

5

California

CAASPP

GRADE 3

MATH

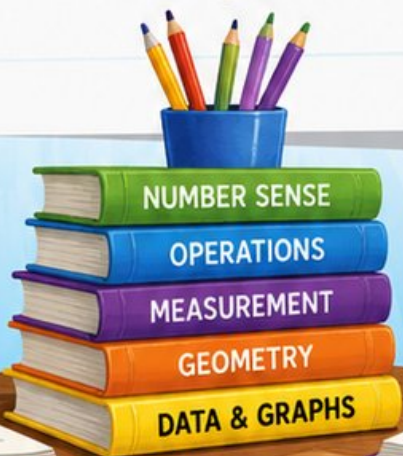
PRACTICE TESTS

Standards-Aligned Practice with Review, Answer Keys, and Explanations

$$\begin{array}{r} 125 \\ + 37 \\ \hline \end{array}$$



$24 \div 3 = 8$



5 FULL-LENGTH PRACTICE TESTS



STANDARDS-ALIGNED PRACTICE



DETAILED ANSWER KEYS



CLEAR EXPLANATIONS TO HELP YOU SUCCEED

# 5 California CAASPP Grade 3 Math Practice Tests

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



Five focused 30-question checkpoints for Grade 3 math: facts, fractions, measurement, data, area, shapes, answer keys, and clear explanations for every item.

**Jay Daie and Reza Nazari**



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# Welcome to the Five Checkpoint Quest

Five tests, five fresh starts, and one stronger Grade 3 thinker



Read. Model. Solve. Check. Grow.

## To the Grade 3 Math Explorer

This book gives you five practice checkpoints for the California CAASPP. Each checkpoint is a full 30-question test, so you can practice stamina, accuracy, and the habit of showing what you know.

California has redwood forests, ocean cliffs, valley farms, and busy cities full of bright ideas. Strong math uses the same kind of careful planning: look at the path, choose a tool, and check your work before moving ahead.

### Notice

Circle key words, units, and numbers before you start.

### Build

Use arrays, number lines, equations, tables, or sketches.

### Verify

Ask, "Does this answer fit the question?"

**Five-checkpoint promise:** I will try each test with patience, mark my mistakes honestly, and use every correction to make the next checkpoint stronger.

# How to Use This Book

A five-step routine for steady Grade 3 growth

Use one checkpoint at a time. A good pace is one test, one careful review, and one short skill tune-up before the next test.

1. **Preview the tools.** Skim the reference page and remember where multiplication, fractions, measurement, and shapes appear.
2. **Take one full test.** Work neatly. If a problem feels stuck, mark it and keep moving.
3. **Check the answer key.** Notice the question type: multiple choice, select all, or open-ended.
4. **Study explanations.** Pick two missed questions and redo them without looking.
5. **Choose the next focus.** Write one habit to carry into the next checkpoint.

**Best review habit:** Do not just ask, “What was the answer?” Ask, “What clue did I miss, and what tool should I try next time?”



## What Is Inside?

Five complete practice tests with review support

Part	What You Do	Why It Helps
Practice Tests 1–5	Solve five different 30-question tests.	Build stamina and see many Grade 3 skills mixed together.
Answer Keys	Check each answer in compact boxes.	Find mistakes quickly without losing your place.
Explanations	Read the reason behind each answer.	Turn missed items into a clear next step.
Standards Reference	See how California Grade 3 standards connect to practice.	Understand the skills behind the questions.

Each test has 26 multiple-choice questions, 1 select-all question, and 3 open-ended questions. That mix gives students practice with quick choices, careful reasoning, and short written answers.

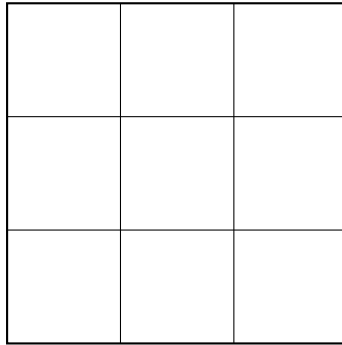


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- 1) A square is divided into a  $3 \times 3$  grid (2 horizontal and 2 vertical lines making 9 equal small squares). What fraction is one small square?



- A.  $\frac{1}{6}$                        C.  $\frac{1}{9}$   
 B.  $\frac{1}{8}$                        D.  $\frac{1}{4}$
- 2) Ben marks the location of  $\frac{5}{6}$  on a number line from 0 to 1 divided into 6 equal parts. Which statement is TRUE?

