

# 4

**COMPLETE**

# California CAASPP

Grade **MATH**

# PRACTICE TESTS

# 5

Standards-Based Test Prep with  
Mixed Review, Word Problems,  
and **Full Answer Key**



- ✓ **4 COMPLETE PRACTICE TESTS**  
Built to reflect the test format and rigor



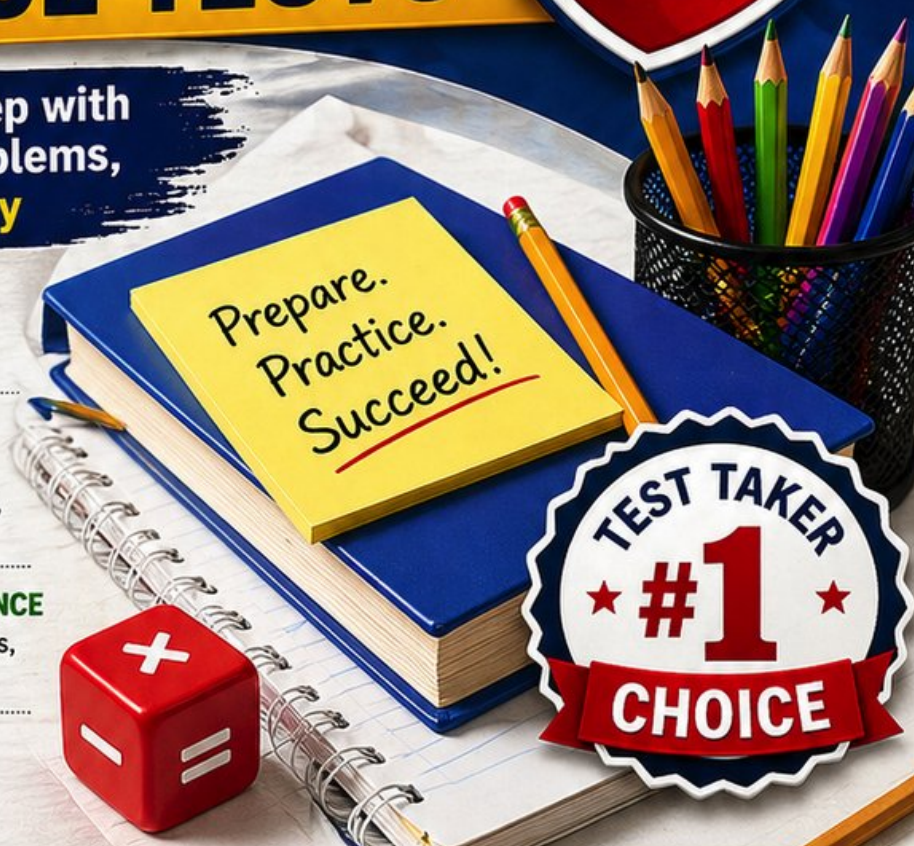
- ✓ **COVERS ALL ESSENTIAL TOPICS**  
Numbers & Operations, Fractions, Decimals, Geometry, Measurement, Data & Probability, and more



- ✓ **STRENGTHEN SKILLS & CONFIDENCE**  
Mixed review, challenging questions, and strategic practice



