

4

California CAASPP

Grade 3

MATH

PRACTICE TESTS

Standards-Aligned Practice



STANDARDS-ALIGNED

Practice to build skills and boost confidence



4 FULL-LENGTH TESTS

Realistic questions to prepare for test day



ANSWER KEYS & EXPLANATIONS

Detailed solutions to learn and improve



4 California CAASPP Grade 3 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



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

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Welcome to the California Math Launch

Four missions, careful work, and a stronger Grade 3 thinker



Read the mission. Show the work. Check the answer. Launch again.

To the Grade 3 Mission Leader

This book is a four-mission practice launch for the California CAASPP. Each test gives you a fresh chance to multiply, divide, read graphs, compare fractions, measure, find area, and explain math in a way someone else can follow.

California has redwood forests, ocean cliffs, valley farms, and cities full of bright ideas. Good math uses the same habit: pause, check the details, and move forward with a steady plan.

Notice

Find the numbers, units, and question before choosing a path.

Model

Draw an array, number line, table, or quick equation.

Verify

Ask whether your answer fits the story and the unit.

Launch promise: I will slow down at the important moments, show the work I can, and use every miss as a clue for the next mission.

How to Use This Book

A four-mission routine for steady Grade 3 growth

1. Warm Up the System

Read the review pages first. Remind your brain how equal groups, fractions, clocks, graphs, and area models work.

2. Fly One Mission

Take one complete 30-question test. Keep your work neat enough that you can check it later.

3. Review the Flight

Use the answer key, then pause. A wrong answer is useful when you can name what happened.

4. Repair and Relaunch

Rework a few missed questions before starting the next test. The repair step is where the score begins to move.

A Four-Session Plan

Session 1	Take Test 1 and mark the topics that need attention.
Session 2	Take Test 2 and focus on showing every step clearly.
Session 3	Take Test 3 and watch for units, labels, and two-step problems.
Session 4	Take Test 4 and finish with calm, careful checking.

Best mission habit: After checking answers, write one sentence: “Next time I will pay attention to _____.”



Test Overview

What each Grade 3 math mission asks you to do

Each practice test has 30 questions. Across four tests, you will practice the kind of Grade 3 math thinking used on the California CAASPP: reading carefully, choosing a strategy, doing accurate computation, and explaining enough work to make your answer clear.

Multiple Choice

Look for the best answer. Estimate first when you can, cross out choices that do not fit, and reread the question before you choose.

Open Response

Write the answer and show the reason. A good Grade 3 response may use a drawing, equation, table, number line, or a few clear words.

Math Ideas Inside the Four Tests

- multiplication, division, arrays, missing factors, and two-step word problems
- place value, rounding, addition, subtraction, and multiplying by tens
- unit fractions, number lines, equivalent fractions, and comparing fractions
- time, mass, liquid volume, picture graphs, bar graphs, and line plots
- area, perimeter, unit squares, rectangles, and shape categories

What strong CAASPP work looks like: the answer matches the question, the units make sense, and the work is clear enough to check.



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1) Counting unit fractions, what do $\frac{1}{4}$, $\frac{1}{4}$, and $\frac{1}{4}$ make together?

- A. $\frac{1}{12}$
 B. $\frac{3}{4}$

- C. $\frac{3}{1}$
 D. $\frac{1}{4}$

2) $354 + 186 = ?$

- A. 540
 B. 539

- C. 549
 D. 550

3) Noah has $\frac{3}{1}$ cookies. How many whole cookies does he have?

- A. 1
 B. 6

- C. 0
 D. 3

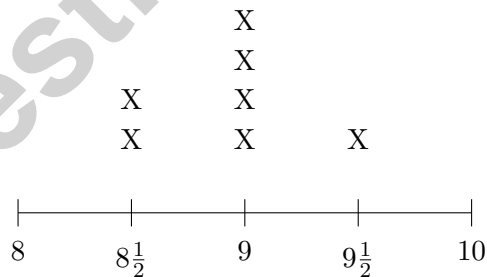
4) The pattern for multiples of 6: 6, 12, 18, 24, 30, 36.

