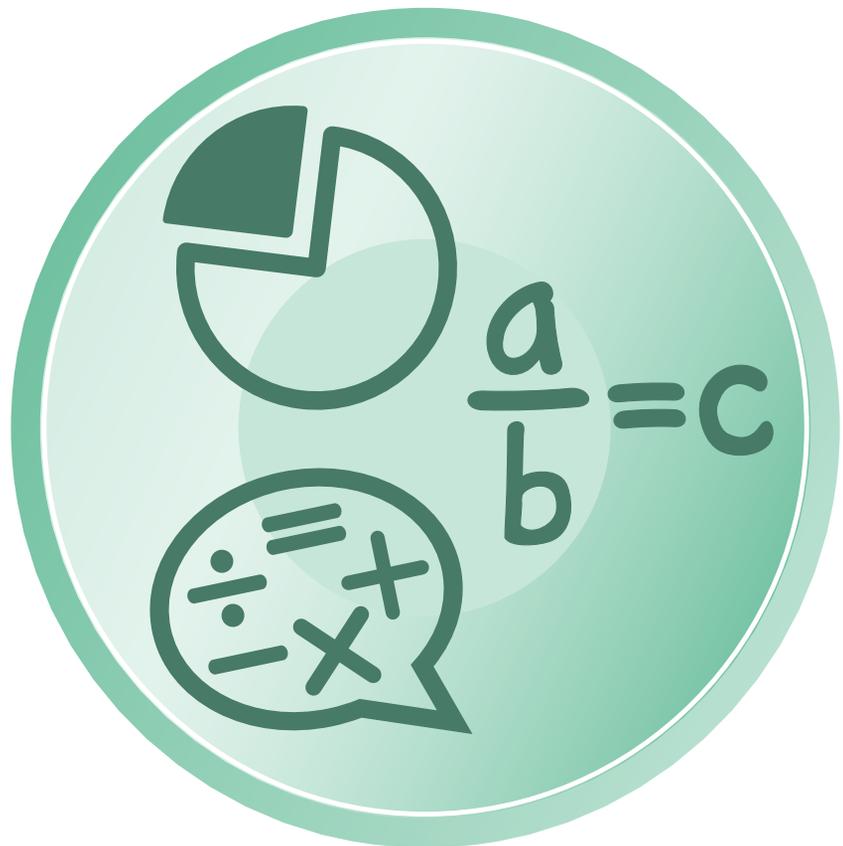# California Assessment of Student Performance and Progress

California Alternate Assessment
Practice Test
Scoring Guide

Mathematics
Grade Eight

California Alternate Assessment Practice Test Scoring Guide: Mathematics—Grade Eight

Table of Contents

Introduction to Practice Test Scoring Guide

The California Alternate Assessment (CAA) for Mathematics Practice Test Scoring Guide offers details about the test questions, student response types, correct responses, and related scoring considerations for the included samples of practice items. The Practice Test gives students, parents and families, teachers, administrators, and others an opportunity to become familiar with the types of test questions 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 https://www.caaspp.org/practice-and-training/index.html.

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 test question 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. For some technology-enhanced items, there is also a picture showing the correct answer(s).

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.

Example of Item Metadata

Item	Key	Category	Connector	Tier
1	4 (1 point)	Functions	8.PRF.2e2 Identify the rate of change (slope) and initial value (*y*-intercept) from graphs.	1

Grade Eight Math 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	Second and third options (2 points) The student selects the two correct responses. (1 point) The student selects one of the correct responses, but not both.	Expressions and Equations	8.PRF.1e2 Represent proportional relationships on a line graph.	3
3	C (1 point)	Geometry	8.ME.2d2 Apply the formula to find the volume of 3-dimensional shapes (i.e., cubes, spheres, and cylinders).	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	**First drop-down menu:** up **Second drop-down menu:** taller (2 points) The student selects the two correct responses. (1 point) The student selects one of the correct responses, but not both.	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

