

# 8

# California CAASPP

## GRADE 3

# MATH

## PRACTICE TESTS

Standards-Aligned Review with  
Mixed Practice and Answer Key



8 Full-Length  
Practice Tests



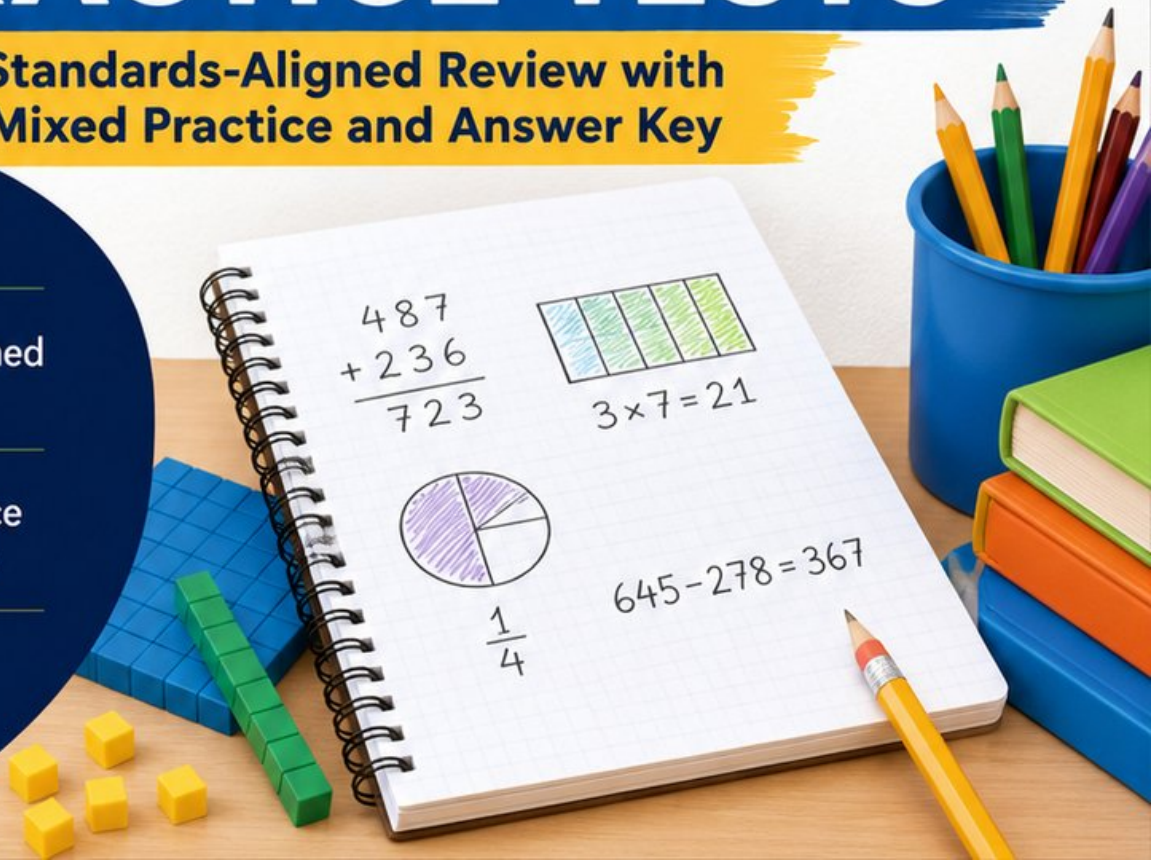
Standards-Aligned  
Questions



Build Confidence  
and Math Skills



Answer Key  
Included



# 8 California CAASPP Grade 3 Math Practice Tests

*Standards-Aligned Review with Mixed Practice and Answer Key*



Eight complete 30-question practice rounds for Grade 3 math: operations, fractions, measurement, data, area, shapes, answer keys, and clear explanations for every item.

**Jay Daie and Reza Nazari**



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# California, Your Eight-Test Math Path Begins

Eight focused rounds, one stronger Grade 3 problem solver

This book gives you eight full chances to practice like a careful test taker for the California CAASPP. Each test is a new route through numbers, shapes, data, measurement, and word problems. Work slowly enough to notice what the question asks, and proudly enough to show your thinking.

California has redwood groves, Pacific beaches, valley farms, city grids, and science labs, where careful steps matter. Strong math follows that same path: notice the question, choose a tool, show the work, and connect many pieces into one clear solution.