- A.  $\frac{5}{6}$  is 1 tick away from 1                       C.  $\frac{5}{6}$  is closer to 0 than to 1  
 B.  $\frac{5}{6}$  is 5 ticks away from 0                       D.  $\frac{5}{6}$  is at the 6th tick
- 3) Lily multiplies:  $7 \times 9 = 63$ .  
Both 7 and 9 are odd. Why is 63 also odd?

- A. Because 7 and 9 are both greater than 5                       C. Because 63 is less than 100  
 B. Because we added instead of multiplied                       D. Because odd numbers times odd numbers always make odd



4) Which fraction represents 5 whole items?

- A.  $\frac{5}{5}$   
 B.  $\frac{1}{5}$

- C.  $\frac{5}{1}$   
 D.  $\frac{5}{2}$

5) Which shows a correct tiling for  $8 \times (3 + 4)$ ?

- A. Two rectangles: one  $8 \times 3$  and one  $8 \times 4$   
 B. Two rectangles: one  $3 \times 4$  and one 8  
 C. One rectangle  $8 \times 7$   
 D. Two rectangles: one  $8 \times 8$  and one  $8 \times 4$

6) A school library has 456 books. The librarian buys 244 more books. How many books are in the library now?

- A. 700  
 B. 701  
 C. 690  
 D. 711

7) Ava has 15 stickers. She puts them equally into 5 envelopes. How many stickers does each envelope have?

- A. 10  
 B. 2  
 C. 20  
 D. 3

8) What fraction marks the second tick on a number line split into 6 equal parts?



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9) How many unit fractions of  $\frac{1}{4}$  make a whole?

A. 2

C. 4

B. 3

D. 8

10) Ben's line plot shows student heights in inches with halves: 55,  $55\frac{1}{2}$ , 56,  $56\frac{1}{2}$ . There are 1 X at 55 inches, 2 X's at  $55\frac{1}{2}$  inches, 3 X's at 56 inches, and 2 X's at  $56\frac{1}{2}$  inches. How many students are exactly 56 inches or taller?

A. 3

C. 5

B. 4

D. 6

11) Which is a property that squares and rectangles both have?

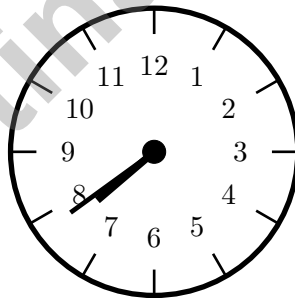
A. All sides are equal in length

C. They have exactly one pair of parallel sides

B. They have no right angles

D. All angles are right angles

12) What time does the clock show?



A. 6 : 39

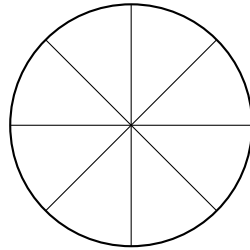
C. 8 : 09

B. 7 : 50

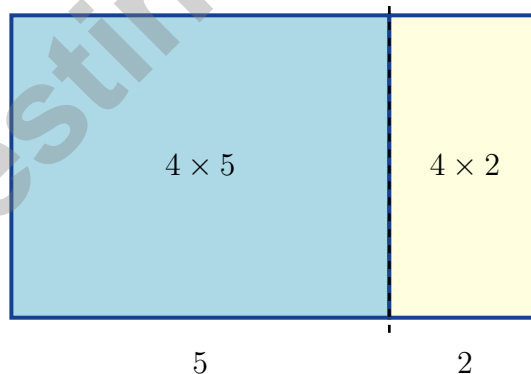
D. 7 : 39



- 1) A circle is divided by lines from the center to make 8 equal parts (like pizza slices).  
What fraction is one slice?



- A.  $\frac{2}{8}$                        C.  $\frac{1}{4}$   
 B.  $\frac{1}{6}$                        D.  $\frac{1}{8}$
- 2) Sam is paving a patio with unit square stepping stones. The patio is 4 units by 7 units. How many stones does he need?
- A. 22 stones                       C. 56 stones  
 B. 11 stones                       D. 28 stones
- 3) Sam draws an area model to find  $4 \times 7 = 4 \times (5 + 2)$ .



What is  $4 \times 5 + 4 \times 2$ ?

- A. 20                       C. 30  
 B. 22                       D. 28



4) Ben has one whole cookie. Which fraction represents this?

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

- C.  $\frac{1}{0}$   
 D.  $\frac{1}{1}$

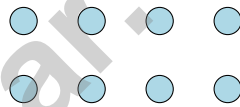
5) A rectangle with dimensions  $10 \times 9$  is split by a vertical line into two parts. If one part is  $10 \times 4$ , what is the correct distributive equation?

