct on Each Reporting Cluster</b>					
<b>Grade/ Test</b>	<b>Reporting Cluster</b>	<b>No. of Questions</b>	<b>Avg % Correct Statewide</b>		
			<b>All</b>	<b>Minimally Proficient</b>	<b>Minimally Advanced</b>
<b>GRADE-LEVEL HISTORY–SOCIAL SCIENCE</b>					
<b>Grade Eight (Grades Six, Seven, and Eight Standards)</b>					
	World History and Geography: Ancient Civilizations	16	64	67	78
	Late Antiquity and the Middle Ages	14	61	64	79
	Renaissance/Reformation	10	56	58	70
	U.S. Constitution and the Early Republic	22	62	67	80
	Civil War and Its Aftermath	13	63	68	84
<b>Grade Eleven (U.S. History)</b>					
	Foundations of American Political and Social Thought	10	59	62	80
	Industrialization and the U.S. Role as a World Power	13	63	68	84
	United States Between the World Wars	12	62	68	82
	World War II and Foreign Affairs	12	60	66	80
	Post-World War II Domestic Issues	13	61	68	82
<b>END-OF-COURSE HISTORY–SOCIAL SCIENCE</b>					
<b>World History</b>					
	Development of Modern Political Thought	13	64	70	83
	Industrial Expansion and Imperialism	10	64	73	85
	Causes and Effects of the First World War	14	62	71	85
	Causes and Effects of the Second World War	13	61	67	82
	International Developments in the Post-World War II Era	10	60	68	81

## CMA Reporting Clusters

*Note:* Reporting cluster data are not available for the CMA for ELA (Grade 9), the CMA for Life Science (Grade 10), or the CMA for Algebra I.

### CMA for English–Language Arts—Grades Three Through Eight Only

CALIFORNIA ENGLISH–LANGUAGE ARTS MODIFIED ASSESSMENT					
Number of Questions for 2010 Reporting Clusters and the Average Percent Correct on Each Reporting Cluster					
Grade	Reporting Cluster	No. of Questions	Avg % Correct Statewide		
			All	Minimally Proficient	Minimally Advanced
<b>Grade Three</b>					
	Vocabulary	14	65	81	88
	Reading for Understanding	17	55	68	81
	Language	17	56	71	82
<b>Grade Four</b>					
	Vocabulary	11	60	73	83
	Reading for Understanding	16	55	65	78
	Language	21	52	60	73
<b>Grade Five</b>					
	Vocabulary	8	69	82	90
	Reading for Understanding	18	51	59	71
	Language	22	58	67	78
<b>Grade Six</b>					
	Vocabulary	9	58	68	75
	Reading for Understanding	22	54	62	74
	Language	23	56	66	74
<b>Grade Seven</b>					
	Vocabulary	8	55	66	75
	Reading for Understanding	22	56	68	80
	Language	24	55	67	77
	Writing Applications Score	1 (4 points)	58	65	68
<b>Grade Eight</b>					
	Vocabulary	6	64	82	92
	Reading for Understanding	24	53	65	76
	Language	24	53	65	76

**CMA for Mathematics—Grade Level Only**

CALIFORNIA MATHEMATICS MODIFIED ASSESSMENT					
Number of Questions for 2010 Reporting Clusters and the Average Percent Correct on Each Reporting Cluster					
Grade	Reporting Cluster	No. of Questions	Avg % Correct Statewide		
			All	Minimally Proficient	Minimally Advanced
<b>Grade Three</b>					
	Number Sense	24	58	67	88
	Algebra and Data Analysis	13	63	75	90
	Measurement and Geometry	11	73	83	92
<b>Grade Four</b>					
	Number Sense	23	63	70	85
	Algebra and Data Analysis	15	50	55	71
	Measurement and Geometry	10	51	55	68
<b>Grade Five</b>					
	Number Sense	21	62	70	84
	Algebra and Data Analysis	17	62	70	84
	Measurement and Geometry	10	52	55	71
<b>Grade Six</b>					
	Number Sense	21	56	62	75
	Algebra and Data Analysis	25	55	63	77
	Measurement and Geometry	8	47	53	64
<b>Grade Seven</b>					
	Number Sense	18	48	54	65
	Algebra and Data Analysis	25	49	59	74
	Measurement and Geometry	11	43	50	63