What is the rule?

- A. Add 5 each time
 B. Skip count by 2

- C. Double the number
 D. Add 6 each time

5) A line plot displays insect body lengths in millimeters: 8 , $8\frac{1}{2}$, 9 , $9\frac{1}{2}$, 10 .



How many insects are longer than $8\frac{1}{2}$ millimeters?

- A. 3
 B. 4

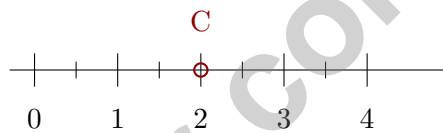
- C. 5
 D. 6



- 6) A picture graph shows donated items. Each box represents 10 items. There are 8 boxes. How many items were donated?

A. 18 C. 80
 B. 70 D. 90

- 7) A circle is divided into 3 equal parts. Two parts are shaded. What fraction of the circle is NOT shaded?



8)

The number line from 0 to 4 is split into halves. Point C is at 2. How many halves is that?

A. $\frac{4}{2}$ C. $\frac{1}{2}$
 B. $\frac{3}{2}$ D. $\frac{2}{2}$

- 9) Noah organizes his toy train cars in 4 equal rows. If he has 20 cars, how many cars are in each row?

A. 5 C. 24
 B. 16 D. 80

- 10) What number makes the equation true?

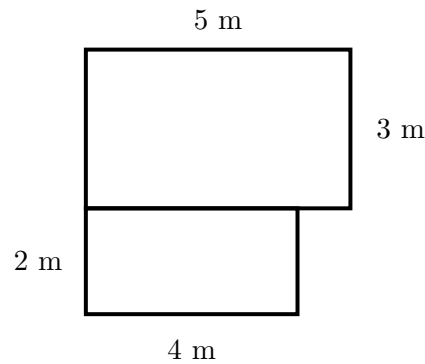
$$\square \div 4 = 6$$

A. 10 C. 28
 B. 18 D. 24



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- 11) An L-shaped garden is divided into two rectangles. The top rectangle has length 5 m and width 3 m. The bottom rectangle has length 4 m and width 2 m. What is the total area of the garden?



- A. 14 sq m C. 38 sq m
 B. 23 sq m D. 120 sq m



- 12)

A rectangular field measures 10 yards by 4 yards. Find the area.

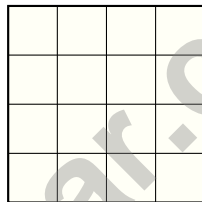


- 1) Look at the rectangle with 3 equal parts. One part is shaded blue.



What fraction is shaded?

- A. $\frac{1}{2}$ C. $\frac{2}{3}$
 B. $\frac{1}{3}$ D. $\frac{3}{1}$
- 2) Mia needs to tile a floor that is 4 feet by 4 feet using 1-foot by 1-foot tiles (unit squares in feet). How many tiles does she need?



4 feet

- A. 8 tiles C. 16 tiles
 B. 12 tiles D. 20 tiles
- 3) A rectangle has area 20 square feet. Its length is 5 feet. What is its width?
- A. 3 feet C. 5 feet
 B. 4 feet D. 15 feet
- 4) Draw a quadrilateral that is not a rectangle, square, or rhombus.



5) A rectangle's area can be written as $3 \times (5 + 4)$. What is the total area?

A. 12

C. 27

B. 15

D. 20

6) Which number sentence is correct?

A. $6 \times 7 = 35$

C. $9 \times 5 = 44$

B. $7 \times 6 = 48$

D. $5 \times 8 = 40$

7)

×	1	2	3	4	5
2	2	4	6	8	10
3	3	6	9	12	15
4	4	8	12	16	20
5	5	10	15	20	25

Looking at the number 12 in the table, which multiplications give 12?