- A.  $10 \times 9 = 10 \times (4 + 5) = (10 \times 4) + (10 \times 5) = 40 + 50 = 90$   
 B.  $10 + 9 = 19$   
 C.  $4 + 5 = 9$   
 D.  $10 \times 4 = 40$  only

6) Ben reads for 18 minutes starting at 4 : 07 PM. At what time does Ben stop reading?

- A. 4 : 15 PM  
 B. 4 : 20 PM  
 C. 4 : 25 PM  
 D. 4 : 30 PM

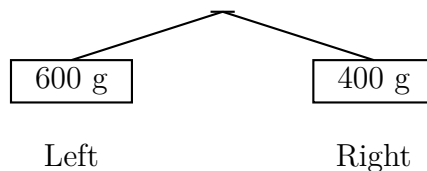
7)



What multiplication equation matches this picture?

- A.  $8 \times 2 = 16$   
 B.  $4 + 4 = 8$   
 C.  $2 \times 2 = 4$   
 D.  $4 \times 2 = 8$

**Balance Scales**



8)

What is the difference in mass between the two sides?

- A. 100 g  
 B. 200 g  
 C. 400 g  
 D. 600 g



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## 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 C is correct.** **(3.G.A.2)** Nine equal parts means each part is  $\frac{1}{9}$  of the whole square.
- 2) **Choice B is correct.** **(3.NF.A.2b)**  $\frac{5}{6}$  means  $5 \times \frac{1}{6}$ , so there are 5 equal steps from 0. Distractor A: distance to 1 is  $\frac{1}{6}$ , which is 1 part, not 1 tick per se (ambiguous). Distractor C: false;  $\frac{5}{6}$  is much closer to 1. Distractor D: false; it is at the 5th tick.
- 3) **Choice D is correct.** **(3.OA.D.9)** Odd  $\times$  odd is always odd. Examples:  $1 \times 1 = 1$ ,  $3 \times 5 = 15$ ,  $7 \times 9 = 63$ .
- 4) **Choice C is correct.** **(3.NF.A.3c)** 5 wholes =  $\frac{5}{1}$ . Any whole number with denominator 1 equals that number. (A) equals 1, (B) is a unit fraction, (D) is more than 2 but not 5 wholes.
- 5) **Choice A is correct.** **(3.MD.C.7c)** Both rectangles must have the same width 8, with lengths 3 and 4 that sum to 7.
- 6) **Choice A is correct.** **(3.NBT.A.2)** Add:  $456 + 244 = 700$ . Ones:  $6 + 4 = 10$  (write 0, carry 1). Tens:  $5 + 4 + 1 = 10$  (write 0, carry 1). Hundreds:  $4 + 2 + 1 = 7$ .
- 7) **Choice D is correct.** **(3.OA.A.2)**  $15 \div 5 = 3$ . Sharing means dividing the total into equal groups.
- 8) **The correct answer is  $\frac{2}{6}$ .** **(3.NF.A.2a)** The second tick out of 6 equal parts is  $\frac{2}{6}$ .
- 9) **Choice C is correct.** **(3.NF.A.1)**  $\frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4} = \frac{4}{4} = 1$  whole. So 4 unit fractions of  $\frac{1}{4}$  make a whole.
- 10) **Choice C is correct.** **(3.MD.B.4)** 56 inches or taller includes 56 and  $56\frac{1}{2}$ : that is  $3 + 2 = 5$  students.
- 11) **Choice D is correct.** **(3.G.A.1)** Both squares and rectangles have 4 right angles (90 degrees). A square also has all equal sides, but a rectangle does not require this.
- 12) **Choice D is correct.** **(3.MD.A.1)** The minute hand points to 39 minutes, between 7 and 8. The hour hand is between 7 and 8, closer to 8. The time is 7:39.
- 13) **Choice A is correct.** **(3.MD.C.5)** If the area is 25 square inches and it is a square, then  $5 \times 5 = 25$ , so each side is 5 inches.
- 14) **Choice B is correct.** **(3.MD.C.7d)** Add the areas:  $16 + 12 = 28$  square units.
- 15) **Choices A and B are correct.** **(3.MD.B.3)** A is true because  $3 \times 5 = 15$ , and B is true because  $4 \times 5 = 20$ . C should be 10, not 7; D should be 30, not 35; and E should be 25, not 40.
- 16) **The correct answer is 14.** **(3.OA.D.8)**  $80 \div 5 = 16$ , and  $16 - 2 = 14$ .
- 17) **Choice D is correct.** **(3.OA.A.1)** 9 cartons with 7 eggs each means 9 groups of 7. So  $9 \times 7 = 63$  eggs.
- 18) **Choice B is correct.** **(3.MD.C.7)** Adding the width 3 seven times:  $3 + 3 + 3 + 3 + 3 + 3 + 3 = 21$ . This is the same as  $7 \times 3 = 21$  square units.
- 19) **Choice A is correct.** **(3.NBT.A.1)** The tens digit is 4. Since  $4 < 5$ , round down: 945 rounds to 900.
- 20) **Choice D is correct.** **(3.OA.B.5)** The distributive property lets you break apart a factor:  $8 \times 3 = 8 \times (2 + 1) = 8 \times 2 + 8 \times 1 = 16 + 8 = 24$ .
- 21) **Choice C is correct.** **(3.NF.A.3a)**  $\frac{4}{6} = \frac{2}{3}$ . Both equal two-thirds.
- 22) **Choice A is correct.** **(3.NF.A.3d)** All have numerator 1. Larger denominators mean smaller pieces. So eighths  $<$  fourths  $<$  halves.
- 23) **Choice D is correct.** **(3.MD.C.5b)**  $9 \times 4 = 36$  unit squares.
- 24) **Choice C is correct.** **(3.MD.A.2)** Add:  $400 + 600 = 1000$  mL.
- 25) **Choice D is correct.** **(3.OA.A.3)** Multiply: 4 boxes  $\times$  8 pens per box = 32 pens.
- 26) **Choice C is correct.** **(3.NF.A.3b)** Circle 1 shows  $\frac{1}{2}$  (half shaded) and Circle 3 shows  $\frac{2}{4}$  (half shaded). These are equivalent because  $\frac{1 \times 2}{2 \times 2} = \frac{2}{4}$ .
- 27) **Choice C is correct.** **(3.MD.C.5a)** Length times width:  $5 \times 3 = 15$  unit squares of 1 inch by 1 inch.
- 28) **Choice D is correct.** **(3.NBT.A.3)** 7 packs of 10 pencils =  $7 \times 10 = 70$  pencils.
- 29) **Choice D is correct.** **(3.OA.A.4)** Divide:  $32 \div 4 = 8$  stickers per friend.
- 30) **The correct answer is 7.** **(3.OA.B.6)**  $42 \div 6 = 7$  because  $7 \times 6 = 42$ . The multiplication fact helps us solve the division problem.