Item metadata table continuation showing items 7–13

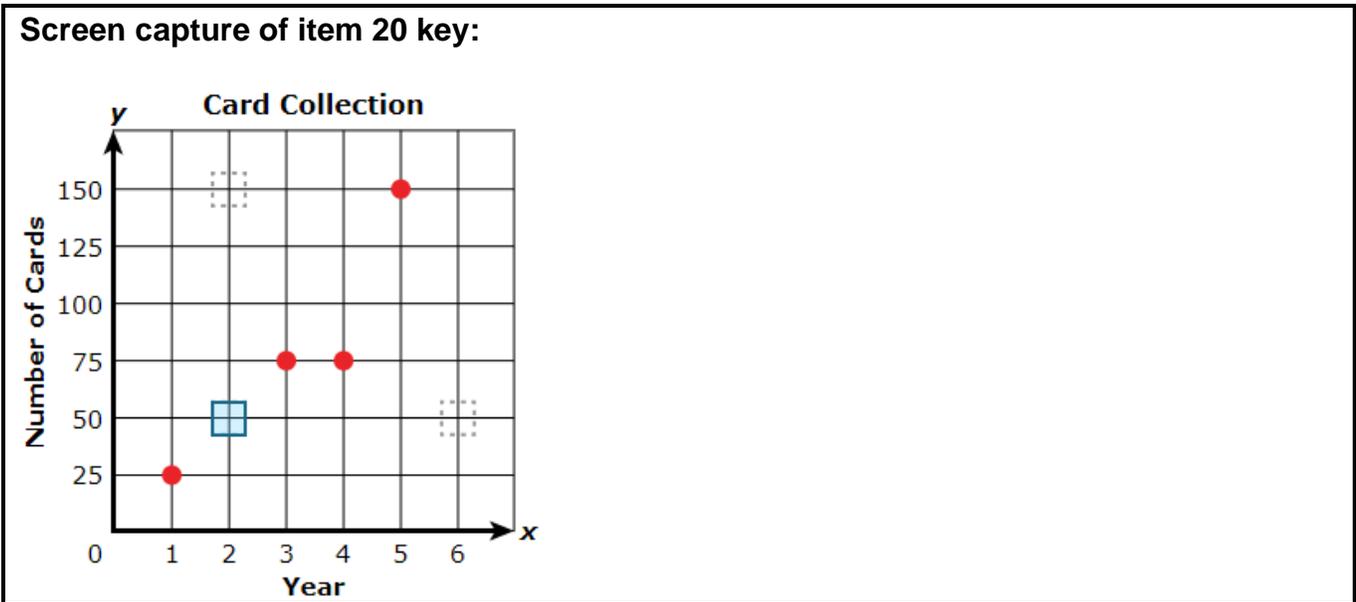| Item	Key	Category	Connector	Tier
7	**Part A:** (0, 2) (1 point) **Part B:** 2/3 (1 point)	Functions	8.PRF.2e2 Identify the rate of change (slope) and initial value (y-intercept) from graphs.	2
8	**Part A:** B (1 point) **Part B:** 40 (1 point)	Functions	8.PRF.1f2 Describe or select the relationship between the two quantities given a line graph of the situation.	1
9	**First drop-down menu:** longer **Second drop-down menu:** more (2 points) The student selects the two correct responses. (1 point) The student selects one of the correct responses, but not both.	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	**Drop down menu:** the same shape only (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	A (1 point)	The Number System	8.NO.1k3 Use approximations of irrational numbers to locate them on a number line.	3

Item metadata table continuation showing items 14–19

Item	Key	Category	Connector	Tier
14	The third image, which shows two congruent pentagons (1 point)	Geometry	8.GM.1g1 Recognize congruent and similar figures.	2
15	Second and third options (2 points) The student selects the two correct responses. (1 point) The student selects one of the correct responses, but not both.	Statistics and Probability	8.DPS.1k2 Analyze displays of bivariate data to develop or select appropriate claims about those data.	3
16	First and third options (2 points) The student selects the two correct responses. (1 point) The student selects one of the correct responses, but not both.	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
19	Third and fourth options (2 points) The student selects the two correct responses. (1 point) The student selects one of the correct responses, but not both.	Statistics and Probability	8.DPS.1k2 Analyze displays of bivariate data to develop or select appropriate claims about those data.	2

Item metadata table continuation showing item 20

Item	Key	Category	Connector	Tier
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

Screen capture of item 20 key:

Item metadata table continuation showing item 21

Item	Key	Category	Connector	Tier
21	**First drop-down menu:** 3 **Second drop-down menu:** Jenny (2 points) The student selects the two correct responses. (1 point) The student selects one of the correct responses, but not both.	Functions	8.PRF.1f2 Describe or select the relationship between the two quantities given a line graph of the situation.	1

Item metadata table continuation showing items 22–25

Item	Key	Category	Connector	Tier
22	Second and fourth options (2 points) The student selects the two correct responses. (1 point) The student selects one of the correct responses, but not both.	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