- ✓ **FULL ANSWER KEY INCLUDED**  
Detailed explanations for every question



**TEST TAKER  
#1  
CHOICE**



**BUILD STRONG  
MATH SKILLS  
& TEST READINESS**



**IMPROVE ACCURACY,  
SPEED, AND  
PROBLEM SOLVING**



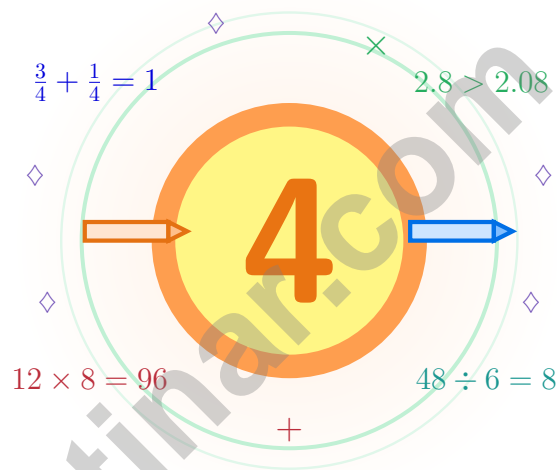
**PERFECT FOR  
CLASSROOM,  
HOME, OR  
SELF-STUDY**



**ALIGNED TO  
CALIFORNIA  
STATE STANDARDS  
(CAASPP)**

# 4 California CAASPP Grade 5 Math Practice Tests

*Four full practice tests and the habits that carry you to the real one*



Four full tests, a smart quick review, mission-style strategy pages, and student-tested support that help Grade 5 mathematicians from The Golden State build calm, careful, confident habits.

**Jay Daie and Reza Nazari**



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# California Grade 5: Mission Briefing

A four-test journey for California Grade 5 thinkers

## Just for California Grade 5 Mission Specialists

This book gives you four chances to read closely, solve carefully, and level up your math thinking. Strong math thinking grows the way a redwood grows – slowly, deeply, with strong roots and steady upward reach.

You do not need to feel perfect before you begin. You just need to stay curious, use strategies, and learn from every correction. That is how confident mathematicians are built.

### Read Slow

Read each word twice and underline what is asked.

### Choose Smart

Pick the operation, model, or sketch that fits.

### Grow

Use missed questions as clues for what to learn next.

**A strong mission habit for California:** keep your work neat, estimate when it helps, label units carefully, and never let one hard question decide your mood for the whole page.

## Your Step-by-Step Plan

A four-step routine that turns practice into real improvement

### Step 1: Warm Up

**Sharpen your math brain with the quick review.**

Wake up the big Grade 5 ideas before the test starts so your brain is already warmed up.

### Step 2: Mission Run

**Take a full practice test in a calm spot.**

Find a calm corner, settle in, and aim for careful, honest choices before quick ones.

### Step 3: Debrief

**Score honestly and circle missed questions.**

Circle missed questions, sort out what went sideways, and notice which skills are calling for attention.

### Step 4: Repair Kit

**Fix the missed work and lock the lesson in.**

Read the explanation, fix the work, and carry that lesson into the very next test.



Scan me

**A Four-Week California Mission Map**

Week	Mission Focus
<b>Week 1</b>	Take Test 1. It is your snapshot, not your final score – a starting line, not a verdict.
<b>Week 2</b>	Take Test 2 and grow your word-problem skills, visual models, and clear written steps.
<b>Week 3</b>	Take Test 3 and sharpen fractions, decimals, and unit conversions.
<b>Week 4</b>	Take Test 4 and walk in steady – calm pacing, neat work, careful checking.

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## Grade 5 Mathematics Reference Materials

### PERIMETER AND AREA

Perimeter of Rectangle  $P = 2l + 2w$  or  $P = 2(l + w)$

Area of Rectangle  $A = l \times w$

Area of Triangle  $A = \frac{1}{2} \times b \times h$

Volume of Rectangular Prism  $V = l \times w \times h$

### LENGTH

#### Customary

1 foot (ft) = 12 inches (in.)

1 yard (yd) = 3 feet (ft)

1 yard (yd) = 36 inches (in.)

#### Metric

1 meter (m) = 100 centimeters (cm)

1 centimeter (cm) = 10 millimeters (mm)

1 kilometer (km) = 1,000 meters (m)

### CAPACITY

#### Customary

1 cup (c) = 8 fluid ounces (fl oz)

1 pint (pt) = 2 cups (c)

1 quart (qt) = 2 pints (pt)

1 gallon (gal) = 4 quarts (qt)

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### WEIGHT AND MASS

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1 pound (lb) = 16 ounces (oz)

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### TIME

1 minute (min) = 60 seconds (sec)    1 week = 7 days

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1 day = 24 hours (hr)    1 year = 52 weeks



1) Which mixed number equals  $4\frac{5}{7} - 1\frac{2}{3}$ ?

A.  $2\frac{1}{21}$

B.  $3\frac{1}{21}$

C.  $3\frac{3}{10}$

D.  $4\frac{1}{21}$

2) What is  $56.8 \div 100$ ?