A. Only 3×4

C. 3×4 and 4×3

B. Only 4×3

D. 2×6 and 3×4

8) On a number line from 0 to 1 divided into 4 equal parts, what fraction is at the second tick mark from 0?

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

C. $\frac{3}{4}$

B. $\frac{2}{4}$

D. $\frac{4}{4}$

9) $\frac{3}{4} = \frac{?}{8}$. What is the missing numerator?

A. 4

C. 6

B. 5

D. 7



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- 1) A rectangle can be divided into equal parts in different ways. Which way shows the rectangle divided into 2 equal parts?



- A. One vertical line through the middle C. Two horizontal lines and two vertical lines
 B. Two vertical lines D. One diagonal line and one vertical line
- 2) A classroom floor is a rectangle. It is 8 meters long and 6 meters wide. How many square meters is the classroom floor?
- A. 14 square meters C. 28 square meters
 B. 48 square meters D. 56 square meters
- 3) Which fraction is equivalent to $\frac{3}{4}$?

- A. $\frac{3}{8}$ C. $\frac{6}{8}$
 B. $\frac{3}{6}$ D. $\frac{2}{4}$



The number line from 0 to 6 is divided into halves. Point F is at 4. Write the improper fraction for point F .

- A. $\frac{8}{2}$ C. $\frac{4}{2}$
 B. $\frac{6}{2}$ D. $\frac{12}{2}$



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- 5) Maya buys 7 packs of stickers. Each pack has 30 stickers. How many stickers does Maya buy?

- 6) Two identical squares are divided into equal parts. Square A has 2 parts shaded out of 4. Square B has 3 parts shaded out of 6. Is the shaded area the same?

- A. Cannot tell without measuring. C. Yes, same area.
 B. No, Square B is larger. D. No, Square A is larger.

- 7) A rectangle is split into two parts with areas 35 and 21. Both parts share one dimension of length 7. What is the total area?

- A. 56 C. 42
 B. 70 D. 49

- 8) Sam fills a bottle with water 3 times. Each time he uses 400 mL. How much water total?

