

CALIFORNIA

Assessment of Student Performance and Progress

California Alternate Assessments Practice Test Scoring Guide

Mathematics

Grade 6



California Assessment of
Student Performance and Progress

January 2019

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Guide Content

The California Alternate Assessment English Language Arts (ELA) Practice Test Scoring Guides provide details about the items, student response types, correct responses, and related scoring considerations for the California Alternate Assessment Practice Test items. The items selected for the Practice Test are designed to reflect

- a broad coverage of claims and targets that closely mirror the summative blueprint.
- a range of student response types.
- a breadth of difficulty levels across the items, ranging from easier to more difficult items.

It is important to note that all student response types are not fully represented on every practice test, but a distribution can be observed across all the practice tests. The items presented are reflective of refinements and adjustments to language based on pilot test results and expert recommendations from both content and accessibility perspectives.

Within this guide, each item is presented with the following information:

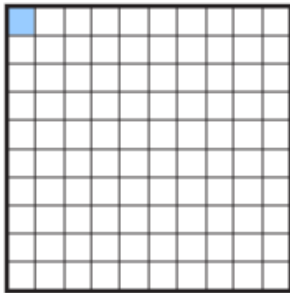
- **Grade:** Grade level for the item
- **Category:** a broad content area that contains related targets and standards (i.e., Writing)
- **Core Content Connector (Connector):** Alternative achievement standard linked to a Common Core State Standard (CCSS)
- **Tier:** Level that identifies the complexity of an item. Tiers levels are 1, 2, and 3.
- **Static presentation of the item:** static presentation of item from test administration system
- **Static presentation of student response field(s):** static presentation of response field from test administration system
- **Answer key or exemplar:** expected student response or example response from score point value
- **Rubric and applicable score points for each item:** score point representations for student responses

The following items are representative of the kinds of items that students can expect to experience when taking California Alternative ELA Assessment.

Grade Six Practice Test Items

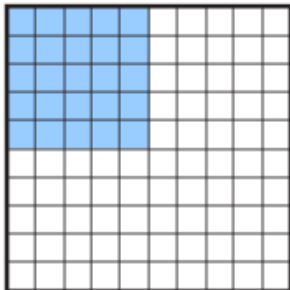
Item	Grade	Category	Connector	Tier
1	6	Ratios and Proportional Relationships	6.NO.1f1 Find a percent of a quantity as rate per 100.	1

This picture shows 100 small squares.



One of the small squares is shaded. This is 1%.

Here is another picture with small squares shaded.



What percent of the squares are shaded in this picture?

- (A) 20%
- (B) 25%
- (C) 30%

Key: B

Rubric: (1 point) The student selects the correct response.

Item	Grade	Category	Connector	Tier
2	6	Expressions and Equations	6.ME.2a2 Solve one-step real world measurement problems involving unit rates with ratios of whole numbers when given the unit rate (3 inches of snow falls per hour, how much in 6 hours).	2

Look at this picture.



Four quarters equal \$1.00.

Part A

A roll of quarters equals \$10.00.



There are quarters in 1 roll of quarters.

Part B

How many dollars are equal to 68 quarters?

68 quarters =

Key: 40, \$17.00

Rubric:

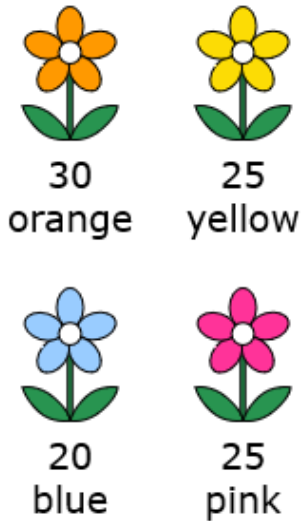
(2 points) The student selects the two correct responses.

(1 point) The student selects one of the correct responses, but not both.

Grade Six Practice Test Items

Item	Grade	Category	Connector	Tier
3	6	Ratios and Proportional Relationships	6.NO.1f1 Find a percent of a quantity as rate per 100.	3

There are 100 flowers.



What percent of the flowers are blue?

- (A) 20%
- (B) 25%
- (C) 30%

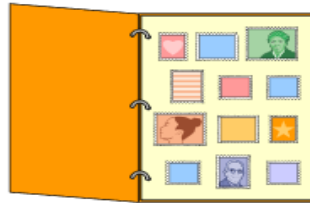
Key: A

Rubric: (1 point) The student selects the correct response.

Item	Grade	Category	Connector	Tier
4	6	Expressions and Equations	6.NO.2a6 Solve problems or word problems using up to three digit numbers and any of the four operations.	2

Part A

A student has 126 stamps. He will buy 76 more stamps. How many stamps will he have after buying more?