**CMA for Science—Grades Five and Eight Only**

<b>CALIFORNIA SCIENCE MODIFIED ASSESSMENT</b>					
<b>Number of Questions for 2010 Reporting Clusters and the Average Percent Correct on Each Reporting Cluster</b>					
<b>Grade/ Test</b>	<b>Reporting Cluster</b>	<b>No. of Questions</b>	<b>Avg % Correct Statewide</b>		
			<b>All</b>	<b>Minimally Proficient</b>	<b>Minimally Advanced</b>
<b>Grade Five Science</b>					
	Physical Sciences	16	59	62	76
	Life Sciences	16	61	66	81
	Earth Sciences	16	61	66	81
<b>Grade Eight Science</b>					
	Motion	19	57	65	78
	Matter	23	48	55	68
	Earth Science	7	58	66	79
	Investigation and Experimentation	5	56	67	79

## STS Reporting Clusters

### STS for Reading/Language Arts—Grades Two Through Seven

CALIFORNIA STANDARDS-BASED READING/LANGUAGE ARTS TEST					
Number of Questions for 2010 Reporting Clusters and the Average Percent Correct on Each Reporting Cluster					
Grade	Reporting Cluster	No. of Questions	Avg % Correct Statewide		
			All	Minimally Proficient	Minimally Advanced
<b>Grade Two</b>					
	Word Analysis and Vocabulary Development	22	69	78	89
	Reading Comprehension	15	60	73	87
	Literary Response and Analysis	6	58	70	80
	Written Conventions	14	63	76	88
	Writing Strategies	8	44	51	68
<b>Grade Three</b>					
	Word Analysis and Vocabulary Development	20	67	78	89
	Reading Comprehension	15	55	64	81
	Literary Response and Analysis	8	49	54	69
	Written Conventions	13	60	72	86
	Writing Strategies	9	56	67	81
<b>Grade Four</b>					
	Word Analysis and Vocabulary Development	18	65	76	87
	Reading Comprehension	15	50	59	76
	Literary Response and Analysis	9	50	60	72
	Written Conventions	18	66	79	88
	Writing Strategies	15	53	65	77
<b>Grade Five</b>					
	Word Analysis and Vocabulary Development	14	47	58	76
	Reading Comprehension	16	44	57	72
	Literary Response and Analysis	12	44	56	75
	Written Conventions	17	56	69	80
	Writing Strategies	16	48	58	76
<b>Grade Six</b>					
	Word Analysis and Vocabulary Development	13	42	51	70
	Reading Comprehension	17	51	62	75
	Literary Response and Analysis	12	50	58	72
	Written Conventions	16	56	70	84
	Writing Strategies	17	43	52	70
<b>Grade Seven</b>					
	Word Analysis and Vocabulary Development	11	61	75	88
	Reading Comprehension	18	48	57	73
	Literary Response and Analysis	13	53	62	79
	Written Conventions	16	55	67	81
	Writing Strategies	17	51	62	77

**STS for Reading/Language Arts—Grades Eight Through Eleven**

*Note:* The proficiency range and minimally advanced data are available for grades two through seven (grade-level RLA) only. For the grade-level RLA tests for grades eight through eleven, the “All Percent Correct” column provides the expected average percent-correct scores on each cluster for a representative sample of the state’s students who took the STS.