- A. 400 mL C. 1000 mL
 B. 800 mL D. 1200 mL



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

- Choice B is correct.** **(3.NF.A.1)** When you add three unit fractions of $\frac{1}{4}$, you get $\frac{1}{4} + \frac{1}{4} + \frac{1}{4} = \frac{3}{4}$.
- Choice A is correct.** **(3.NBT.A.2)** Ones: $4 + 6 = 10$ (write 0, carry 1). Tens: $5 + 8 + 1 = 14$ (write 4, carry 1). Hundreds: $3 + 1 + 1 = 5$. Answer: 540.
- Choice D is correct.** **(3.NF.A.3c)** $\frac{3}{1} = 3$ wholes. Any number divided by 1 equals itself.
- Choice D is correct.** **(3.OA.D.9)** From 6 to 12 is +6; from 12 to 18 is +6. The constant difference is 6.
- Choice C is correct.** **(3.MD.B.4)** Longer than $8\frac{1}{2}$ means $9, 9\frac{1}{2}$: that is $4 + 1 = 5$ insects.
- Choice C is correct.** **(3.MD.B.3)** $8 \times 10 = 80$ items.
- The correct answer is $\frac{1}{3}$.** **(3.G.A.2)** If 2 out of 3 parts are shaded, then 1 part is not shaded, which is $\frac{1}{3}$.
- Choice A is correct.** **(3.NF.A.2b)** Point C at 2 is 4 halves: $\frac{4}{2} = 2$.
- Choice A is correct.** **(3.OA.A.3)** Divide: $20 \div 4 = 5$ cars per row.
- Choice D is correct.** **(3.OA.A.4)** Use the inverse: $6 \times 4 = 24$, so $24 \div 4 = 6$. Check: $24 \div 4 = 6$.
- Choice B is correct.** **(3.MD.C.7d)** Find each rectangle: top is $5 \times 3 = 15$ sq m; bottom is $4 \times 2 = 8$ sq m. Total: $15 + 8 = 23$ sq m.
- The correct answer is 40 square yards.** **(3.MD.C.7b)** Area = length \times width, so $10 \times 4 = 40$ square yards.
- Choice D is correct.** **(3.NBT.A.1)** The tens digit is 5. Since $5 \geq 5$, round up: 158 rounds to 200.
- Choice C is correct.** **(3.OA.D.8)** Step 1: Multiply for shelf books: $3 \times 12 = 36$ books. Step 2: Add table books: $36 + 9 = 45$ books. (Choice B is step 1 only.)
- Choice C is correct.** **(3.NF.A.3d)** Strategy: same numerator (2), so compare denominators. Thirds are bigger pieces than fourths (a whole divided by 3 gives bigger parts than divided by 4). Visual check: the blue bar ($\frac{2}{3}$) covers more area than the bar would if it were $\frac{2}{4}$. Rule: when numerators match, smaller denominator wins.
- Choice D is correct.** **(3.OA.A.1)** 6 boxes with 4 stars in each box means 6 groups of 4. So $6 \times 4 = 24$ stars.
- Choices A and B are correct.** **(3.OA.A.2)** $24 \div 3 = 8$ is the division sentence. The related multiplication is $3 \times 8 = 24$. Choice C confuses the divisor, choice D uses addition instead of division, and choice E swaps the dividend and divisor.
- Choice D is correct.** **(3.OA.B.5)** The identity property of multiplication says any number times 1 equals itself. $6 \times 1 = 6$.
- Choice C is correct.** **(3.NF.A.2)** Moving right from $\frac{2}{4}$, the next tick mark shows $\frac{3}{4}$.
- Choice B is correct.** **(3.MD.A.2)** Subtract: $6 - 2 = 4$ L.
- Choice C is correct.** **(3.OA.C.7)** $80 \div 8 = 10$ because $10 \times 8 = 80$.
- Choice B is correct.** **(3.MD.C.7)** With length 5 and width 4, you add the width 4 five times: $4 + 4 + 4 + 4 + 4 = 20$. This equals $5 \times 4 = 20$ square units.
- Choice C is correct.** **(3.MD.C.5a)** A unit square with side length 1 cm has area $1 \text{ cm} \times 1 \text{ cm} = 1 \text{ cm}^2$.
- Choice B is correct.** **(3.MD.C.5)** Rectangle: $3 \times 7 = 21$ square units. Square: $5 \times 5 = 25$ square units. The square covers more space.
- Choice C is correct.** **(3.MD.C.7a)** Tall rectangle: $3 \times 8 = 24$ square units. D is concatenation error.
- Choice A is correct.** **(3.NF.A.3b)** Rectangle A shows $\frac{2}{4}$ (2 out of 4 parts) and Rectangle B shows $\frac{4}{8}$ (4 out of 8 parts). Both represent the same amount, so $\frac{2}{4} = \frac{4}{8}$.
- The correct answer is 64 tiles.** **(3.MD.C.5b)** This emphasizes improvised/real units (square meter tiles). Count the rows: 8 rows with 8 tiles per row. Total: $8 + 8 + 8 + 8 + 8 + 8 + 8 + 8 = 64$ square meter tiles cover the garden.
- Choice A is correct.** **(3.G.A.1)** Squares and rectangles are both quadrilaterals with 4 right angles. The difference is that a square has all equal sides, while a rectangle does not require this.
- Choice A is correct.** **(3.OA.B.6)** To solve $54 \div 9 = \square$, think: $\square \times 9 = 54$. The multiplication fact $9 \times 6 = 54$ directly gives the answer 6.
- Choice B is correct.** **(3.MD.C.7c)** $21 = 3 \times 7$ and $12 = 3 \times 4$. The distributive property shows the total as $3 \times (7 + 4) = 33$.



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- **Mindset:** CHAMPION! You believe in yourself.

Champion tip: on test day, walk in proud. You trained for this. You are ready!

If you want to share something or ask a question, please email me at jay@testinar.com.

Jay Daie

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