# Table of Contents

<table>
<thead>
<tr>
<th>Guide Content</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grade Seven Practice Test Items</td>
<td>2</td>
</tr>
</tbody>
</table>
Guide Content

The California Alternate Assessment Mathematics 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. Tier 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 Alternate Mathematics Assessment.
Grade Seven Practice Test Items

<table>
<thead>
<tr>
<th>Item</th>
<th>Grade</th>
<th>Category</th>
<th>Connector</th>
<th>Tier</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>7</td>
<td>Statistics and Probability</td>
<td>7.DPS.1k1 Analyze graphs to determine or select appropriate comparative inferences about two samples or populations.</td>
<td>1</td>
</tr>
</tbody>
</table>

Look at this graph.

Key: brown, green

Rubric:

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

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

The eye color of the greatest number of students is [ ]

The eye color of the least number of students is [ ]
Each muffin at a bakery costs $0.50.

1 muffin : 50 cents

Which table shows the relationship of muffins to cost?

<table>
<thead>
<tr>
<th>Number of Muffins</th>
<th>2</th>
<th>4</th>
<th>5</th>
<th>7</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cost ($)</td>
<td>1.00</td>
<td>3.00</td>
<td>4.00</td>
<td>7.00</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Number of Muffins</th>
<th>2</th>
<th>4</th>
<th>5</th>
<th>7</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cost ($)</td>
<td>3.00</td>
<td>4.00</td>
<td>5.00</td>
<td>7.00</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Number of Muffins</th>
<th>2</th>
<th>4</th>
<th>5</th>
<th>7</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cost ($)</td>
<td>1.00</td>
<td>2.00</td>
<td>2.50</td>
<td>3.50</td>
</tr>
</tbody>
</table>

**Key:** See exemplar.

**Exemplar:**

**Rubric:** (1 point) The student selects the correct response.
<table>
<thead>
<tr>
<th>Item</th>
<th>Grade</th>
<th>Category</th>
<th>Connector</th>
<th>Tier</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>7</td>
<td>Ratios and Proportional</td>
<td>7.NO.2f1 Identify the proportional relationship between two quantities (use rules or symbols to show quantitative relationships).</td>
<td>3</td>
</tr>
</tbody>
</table>

**Look at this table.**

**Dog Walking**

<table>
<thead>
<tr>
<th>Number of Hours</th>
<th>Dogs Walked</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>4</td>
</tr>
<tr>
<td>2</td>
<td>?</td>
</tr>
<tr>
<td>3</td>
<td>12</td>
</tr>
<tr>
<td>4</td>
<td>16</td>
</tr>
</tbody>
</table>

How many dogs did the person walk in 2 hours?

- A 5
- B 6
- C 8

**Key:** C

**Rubric:** (1 point) The student selects the correct response.
### Look at this table.

**Cost of Two Items**

<table>
<thead>
<tr>
<th>Item</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sweater</td>
<td>$38.00</td>
</tr>
<tr>
<td>Jacket</td>
<td>$46.00</td>
</tr>
</tbody>
</table>

**Which item costs more money?**

- A  Sweater
- B  Jacket

**Key:** B  

**Rubric:** (1 point) The student selects the correct response.
<table>
<thead>
<tr>
<th>Item</th>
<th>Grade</th>
<th>Category</th>
<th>Connector</th>
<th>Tier</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>7</td>
<td>The Number System</td>
<td>7.NO.2i1 Solve multiplication problems with positive/negative numbers.</td>
<td>2</td>
</tr>
</tbody>
</table>

**Look at this picture.**

\[
(-) \times (+) = (-)
\]

\[
(-3) \times (4) =
\]

A. \(-1\)
B. \(-7\)
C. \(-12\)

**Key:** C

**Rubric:** (1 point) The student selects the correct response.
<table>
<thead>
<tr>
<th>Item</th>
<th>Grade</th>
<th>Category</th>
<th>Connector</th>
<th>Tier</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>7</td>
<td>Geometry</td>
<td>7.GM.1h2 Find the surface area of three-dimensional figures using nets of rectangles or triangles.</td>
<td>2</td>
</tr>
</tbody>
</table>

**This is what a figure looks like when all the faces are shown.**

Add up the areas of all the faces to find the total surface area.

**Part A**

Choose the number that makes the sentence true.

The total surface area of the figure is __48__, __96__, __160__ square centimeters.

**Part B**

Which of these shows how to find the total surface area of the figure?