A. 5.68

B. 0.568

C. 0.056

D. 568

3) List the first four multiples of 7.

A. 1, 7, 14, 21

B. 7, 14, 21, 35

C. 7, 15, 21, 28

D. 7, 14, 21, 28

4) What is the y-coordinate of (0, 7)?

*Record your answer in the space provided.*

5) A water tank contains  $\frac{1}{8}$  of a litre. The water is to be equally distributed to 4 containers. How much water goes in each container?

A.  $\frac{1}{2}$  litre

B.  $\frac{1}{4}$  litre

C.  $\frac{1}{32}$  litre

D.  $\frac{1}{12}$  litre

6) A candy store has 5 pounds of gummy bears. If they package them in bags of  $\frac{1}{4}$  pound each, how many bags can they fill?

A. 15 bags

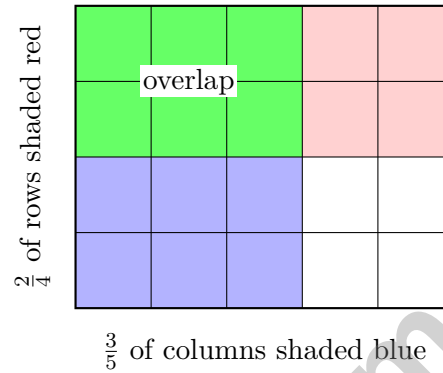
B. 16 bags

C. 18 bags

D. 20 bags



- 7) Use the area model to find  $\frac{3}{5} \times \frac{2}{4}$ . The grid is split into 5 columns and 4 rows. The first factor marks 3 of the 5 columns, and the second factor marks 2 of the 4 rows. The overlap is the part counted for the product.



What is the product?

- A.  $\frac{3}{10}$ 
 C.  $\frac{6}{9}$   
 B.  $\frac{5}{9}$ 
 D.  $\frac{7}{20}$
- 8) A swimmer graphs practice. The x-axis shows laps completed, and the y-axis shows minutes elapsed. What does the point (8, 16) mean?
- A. laps completed is 16 when minutes elapsed is 8
  C. laps completed and minutes elapsed are both 24  
 B. minutes elapsed is 8 when laps completed is 16
  D. minutes elapsed is 16 when laps completed is 8
- 9) A water bottle holds 2.5 liters. After drinking 1.08 liters, how much remains?
- A. 1.42 L
  C. 1.52 L  
 B. 1.32 L
  D. 1.62 L



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1) A water bottle is  $\frac{3}{4}$  full. After drinking  $\frac{1}{6}$  of the full bottle, how much water is left?

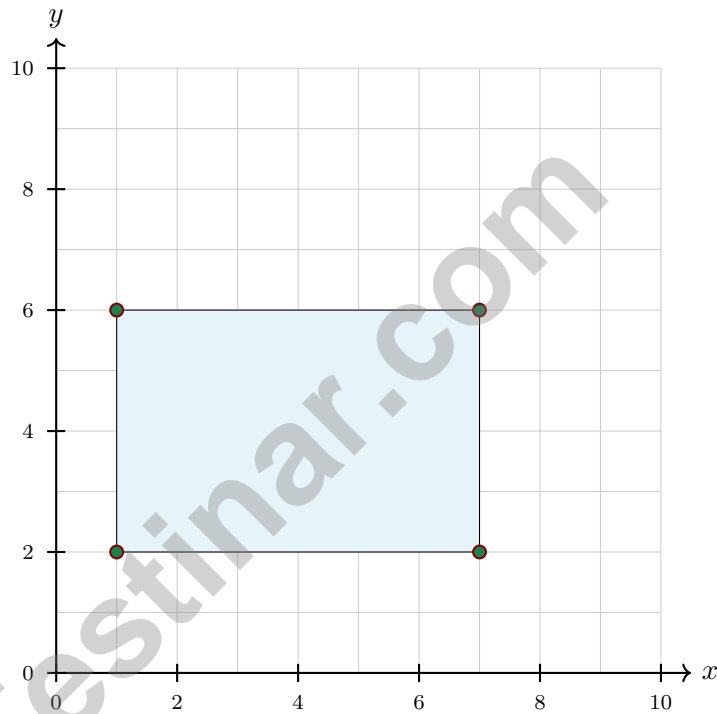
A.  $\frac{4}{12}$

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

C.  $\frac{9}{12}$

D.  $\frac{7}{12}$

2) Four points are plotted to form a quadrilateral: (1, 2), (7, 2), (7, 6), and (1, 6). What shape is formed?