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## Hi, Strong Climber!

◇ You climbed all 5 tests. One step at a time. That takes patience and grit. The view from the top is amazing because you earned it! ◇

★ **Mountain guides say:** steady steps win the climb. You climbed steady. You stayed strong. ★

### Climber's Skills

- **Strong Steps:** You move forward, problem by problem.
- **Steady Pace:** You don't rush. You don't stop.
- **Map Skills:** You read questions carefully.
- **Top of the Mountain:** You can finish a long test.

**Guide's tip:** on test day, take small breaths between problems. One foot, then the next. You'll reach the top!

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

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# Build Skills. Boost Confidence. Excel in Grade 3 Math!

This book provides 5 full-length Grade 3 math practice tests that follow standards and help students achieve real results.



## 5 Full-Length Practice Tests

Realistic tests to build stamina and familiarity.



## Standards-Aligned Practice

Questions match Grade 3 math standards and key skills.



## Answer Keys & Explanations

Detailed answers that show steps and clear reasoning.



## Review & Master Skills

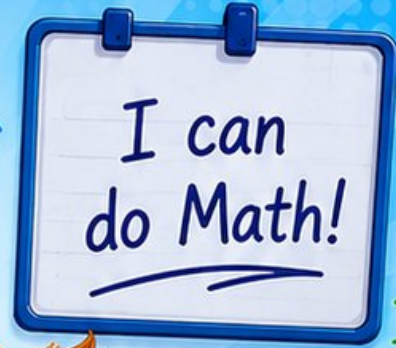
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- ✓ Operations & Algebraic Thinking
- ✓ Number Patterns
- ✓ Fractions & Decimals
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- ✓ Geometry
- ✓ Perimeter, Area & Volume
- ✓ Time & Money
- ✓ Data & Graphs
- ✓ Word Problems
- ✓ And More!



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and practice materials!



$$\begin{array}{r} 7 \times 8 \\ = 56 \end{array}$$

$$\begin{array}{r} 36 \\ \div 4 = 9 \end{array}$$

$$\begin{array}{r} 452 \\ - 178 \\ \hline = 274 \end{array}$$



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