- __16 + 32__
- __16 + 32 + 32 + 16__
- __16 + 32 + 32 + 32 + 32 + 16__

**Key:** See exemplar.

**Exemplar:**

**Part A**

- __48__, __96__, __160__

**Part B**

- __16 + 32__
- __16 + 32 + 32 + 16__
- __16 + 32 + 32 + 32 + 32 + 16__

**Rubric:**

- (2 points) The student selects the two correct responses.
- (1 point) The student selects one of the correct responses, but not both.
Grade Seven Practice Test Items

<table>
<thead>
<tr>
<th>Item</th>
<th>Grade</th>
<th>Category</th>
<th>Connector</th>
<th>Tier</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>7</td>
<td>Ratios and Proportional Relationships</td>
<td>7.PRF.1f1 Use proportional relationships to solve multistep percent problems in real world situations.</td>
<td>1</td>
</tr>
</tbody>
</table>

Look at this number sentence.

50 miles in 1 hour \( \times \) 2 hours = 100 miles

Part A

If a car travels for **less than** 2 hours, the distance will be \( \text{\underline{100}} \) miles.

Part B

If a car travels for **more than** 2 hours, the distance will be \( \text{\underline{100}} \) miles.

Key: less than, greater than

Rubric:

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

(1 point) The student selects one of the correct responses, but not both.
Here is a pizza. The pizza is in the shape of a circle.

Choose the words that make each sentence true and place them in the correct box.

The crust shows the ________.

The pepperoni and cheese part shows the ________.

---

**Key:** distance around the pizza, space inside the pizza

**Exemplar:**

The crust shows the distance around the pizza.

The pepperoni and cheese part shows the space inside the pizza.

**Rubric:**

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

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

5 blueberries : 1 pancake

How many blueberries does the cook need to make 6 pancakes?

5 : 1 = ___ : 6

Key: C
Rubric: (1 point) The student selects the correct response.
Grade Seven Practice Test Item

<table>
<thead>
<tr>
<th>Item</th>
<th>Grade</th>
<th>Category</th>
<th>Connector</th>
<th>Tier</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>7</td>
<td>The Number System</td>
<td>7.NO.2i1 Solve multiplication problems with positive/negative numbers.</td>
<td>3</td>
</tr>
</tbody>
</table>

Look at this picture.

\[(-) \times (-) = (+)\]

\[(-3) \times (-6) = \] 

**Key:** 18

**Rubric:** (1 point) The student selects the correct response.
**Grade Seven Practice Test Items**

<table>
<thead>
<tr>
<th>Item</th>
<th>Grade</th>
<th>Category</th>
<th>Connector</th>
<th>Tier</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>7</td>
<td>Ratios and Proportional Relationships</td>
<td>7.PRF.1f1 Use proportional relationships to solve multistep percent problems in real world situations.</td>
<td>2</td>
</tr>
</tbody>
</table>

**Part A**

Solve this number sentence to find the amount of the discount for a backpack.

\[ 15 \times 0.20 = \Box \]

What is the amount of the discount for a backpack?

- A $3.00
- B $14.80
- C $30.00

**Part B**

The amount of the discount for a purse is $25.50 \times 0.20 = $5.10.

The sale price of a purse is $\Box$

**Key:** A, 20.40 OR 20.4

**Rubric:**

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

(1 point) The student select one of the correct responses, but not both.
A student picked 9 flowers from his garden at home and 7 flowers from the park.

Which number sentences can be used to find the total number of flowers picked? Choose two.

\[
\begin{array}{cc}
9 - 7 &= ? \\
9 + 7 &= ? \\
? - 9 &= 7 \\
? + 7 &= 9 \\
\end{array}
\]

Key: See exemplar.
Exemplar:

\[
\begin{array}{cc}
9 - 7 &= ? \\
9 + 7 &= ? \\
? - 9 &= 7 \\
? + 7 &= 9 \\
\end{array}
\]

Rubric:
(2 points) The student selects the two correct responses.
(1 point) The student select one of the correct responses, but not both.
<table>
<thead>
<tr>
<th>Item</th>
<th>Grade</th>
<th>Category</th>
<th>Connector</th>
<th>Tier</th>
</tr>
</thead>
<tbody>
<tr>
<td>13</td>
<td>7</td>
<td>Ratios and Proportional Relationships</td>
<td>7.NO.2f1 Identify the proportional relationship between two quantities (use rules or symbols to show quantitative relationships).</td>
<td>1</td>
</tr>
</tbody>
</table>

**Look at this picture.**

One bicycle has 2 wheels.