<b>CALIFORNIA STANDARDS-BASED READING/LANGUAGE ARTS TEST</b>			
<b>Number of Questions for 2010 Reporting Clusters and the Average Percent Correct on Each Reporting Cluster</b>			
<b>Grade</b>	<b>Reporting Cluster</b>	<b>No. of Questions</b>	<b>Avg Pct Correct Statewide—All</b>
<b>Grade Eight</b>			
	Word Analysis and Vocabulary Development	9	61
	Reading Comprehension	18	51
	Literary Response and Analysis	15	59
	Written Conventions	16	62
	Writing Strategies	17	50
<b>Grade Nine</b>			
	Word Analysis and Vocabulary Development	8	68
	Reading Comprehension	18	55
	Literary Response and Analysis	16	53
	Written Conventions	13	53
	Writing Strategies	20	45
<b>Grade Ten</b>			
	Word Analysis and Vocabulary Development	8	73
	Reading Comprehension	18	56
	Literary Response and Analysis	16	56
	Written Conventions	13	55
	Writing Strategies	20	43
<b>Grade Eleven</b>			
	Word Analysis and Vocabulary Development	8	60
	Reading Comprehension	19	47
	Literary Response and Analysis	17	52
	Written Conventions	9	50
	Writing Strategies	22	53

**STS for Mathematics—Grades Two Through Seven**

CALIFORNIA MATHEMATICS STANDARDS TESTS					
Number of Questions for 2010 Reporting Clusters and the Average Percent Correct on Each Reporting Cluster					
Grade	Reporting Cluster	No. of Questions	Avg % Correct Statewide		
			All	Minimally Proficient	Minimally Advanced
<b>Grade Two</b>					
	Place Value, Addition, and Subtraction	15	66	65	84
	Multiplication, Division, and Fractions	23	66	66	84
	Algebra and Functions	6	60	54	81
	Measurement and Geometry	14	72	74	85
	Statistics, Data Analysis, and Probability	7	76	78	90
<b>Grade Three</b>					
	Place Value, Fractions, and Decimals	16	65	64	85
	Addition, Subtraction, Multiplication, Division	16	66	66	87
	Algebra and Functions	12	61	60	83
	Measurement and Geometry	16	67	68	81
	Statistics, Data Analysis, and Probability	5	78	82	93
<b>Grade Four</b>					
	Decimals, Fractions, and Negative Numbers	17	67	66	83
	Operations and Factoring	14	60	56	83
	Algebra and Functions	18	67	67	92
	Measurement and Geometry	12	62	63	77
	Statistics, Data Analysis, and Probability	4	55	56	67
<b>Grade Five</b>					
	Estimation, Percents, and Factoring	12	59	60	75
	Operations with Fractions and Decimals	17	48	47	65
	Algebra and Functions	17	57	64	78
	Measurement and Geometry	15	50	49	65
	Statistics, Data Analysis, and Probability	4	55	59	71
<b>Grade Six</b>					
	Ratios, Proportions, Percentages, and Negative Numbers	15	56	60	77
	Operations with Problem Solving with Fractions	10	54	60	71
	Algebra and Functions	19	56	66	75
	Measurement and Geometry	10	38	39	50
	Statistics, Data Analysis, and Probability	11	41	43	64
<b>Grade Seven</b>					
	Rational Numbers	14	46	54	72
	Exponents, Powers, and Roots	8	40	45	67
	Quantitative Relationships and Evaluating Expressions	10	41	47	60
	Multistep Problems, Graphing, and Functions	15	46	57	74
	Measurement and Geometry	13	47	57	74
	Statistics, Data Analysis, and Probability	5	49	60	78

**STS for Mathematics—EOC Mathematics**

*Note:* The proficiency range and minimally advanced data are available for grades two through seven (grade-level mathematics) only. For the EOC mathematics STS tests, the “All Percent Correct” column provides the expected average percent-correct scores on each cluster for a representative sample of the state’s students who took the STS.

<b>CALIFORNIA STANDARDS-BASED MATHEMATICS TEST</b>			
<b>Number of Questions for 2010 Reporting Clusters and the Average Percent Correct on Each Reporting Cluster</b>			
<b>Grade/ Test</b>	<b>Reporting Cluster</b>	<b>No. of Questions</b>	<b>Avg Pct Correct Statewide—All</b>
<b>Algebra I</b>			
	Number Properties, Operations, and Linear Equations	17	45
	Graphing and Systems of Linear Equations	14	33
	Quadratics and Polynomials	21	42
	Functions and Rational Expressions	13	28
<b>Geometry</b>			
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