 A. Trapezoid B. Triangle C. Rectangle D. Hexagon

3) Find missing addend:  $? + 1.67 = 4.92$

 A. 3.15 B. 3.45 C. 3.35 D. 3.25

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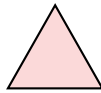


1) What is  $6 \times 1000$ ?

- A. 600  
 B. 6000

- C. 60000  
 D. 6600

2) Which shape is a regular hexagon?



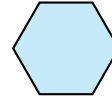
A



B



C



D

- A. A  
 B. B

- C. C  
 D. D

3) For the points  $(1, 2)$ ,  $(2, 4)$ ,  $(3, 6)$ , each Y value is how many times X?

*Record your answer in the space provided.*

4) What rule defines: 1, 2, 4, 8, 16?

- A. Add 1 each time  
 B. Multiply by 2 each time  
 C. Multiply by 3 each time  
 D. Subtract 2 each time



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## Practice Test Answer Keys

### How to use this section:

1. check your answer
2. circle missed questions
3. rework them before reading the explanation

**Good correction habits build strong scores.**

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## Practice Test Answers and Explanations

### Practice Test 1 Answers and Explanations

- 1) **Choice B is correct.** **(5.NF.1)** Subtract the whole numbers and fractions:  $4\frac{5}{7} - 1\frac{2}{3} = 3 + \left(\frac{15}{21} - \frac{14}{21}\right) = 3\frac{1}{21}$ .
- 2) **Choice B is correct.** **(5.NBT.2)** Dividing by 100 moves the decimal 2 places left:  $56.8 \rightarrow 5.68 \rightarrow 0.568$ .
- 3) **Choice D is correct.** **(5.NF.2)** Multiples of 7 are found by multiplying 7 by 1, 2, 3, 4:  $7 \times 1 = 7$ ,  $7 \times 2 = 14$ ,  $7 \times 3 = 21$ ,  $7 \times 4 = 28$ .
- 4) **The correct answer is 7.** **(5.G.2)** The second number in an ordered pair is the y-coordinate.
- 5) **Choice C is correct.** **(5.NF.7)**  $\frac{1}{8} \div 4 = \frac{1}{8} \times \frac{1}{4} = \frac{1}{32}$ .
- 6) **Choice D is correct.** **(5.NF.6)**  $5 \div \frac{1}{4} = 5 \times 4 = 20$  bags.
- 7) **Choice A is correct.** **(5.MD.5)** The model marks 3 of the 5 columns and 2 of the 4 rows. Their overlap covers  $3 \times 2 = 6$  of the 20 total squares, so  $\frac{3}{5} \times \frac{2}{4} = \frac{6}{20} = \frac{3}{10}$ .
- 8) **Choice D is correct.** **(5.G.2)** The first coordinate, 8, matches the x-axis label: laps completed. The second coordinate, 16, matches the y-axis label: minutes elapsed. So the point means minutes elapsed is 16 when laps completed is 8.
- 9) **Choice A is correct.** **(5.NBT.7)**  $2.50 - 1.08 = 1.42$  liters. Annex zero to 2.5.
- 10) **Choice B is correct.** **(5.MD.1)** 1 liter = 1,000 milliliters. Multiply:  $2.8 \times 1000 = 2800$  mL.
- 11) **Choice A is correct.** **(5.NF.7)**  $9 \div \frac{1}{3} = 9 \times 3 = 27$ .
- 12) **Choice A is correct.** **(5.MD.1)** Add the four yields:  $200 + 250 + 225 + 275 = 950$  pounds. Keeping the same unit makes the total easy to compare.
- 13) **Choice C is correct.** **(5.G.2)** Use the rule output = input  $\times$  input:  $1 \times 1 = 1$ ,  $2 \times 2 = 4$ , and  $3 \times 3 = 9$ .
- 14) **Choice C is correct.** **(5.NBT.2)** Each division by 10 reduces the result by a factor of 10.  $5,000 \div 1,000 = 5$ .