## Your California Math Promise

I will read the whole question, choose a smart strategy, write clear work, and check whether my answer makes sense.

**Eight rounds. Thirty questions each. One careful step at a time.**

# How to Use This Book

## A simple eight-round routine for confident review

Use this California book as a practice plan, not a race. Finish one test, review it, fix a few problems, then carry one better habit into the next test.

1. **Preview the reference page.** Notice units, time, and measurement facts before you begin.
2. **Take one full test.** Circle anything that feels tricky so you can return to it.
3. **Check the answer key.** Mark correct answers and questions to try again.
4. **Read explanations.** Study missed items and lucky guesses first.
5. **Redo three problems.** Write fresh work without copying the explanation.
6. **Name one habit.** Pick a focus such as labels, facts, fractions, or neat work.
7. **Try the next test.** Bring that habit forward.
8. **Finish with a final check.** Look for growth across all eight tests.

**Best review habit:** In California, strong practice means slowing down enough to see the clue. When an answer is wrong, ask, “What step would I change next time?”



# What Is Inside the Eight Tests?

## Mixed Grade 3 math practice for the CAASPP

Each practice test has 30 questions. You will see multiple-choice questions, select-all questions, and open-ended questions with workspace. The mix helps students practice both choosing an answer and explaining a short mathematical result.

Part	What to Expect
Eight full tests	30 mixed Grade 3 questions in each round
Math topics	multiplication, division, place value, fractions, time, measurement, data, area, perimeter, and shapes
Answer keys	compact answer boxes for quick checking
Explanations	short reasoning for every item so mistakes become useful review
Progress pages	places to record scores, habits, and next-step goals

**California focus:** The practice path starts with redwood groves, Pacific beaches, valley farms, city grids, and science labs. Strong math uses the same idea: know the path, follow the clues, and check the final answer.



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For more practice  
& answers

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1) A bag of flour weighs 3 kilograms. If a baker buys 7 bags of flour, how much flour does he have in total?

A. 10 kg

B. 20 kg

C. 4 kg

D. 21 kg

2) Which comparison is true?

A.  $\frac{3}{3} > \frac{3}{8}$

B.  $\frac{3}{3} < \frac{3}{8}$

C.  $\frac{3}{3} = \frac{3}{8}$

D.  $\frac{3}{8} = \frac{3}{3}$

3) A bar graph shows fish in aquariums. The goldfish bar is 3 units tall, and the betta bar is 2 units tall. The scale is 5 fish per unit. How many goldfish are in the aquarium?

A. 10

B. 15

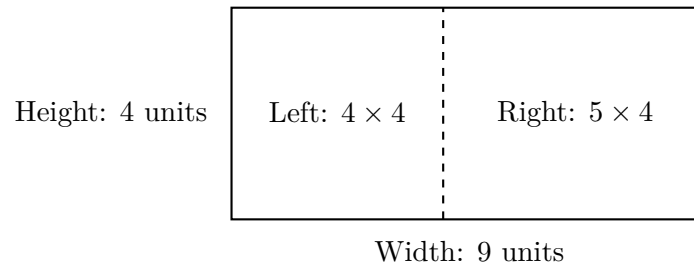
C. 20

D. 25

4) What is  $6 \times 4$ ?



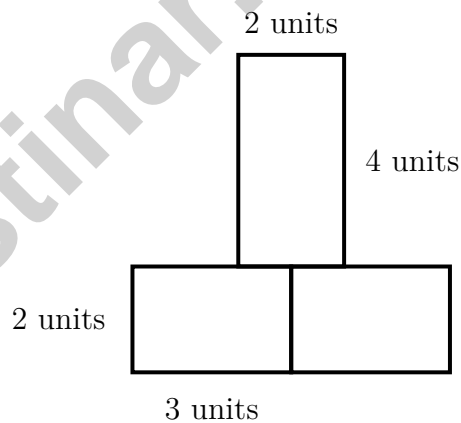
5) This rectangle is split by a vertical line:



Which is the correct distributive property equation?

- A.  $4 \times (4 + 5) = (4 \times 4) + (4 \times 5) = 16 + 20 = 36$
- B.  $9 + 4 = 13$
- C.  $(4 \times 4) + (5 \times 4) = 16 + 20 = 36$
- D.  $(4 + 5) \times 4 = 36$

6) A T-shaped board has three parts. Top middle: 2 units by 4 units. Bottom left: 3 units by 2 units. Bottom right: 3 units by 2 units. What is the total area?