**Here are 3 bicycles.**

How many wheels do 3 bicycles have?

3 bicycles : ____ wheels

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>3</td>
</tr>
<tr>
<td>B</td>
<td>6</td>
</tr>
</tbody>
</table>

**Key:** B

**Rubric:** (1 point) The student selects the correct response.
A student picked 10 flowers. She gave some to her teacher, then she had 7 flowers left.

\[
\text{10 flowers} - \ ? = \text{7 flowers left}
\]

The question mark stands for the number of flowers the student gave to her teacher.

Which number sentences can be used to find the number of flowers she gave to her teacher? Choose two.

\[
10 + 7 = ? \quad 7 + ? = 10 \quad 10 - ? = 7 \quad ? - 7 = 10
\]

**Key:** See exemplar.

**Exemplar:**

\[
10 + 7 = ? \quad 7 + ? = 10 \quad 10 - ? = 7 \quad ? - 7 = 10
\]

**Rubric:**

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

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

<table>
<thead>
<tr>
<th>Grade</th>
<th>Number of Students</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>35</td>
</tr>
<tr>
<td>7</td>
<td>34</td>
</tr>
<tr>
<td>8</td>
<td>31</td>
</tr>
</tbody>
</table>

Choose the numbers that make the sentences true.

The total number of students in all three grades is $\square \checkmark$.

The number of students in Grade 7 is $\square \checkmark$ % of all the students.

Key: 100, 34

Rubric:

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

(1 point) The student selects one of the correct responses, but not both.
Grade Seven Practice Test Items

<table>
<thead>
<tr>
<th>Item</th>
<th>Grade</th>
<th>Category</th>
<th>Connector</th>
<th>Tier</th>
</tr>
</thead>
<tbody>
<tr>
<td>16</td>
<td>7</td>
<td>Expressions and Equations</td>
<td>7.PRF.1g2 Use variables to represent quantities in a real-world or mathematical problem, and construct simple equations and inequalities to solve problems by reasoning about the quantities.</td>
<td>3</td>
</tr>
</tbody>
</table>

**Part A**

**67 + ? > 72**

**Which number makes this number sentence true?**

- A 3
- B 5
- C 9

**Part B**

**124 ÷ 4 < ?**

**Which number makes this number sentence true?**

- A 20
- B 28
- C 33

**Key: C, C**

**Rubric:**

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

(1 point) The student selects one of the correct responses, but not both.
<table>
<thead>
<tr>
<th>Item</th>
<th>Grade</th>
<th>Category</th>
<th>Connector</th>
<th>Tier</th>
</tr>
</thead>
<tbody>
<tr>
<td>17</td>
<td>7</td>
<td>Ratios and Proportional Relationships</td>
<td>7.NO.2f1 Identify the proportional relationship between two quantities (use rules or symbols to show quantitative relationships).</td>
<td>2</td>
</tr>
</tbody>
</table>

Look at this picture.

![Quilts](image)

How many quilts can the student make with 27 yards of fabric?

3 yards : 1 quilt = 27 yards : ___ quilts

A student uses 3 yards of fabric to make 1 quilt.

3 yards : 1 quilt

Key: B

Rubric: (1 point) The student selects the correct response.
A student had 12 eggs.

She used some of the eggs and had 7 eggs left.

The question mark stands for the number of eggs used.

Which number sentences can be used to find the number of eggs used? Choose two.

12 + 7 = ?
12 - 7 = ?
7 + 12 = ?
7 + ? = 12

Key: See exemplar.

Exemplar:

12 + 7 = ?
12 - 7 = ?
7 + 12 = ?
7 + ? = 12

Rubric:
(2 points) The student selects the two correct responses.
(1 point) The student selects one of the correct responses, but not both.
### Item 19

<table>
<thead>
<tr>
<th>Item</th>
<th>Grade</th>
<th>Category</th>
<th>Connector</th>
<th>Tier</th>
</tr>
</thead>
<tbody>
<tr>
<td>19</td>
<td>7</td>
<td>The Number System</td>
<td>7.NO.2i2 Solve division problems with positive/negative numbers.</td>
<td>2</td>
</tr>
</tbody>
</table>

**Look at this picture.**

\[ (-) \div (-) = (+) \]

\[
(-15) \div (-3) = \]

- **A** 5
- **B** 12
- **C** 18

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