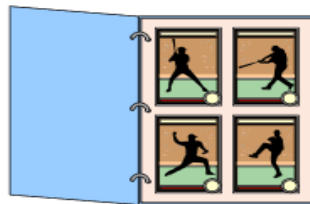


$126 + 76 = \underline{\hspace{2cm}}$

- (A) 50
- (B) 192
- (C) 202

Part B

A student has 348 trading cards. She will give 19 cards to a friend. How many cards will she have after giving some away?



$348 - 19 = \underline{\hspace{2cm}}$

- (A) 327
- (B) 329
- (C) 331

Key: C, B

Rubric:

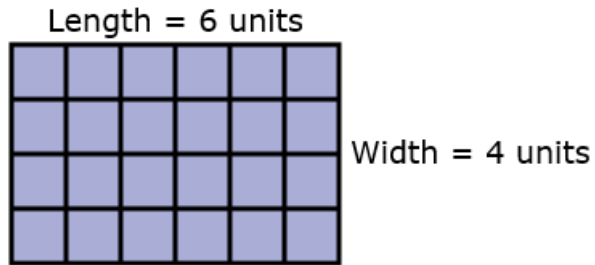
(2 points) The student selects the two correct responses.

(1 point) The student selects one of the correct responses, but not both.

Grade Six Practice Test Items

Item	Grade	Category	Connector	Tier
5	6	Geometry	6.GM.1d1 Find the area of quadrilaterals.	2

The area of a rectangle is the length times the width.



What is the area of the rectangle shown?

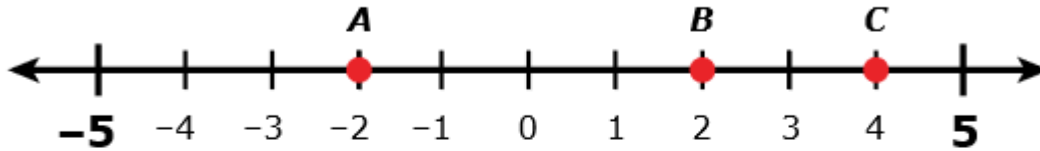
- Ⓐ 6 square units
- Ⓑ 10 square units
- Ⓒ 24 square units

Key: C

Rubric: (1 point) The student selects the correct response.

Item	Grade	Category	Connector	Tier
6	6	The Number System	6.NO.1d2 Locate positive and negative numbers on a number line.	3

Look at this number line.



Which point shows where 2 is on the number line?

- Ⓐ point A
- Ⓑ point B
- Ⓒ point C

Key: B

Rubric: (1 point) The student selects the correct response.

Grade Six Practice Test Items

Item	Grade	Category	Connector	Tier
7	6	Ratios and Proportional Relationships	6.NO.1f1 Find a percent of a quantity as rate per 100.	2

A teacher has a box of 100 pencils.

Of these, 15 are red, and the rest are yellow.



Out of 100 pencils, how many are yellow?

- (A) 15
- (B) 85

Key: B

Rubric: (1 point) The student selects the correct response.

Item	Grade	Category	Connector	Tier
8	6	The Number System	6.NO.2c3 Solve one-step, addition, subtraction, multiplication, or division problems with fractions or decimals.	1

Part A

$$\frac{3}{8} + \frac{4}{8} =$$

- Ⓐ $\frac{7}{16}$ Ⓑ $\frac{12}{16}$ Ⓒ $\frac{7}{8}$

Part B

$$\frac{9}{16} - \frac{5}{16} =$$

- Ⓐ $\frac{4}{16}$ Ⓑ $\frac{14}{16}$ Ⓒ $\frac{4}{1}$

Key: C, A

Rubric:

(2 points) The student selects the two correct responses.

(1 point) The student selects one of the correct responses, but not both.

Grade Six Practice Test Items

Item	Grade	Category	Connector	Tier
9	6	Ratios and Proportional Relationships	6.PRF.1c1 Describe the ratio relationship between two quantities for a given situation.	2

Which picture shows 1 plate to 2 bananas (1 : 2)?



Key: See exemplar.

Exemplar:

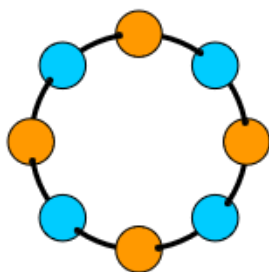


Rubric: (1 point) The student selects the correct response.

Item	Grade	Category	Connector	Tier
10	6	Expressions and Equations	6.ME.2a2 Solve one-step real world measurement problems involving unit rates with ratios of whole numbers when given the unit rate (3 inches of snow falls per hour, how much in 6 hours).	2

Part A

A student makes bracelets. There are 8 beads in each bracelet.



How many beads are in 6 bracelets?

- (A) 14
- (B) 24
- (C) 48

Part B

The student sold 12 bracelets for \$3 each.

The student earned a total of from selling 12 bracelets.