- A. 20 sq units
- B. 12 sq units
- C. 6 sq units
- D. 18 sq units

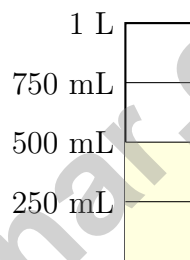


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- 7) A line plot shows test scores: 70 appears 1 time,  $70\frac{1}{2}$  appears 3 times, and 71 appears 2 times. What is the most common test score?

- 8) A number line from 0 to 1 is divided into 3 equal parts. The unit fraction is  $\frac{1}{3}$ . Where is the second tick from 0?

- A.  $\frac{1}{3}$  (the unit fraction)                       C.  $\frac{1}{6}$   
 B.  $\frac{2}{3}$  (two unit fractions)                       D.  $\frac{3}{3}$



9)

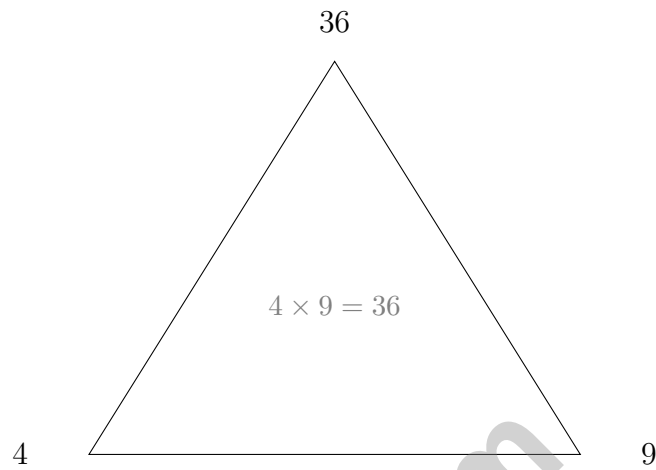
Container

A liquid container is filled to the 750 mL line. How much more liquid is needed to reach 1 liter?

- A. 100 mL                       C. 250 mL  
 B. 150 mL                       D. 750 mL



1) Look at the fact-family triangle. Which two divisions can you write?



- A.  $36 \div 4 = 9$  and  $36 \div 9 = 4$
- B.  $36 \div 9 = 36$  and  $36 \div 4 = 36$
- C.  $4 + 9 = 13$  and  $36 - 13 = 23$
- D.  $9 \div 4 = 2$  and  $36 \div 2 = 18$
- 2) Sam draws a number line from 0 to 2 split into 8 equal parts. He marks  $\frac{4}{8}$  of the distance from 0 to 2. At what whole number is his mark?
- A. At 0
- B. Between 1 and 2
- C. At 2
- D. At 1
- 3) Ava has 6 bags of marbles. Each bag has the same number of marbles. She has 42 marbles in all. How many marbles are in each bag?

$$6 \times \square = 42$$

- A. 9
- B. 6
- C. 8
- D. 7



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Parallelogram

4)

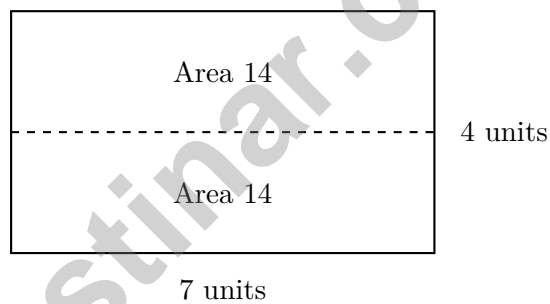
A parallelogram always has which property?

- A. All sides equal                       C. Opposite sides parallel  
 B. 4 right angles                       D. No right angles

5) Round 351 to the nearest 100.

- A. 300                       C. 351  
 B. 350                       D. 400

6) A rectangle has this tiling:



Which sum of the two smaller areas gives the total area?

- A.  $7 \times 2 = 14$                        C.  $14 + 14 = 28$   
 B.  $7 \times 3 = 21$                        D.  $7 + 4 = 11$



1) Sam has  $\frac{1}{6}$  of a pizza. Ava has  $\frac{1}{3}$  of the same pizza. Who has a larger piece?

A. Sam

C. They have the same

B. Ava

D. Cannot compare

2) Ben is covering a counter with square tiles. The counter is 8 tiles long and 3 tiles wide. How many tiles does he need?

