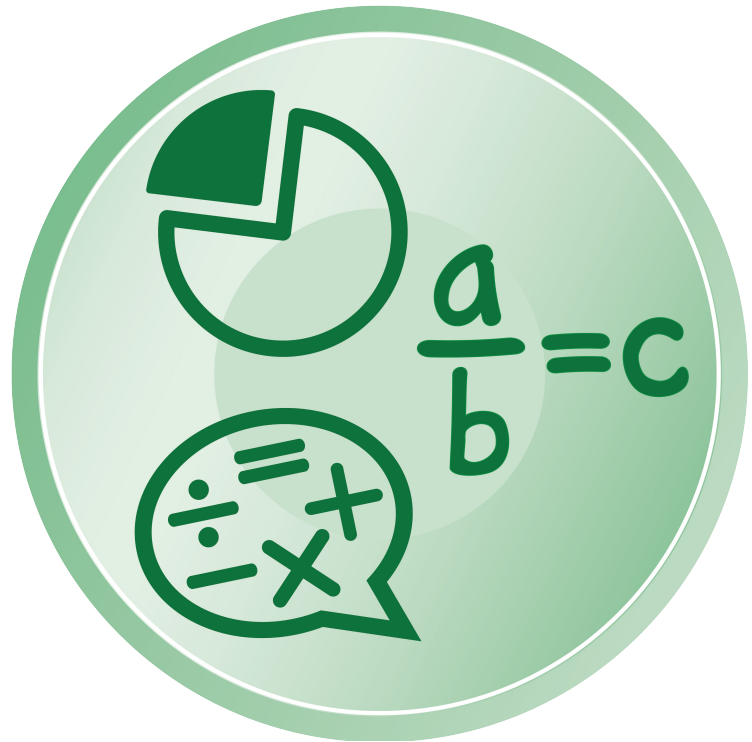# California Alternate Assessment

California Assessment of Student Performance and Progress

Practice Test Scoring Guide

Mathematics Grade Eight

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Practice Test Scoring Guide

Introduction to Practice Test Scoring Guide

The California Alternate Assessment (CAA) for Mathematics Practice Test Scoring Guide offers details about the items, student response types, correct responses, and related scoring considerations for the included samples of practice test items. The Practice Test gives students, parents and families, teachers, administrators, and others an opportunity to become familiar with the types of items on the CAA for Mathematics. When students know what to expect on the test, they will be better prepared to demonstrate their proficiency in the alternate achievement standards, called Core Content Connectors, assessed at grade eight. The practice test items are representative of the item types included in the CAA for Mathematics.

This scoring guide should be used alongside the online practice tests, which can be accessed at the Practice and Training Tests web page.

The following information is presented in a metadata table for each item on the Practice Test:

Item: This is the number that corresponds to the item as it appears in the Practice Test.

Key: This represents the correct answer(s) to the item and includes the score point value for the item and its parts. Items are worth either one or two points.

Category: This references the broad content area that contains related targets and standards.

Connector: This references the alternate achievement standard linked to a Common Core State Standard (CCSS).

Tier: This references the level of cognitive complexity of an item. Tier levels are 1, 2, and 3.

Grade Eight Mathematics Practice Test Items

Item	Key	Category	Connector	Tier
1	The first image, which shows a point graphed halfway between 2 and 3 on the number line (1 point)	The Number System	8.NO.1k3 Use approximations of irrational numbers to locate them on a number line.	1
2	A (1 point)	Statistics and Probability	8.DPS.1h1 Graph bivariate data using scatter plots and identify possible associations between the variable.	1
3	**Part A:** B (1 point) **Part B:** A (1 point)	Functions	8.PRF.1f2 Describe or select the relationship between the two quantities given a line graph of the situation.	2
4	C (1 point)	The Number System	8.NO.1k3 Use approximations of irrational numbers to locate them on a number line.	2
5	A (1 point)	Statistics and Probability	8.DPS.1k2 Analyze displays of bivariate data to develop or select appropriate claims about those data.	1
6	9 or 09 (1 point)	Expressions and Equations	8.PRF.1g3 Solve linear equations with 1 variable.	3
7	**Part A:** (0, 2) (1 point) **Part B:** $\frac{2}{3}$ (1 point)	Functions	8.PRF.2e2 Identify the rate of change (slope) and initial value (y-intercept) from graphs.	2
8	Second and fourth options (2 points) Both correct responses (1 point) One correct response	Statistics and Probability	8.DPS.1k2 Analyze displays of bivariate data to develop or select appropriate claims about those data.	2

Item	Key	Category	Connector	Tier
9	**First drop-down menu:** longer **Second drop-down menu:** more (2 points) Both correct responses (1 point) One correct response	Geometry	8.ME.1e1 Describe the changes in surface area, area, and volume when the figure is changed in some way (e.g., scale drawings).	1
10	C (1 point)	Functions	8.PRF.2e2 Identify the rate of change (slope) and initial value (*y*-intercept) from graphs.	3
11	B (1 point)	Geometry	8.GM.1g1 Recognize congruent and similar figures.	1
12	**Part A:** A (1 point) **Part B:** B (1 point)	Geometry	8.ME.1e1 Describe the changes in surface area, area, and volume when the figure is changed in some way (e.g., scale drawings).	3
13	C (1 point)	The Number System	8.NO.1k3 Use approximations of irrational numbers to locate them on a number line.	3
14	The third image, which shows two congruent pentagons (1 point)	Geometry	8.GM.1g1 Recognize congruent and similar figures.	2
15	C (1 point)	Geometry	8.ME.2d2 Apply the formula to find the volume of 3-dimensional shapes (i.e., cubes, spheres, and cylinders).	3
16	First and third options (2 points) Both correct responses (1 point) One correct response	Expressions and Equations	8.PRF.1e2 Represent proportional relationships on a line graph.	2
17	**Drop-down menu:** equal to (1 point)	Statistics and Probability	8.DPS.1h1 Graph bivariate data using scatter plots and identify possible associations between the variable.	2
18	3 (1 point)	Expressions and Equations	8.PRF.1g3 Solve linear equations with 1 variable.	2

Item	Key	Category	Connector	Tier
19	**Part A:** A (1 point) **Part B:** B (1 point)	Statistics and Probability	8.DPS.1k2 Analyze displays of bivariate data to develop or select appropriate claims about those data.	3
20	The square that is 2 spaces above 2 on the *x*-axis (1 point)	Statistics and Probability	8.DPS.1h1 Graph bivariate data using scatter plots and identify possible associations between the variable.	3
21	**Part A:** B (1 point) **Part B:** A (1 point)	Functions	8.PRF.1f2 Describe or select the relationship between the two quantities given a line graph of the situation.	1
22	**Part A:** C (1 point) **Part B:** C (1 point)	Geometry	8.ME.1e1 Describe the changes in surface area, area, and volume when the figure is changed in some way (e.g., scale drawings).	2
23	**Part A:** B (1 point) **Part B:** more (1 point)	Expressions and Equations	8.PRF.1e2 Represent proportional relationships on a line graph.	1
24	160 (1 point)	Geometry	8.ME.2d2 Apply the formula to find the volume of 3-dimensional shapes (i.e., cubes, spheres, and cylinders).	2
25	4 (1 point)	Functions	8.PRF.2e2 Identify the rate of change (slope) and initial value (*y*-intercept) from graphs.	1