Key: C, \$36

Rubric:

(2 points) The student selects the two correct responses.

(1 point) The student select one of the correct responses, but not both.

Item	Grade	Category	Connector	Tier
11	6	The Number System	6.NO.1d4 Select the appropriate meaning of a negative number in a real world situation.	2

Which of these could be shown with a negative number? Choose two.

winning \$5 in a raffle

throwing away 4 plastic spoons

diving 12 feet below sea level

adding 20 beads to make a bracelet

Key: See exemplar.

Exemplar:

winning \$5 in a raffle

throwing away 4 plastic spoons

diving 12 feet below sea level

adding 20 beads to make a bracelet

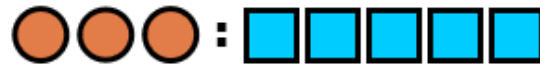
Rubric:

(2 points) The student selects the two correct responses.

(1 point) The student select one of the correct responses, but not both.

Item	Grade	Category	Connector	Tier
12	6	Ratios and Proportional Relationships	6.PRF.1c1 Describe the ratio relationship between two quantities for a given situation.	3

Here are circles and squares.



Which ratio shows the relationship between the circles and the squares?

- (A) 3:5
- (B) 3:4
- (C) 4:5

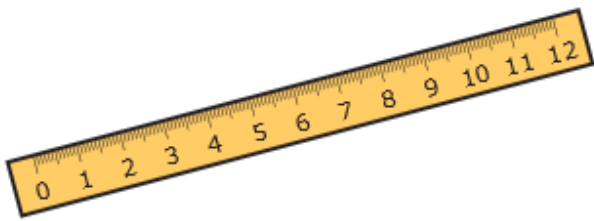
Key: A

Rubric: (1 point) The student selects the correct response.

Grade Six Practice Test Items

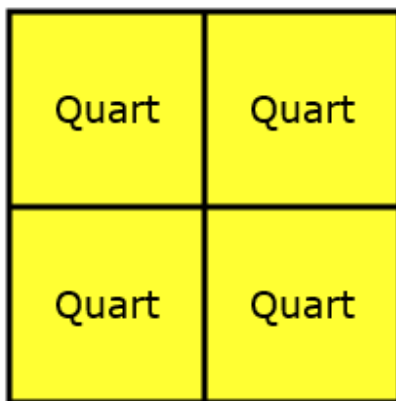
Item	Grade	Category	Connector	Tier
13	6	Expressions and Equations	6.ME.2a2 Solve one-step real world measurement problems involving unit rates with ratios of whole numbers when given the unit rate (3 inches of snow falls per hour, how much in 6 hours).	3

Look at this ruler.



Look at this picture.

Gallon



Part A

How many inches are in 1 foot?

- (A) 6
- (B) 12

Part B

There are quarts in 1 gallon.

Key: B, 4

Rubric:

(2 points) The student selects the two correct responses.

(1 point) The student selects one of the correct responses, but not both.

Item	Grade	Category	Connector	Tier
14	6	The Number System	6.NO.2c3 Solve one-step, addition, subtraction, multiplication, or division problems with fractions or decimals.	2

A student needs $2\frac{1}{2}$ cups of flour and $\frac{3}{4}$ cup of sugar to make 1 batch of cookies.

How many cups of flour and cups of sugar will the student need to make 3 batches of these cookies?

Choose the correct numbers and drag them to the boxes.

cups of flour

cups of sugar

$1\frac{1}{2}$

$2\frac{1}{4}$

$6\frac{1}{2}$

$7\frac{1}{2}$

Key: See exemplar.

Exemplar:

$7\frac{1}{2}$ cups of flour

$2\frac{1}{4}$ cups of sugar

Rubric:

(2 points) The student selects the two correct responses.

(1 point) The student selects one of the correct responses, but not both.

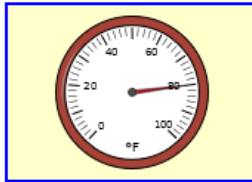
Grade Six Practice Test Items

Item	Grade	Category	Connector	Tier
15	6	The Number System	6.NO.1d4 Select the appropriate meaning of a negative number in a real world situation.	3

Which of these would need a negative number? Choose two.



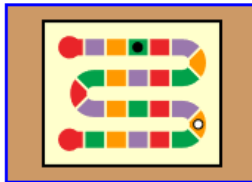
buying 5 presents



a 10 degree drop in temperature



walking 50 yards



losing 2 points in a game

Key: See exemplar.