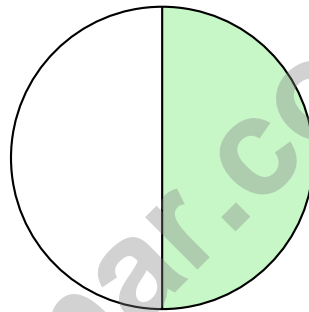
A. 11 tiles

C. 16 tiles

B. 24 tiles

D. 5 tiles

3) Here is a circle divided into 2 equal parts.



Each part of the circle is what fraction of the whole circle?

A.  $\frac{1}{4}$

C.  $\frac{2}{2}$

B.  $\frac{1}{2}$

D.  $\frac{1}{3}$

4) A square mural is made of unit tiles. It has 6 columns and 6 rows. What is the area of the mural?

A. 12

C. 36

B. 24

D. 66





## Practice Test Answer Keys

**How to use this section with a Grade 3 student:**

1. check the answer first
2. mark questions to try again
3. rework the problem before reading the full explanation

**A calm correction routine turns every missed item into useful practice.**

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## Practice Test Answers and Explanations

### Practice Test 1 Answers and Explanations

- 1) **Choice D is correct.** **(3.OA.3)** Multiply:  $7 \text{ bags} \times 3 \text{ kg per bag} = 21 \text{ kg of flour}$ .
- 2) **Choice A is correct.** **(3.NF.3)** Three thirds is one whole. Three eighths is less than one whole. So  $\frac{3}{3} > \frac{3}{8}$ .
- 3) **Choice B is correct.** **(3.MD.3)** Multiply the height by the scale:  $3 \times 5 = 15$  goldfish.
- 4) **The correct answer is 24.** **(3.OA.5)** By the commutative property,  $4 \times 6 = 6 \times 4 = 24$ .
- 5) **Choice A is correct.** **(3.MD.7)** Height is 4, widths are 4 and 5, totaling 9. Distributive property:  $4 \times (4+5) = 4 \times 9 = 36$ .
- 6) **Choice A is correct.** **(3.MD.5)** Top:  $2 \times 4 = 8$  sq units. Bottom left:  $3 \times 2 = 6$  sq units. Bottom right:  $3 \times 2 = 6$  sq units. Total:  $8 + 6 + 6 = 20$  sq units.
- 7) **The correct answer is  $70\frac{1}{2}$ .** **(3.MD.4)** The value with the most X marks is  $70\frac{1}{2}$ , with 3 X's.
- 8) **Choice B is correct.** **(3.NF.1)** The unit fraction is  $\frac{1}{3}$ . The second tick is at two unit fractions:  $2 \times \frac{1}{3} = \frac{2}{3}$ .
- 9) **Choice C is correct.** **(3.MD.2)**  $1 \text{ L} = 1000 \text{ mL}$ . Subtract:  $1000 - 750 = 250 \text{ mL}$ .
- 10) **Choice A is correct.** **(3.NBT.2)** Ones:  $0 - 6$  requires regrouping, so  $10 - 6 = 4$ . Tens:  $3 - 8$  requires regrouping, so  $13 - 8 = 5$  (after regrouping). Hundreds:  $4 - 1 = 3$  (after regrouping). Answer: 354.
- 11) **Choice B is correct.** **(3.MD.5)**  $7 \times 2 = 14$  square units.
- 12) **Choice C is correct.** **(3.MD.6)** The rectangle is 2 units wide and 5 units tall:  $2 \times 5 = 10$  unit squares.
- 13) **Choice C is correct.** **(3.OA.9)**  $5 \times 7 = 35$ , which is odd. Choices A, B, D all have an even factor, so they give even products.
- 14) **Choice D is correct.** **(3.MD.6)** Area =  $9 \times 3 = 27$  square meters.
- 15) **Choices B and D are correct.** **(3.NF.2)** The midpoint is  $\frac{3}{6}$ . Points equidistant on either side are  $\frac{2}{6}$  (one sixth below) and  $\frac{4}{6}$  (one sixth above). Distractor  $\frac{1}{6}$  is two sixths below. Distractor  $\frac{5}{6}$  is two sixths above. Distractor  $\frac{3}{6}$  is the midpoint.
- 16) **Choice D is correct.** **(3.G.2)** If one part is  $\frac{1}{6}$ , then the rectangle must be divided into 6 equal parts.
- 17) **Choice D is correct.** **(3.NBT.1)** Numbers from 55 to 64 round to 60. The number 65 has ones  $5 \geq 5$ , so it rounds to 70, not 60.
- 18) **Choice D is correct.** **(3.OA.1)** The picture shows 5 columns with 2 circles in each column. So  $5 \times 2 = 10$  or  $2 \times 5 = 10$ .
- 19) **Choice C is correct.** **(3.MD.7)** Area =  $6 \times 3 = 18$  square units. The dots show that all squares are included.
- 20) **Choice A is correct.** **(3.G.2)** Any whole number with denominator 1 equals that number.  $5 = \frac{5}{1}$ . Check: (B) is all fifths, (C) is a unit fraction, (D) is not whole.
- 21) **Choice B is correct.** **(3.MD.8)** Representing area as a rectangular array: multiplying the number of unit squares across (6) by the number down (3) gives  $6 \times 3 = 18$  square units. Choice A (9) is the sum; C (18) is correct but inefficient for Grade 3 (repeated addition); D (18) arrives at correct answer but uses wrong factors.
- 22) **Choice C is correct.** **(3.MD.1)**  $5 : 42 + 38 \text{ min} = 5 : 42 + 18 \text{ min} + 20 \text{ min} = 6 : 00 + 20 \text{ min} = 6 : 20 \text{ PM}$ .
- 23) **Choice A is correct.** **(3.OA.8)** Step 1: Total candy:  $4 \times 8 = 32$  pieces. Step 2: Subtract eaten:  $32 - 12 = 20$  pieces left. (Choice C is step 1 only.)
- 24) **The correct answer is 48.** **(3.OA.4)** Multiply:  $6 \times 8 = 48$  coins total.
- 25) **Choice C is correct.** **(3.NF.2)**  $\frac{3}{4}$  is 3 out of 4 equal parts, so it is at the third tick mark from 0.
- 26) **Choice D is correct.** **(3.OA.6)**  $45 \div 9 = \square$  means  $\square \times 9 = 45$ . Since  $5 \times 9 = 45$ , each row has 5 stickers.
- 27) **Choice A is correct.** **(3.NF.3)** Multiply numerator and denominator by 2:  $\frac{1 \times 2}{3 \times 2} = \frac{2}{6}$ . Both bars show the same shaded length.
- 28) **Choice C is correct.** **(3.MD.5)** Both rectangles have area  $4 \times 5 = 20$  square units. Multiplication is commutative:  $4 \times 5 = 5 \times 4$ . Rotating a rectangle doesn't change its area.
- 29) **Choice A is correct.** **(3.OA.2)**  $8 \div 2 = 4$ . The picture shows 8 items split into 2 equal groups of 4 each.
- 30) **Choice D is correct.** **(3.G.1)** A rectangle with length 5 cm and width 3 cm has two different side lengths and 4 right angles. A rhombus with all sides 5 cm has equal sides but may not have right angles. Different properties mean different shapes.