Exemplar:



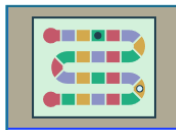
buying 5 presents



a 10 degree drop in temperature



walking 50 yards



losing 2 points in a game

Rubric:

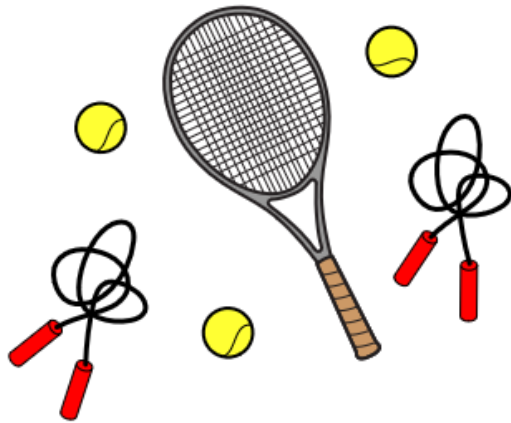
(2 points) The student selects the two correct responses.

(1 point) The student selects one of the correct responses, but not both.

Item	Grade	Category	Connector	Tier
16	6	Ratios and Proportional Relationships	6.PRF.1c1 Describe the ratio relationship between two quantities for a given situation.	1

A student has the following items in his closet.

- 2 jump ropes**
- 3 tennis balls**
- 1 tennis racket**



Part A

What is the ratio of jump ropes to tennis rackets?

- (A) 1 : 2
- (B) 2 : 1
- (C) 2 : 3

Part B

What is the ratio of tennis balls to jump ropes?

- (A) 1 : 3
- (B) 2 : 3
- (C) 3 : 2

Key: B, C

Rubric:

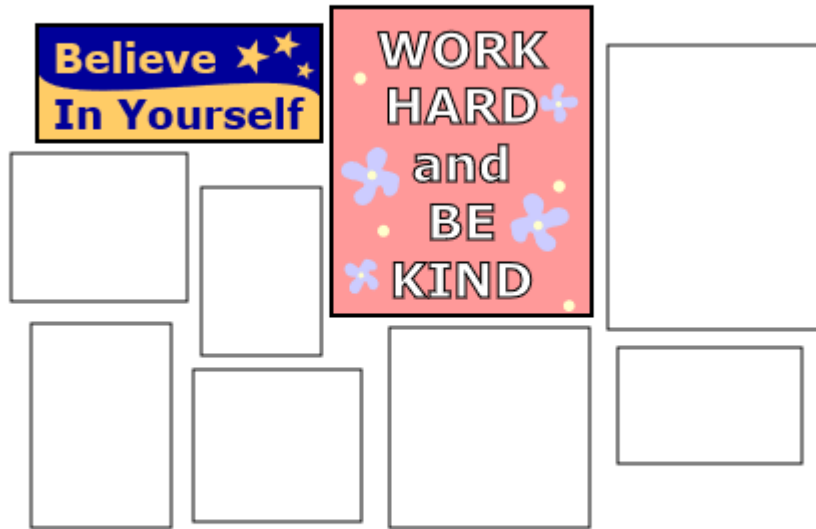
(2 points) The student selects the two correct responses.

(1 point) The student selects one of the correct responses, but not both.

Grade Six Practice Test Items

Item	Grade	Category	Connector	Tier
17	6	Expressions and Equations	6.PRF.1d1 Solve real world single-step linear equations.	1

A student needs 9 posters. He made 2 posters.



2 + ? = 9

The student needs to make more posters.

Key: 7

Rubric: (1 point) The student selects the correct response.

Item	Grade	Category	Connector	Tier
18	6	Statistics and Probability	6.DPS.1d3 Select statement that matches mean, mode, and spread of data for 1 measure of central tendency for given data set.	2

Look at this set of numbers.

{2, 4, 4, 7, 8}

What is the average of the numbers in the set?

- Ⓐ 4
- Ⓑ 5
- Ⓒ 6

Key: B

Rubric: (1 point) The student selects the correct response.

Item	Grade	Category	Connector	Tier
19	6	The Number System	6.NO.1d4 Select the appropriate meaning of a negative number in a real world situation.	2

Which of these could be shown with negative numbers? Choose two.

putting \$200 into a bank account

losing a quarter in a vending machine

taking \$100 from a bank account

finding 1 penny on the sidewalk

Key: See exemplar.

Exemplar:

putting \$200 into a bank account

losing a quarter in a vending machine

taking \$100 from a bank account

finding 1 penny on the sidewalk

Rubric:

(2 points) The student selects the two correct responses.

(1 point) The student selects one of the correct responses, but not both

Item	Grade	Category	Connector	Tier
20	6	The Number System	6.NO.2c3 Solve one-step, addition, subtraction, multiplication, or division problems with fractions or decimals.	1

Look at this star.



Here is $\frac{1}{2}$ of a star.



Part A

Which picture shows $1 + \frac{1}{2}$ stars?

(A)



(B)



Part B

Which picture shows $1 - \frac{1}{2}$ star?

(A)



(B)



Key: B, A

Rubric:

(2 points) The student selects the two correct responses.

(1 point) The student selects one of the correct responses, but not both.