## Hi, Brave Trail-Walker!

◇ You walked all 8 miles of the practice trail. Smooth paths, steep climbs, narrow passes. Every step taught you something. ◇

★ **Trail guides know:** the most important thing is to keep moving. Slow steps still get you there. You have a steady stride now. ★

### Trail Survey

- **Route Knowledge:** You know lots of problem types.
- **Steady Pace:** You don't rush. You don't stop.
- **Pack Loaded:** You have all the math tools you need.
- **Confidence:** You trust your training.

**Guide's tip:** on test day, stay on the trail you've walked before. Use the strategies you've practiced. Trust the route. The summit is one steady walk away!

If you want to share something or ask a question, please email me at [jay@testinar.com](mailto:jay@testinar.com).

**Jay Daie**

Your Math Trail Guide

# PRACTICE TODAY. MASTER TOMORROW.

This book is designed to help **Grade 3** students strengthen their math skills through focused practice and real progress.

- ✓ 8 full-length practice tests
- ✓ Aligned to Grade 3 standards
- ✓ Build confidence and achieve success



## EACH PRACTICE TEST INCLUDES:



Standards-  
Aligned  
Questions



Variety of  
Question  
Types



Real-World  
Math  
Applications



Step-by-Step  
Progress  
Tracking



Build Skills  
and Boost  
Confidence

## COVERS ALL ESSENTIAL TOPICS

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- ✓ Fractions & Decimals
- ✓ Algebraic Thinking
- ✓ Geometry
- ✓ Measurement & Data
- ✓ Number Patterns
- ✓ Word Problems
- ✓ Ratio & Proportion
- ✓ Perimeter, Area & Volume
- ✓ Graphing & Data Analysis
- ✓ And More!



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