- 15) **Choice D is correct.** **(5.NBT.1)** In 4.237, the digit 7 is in the third place after the decimal, which is the thousandths place.
- 16) **Choice C is correct.** **(5.G.1)** For two points with the same y-coordinate, the horizontal distance is the difference in x-coordinates:  $9 - 2 = 7$  units.
- 17) **Choice C is correct.** **(5.MD.2)** Count X marks at 4,  $4\frac{1}{2}$ , and 5 inches. That is  $2 + 1 + 2 = 5$  ribbon lengths that are 4 inches or longer.
- 18) **Choice C is correct.** **(5.MD.5)** First find the amount still needed:  $156.00 - 18.50 = 137.50$ . Then divide by the weekly savings:  $137.50 \div 12.50 = 11$  weeks.
- 19) **The correct answer is  $> 8$ ;  $9\frac{1}{3}$ .** **(5.NF.5)** A complete response should explain that  $\frac{7}{6} > 1$ , so the product is greater than 8. Then compute  $\frac{7}{6} \times 8 = \frac{56}{6} = \frac{28}{3} = 9\frac{1}{3}$ .
- 20) **Choices A, B are correct.** **(5.NBT.7)** Line up the decimal points:  $1.25 + 2.50 = 3.75$  and  $0.75 + 3.00 = 3.75$ . C gives 4.00, and D gives 3.25.
- 21) **Choice D is correct.** **(5.OA.3)** Each term is multiplied by 10:  $2,000 \times 10 = 20,000$ .
- 22) **Choice A is correct.** **(5.NBT.2)**  $47 \times 1000 = 47000$ . Append three zeros to the right.
- 23) **Choice C is correct.** **(5.G.3)** An obtuse angle measures more than  $90^\circ$  but less than  $180^\circ$ . This angle is  $110^\circ$ .
- 24) **The correct answer is 9 ft<sup>3</sup>.** **(5.MD.5)** Box A has volume  $8 \times 4 \times 3 = 96$  cubic feet. Box B has volume  $7 \times 5 \times 3 = 105$  cubic feet, so Box B is greater by 9 cubic feet.
- 25) **Choice B is correct.** **(5.OA.1)** The scaled bars show the relative sizes of the expressions. The longest bar is labeled  $5 \times (6 + 8)$ , so that expression has the greatest value.
- 26) **Choice B is correct.** **(5.NF.4)** Multiply numerators and denominators:  $\frac{1 \times 1}{2 \times 3} = \frac{1}{6}$ .
- 27) **Choice B is correct.** **(5.NBT.7)**  $0.35 < 0.4 < 0.45$ . The others are outside this range.
- 28) **Choice C is correct.** **(5.G.4)** All three sides have different lengths (3 cm, 4 cm, and 5 cm), so this is a scalene triangle.
- 29) **The correct answer is 21.** **(5.OA.1)** First simplify the parentheses:  $6 + 2 = 8$ . Then  $48 \div 8 = 6$  and  $5 \times 3 = 15$ , so the total is  $6 + 15 = 21$ .
- 30) **Choice C is correct.** **(5.NF.4)** The student correctly used the distributive property: both the 2 and the  $\frac{1}{4}$  must be multiplied by 2. That gives  $4 + \frac{2}{4} = 4\frac{1}{2}$ .



### Personal Trainer Wrap-Up

#### Math Athlete, Listen Up!

◇ 4 practice tests done. That's serious training. Your math muscles are strong, your endurance is high, and your reflexes (recognizing problem types) are quick. You're in great shape for the big test. ◇

★ **Trainer's wisdom:** muscle memory is real, even in math. The more you do something, the more your brain knows how to do it without thinking. You've built that muscle memory over 4 tests. Now it's automatic. ★

#### Athlete's Performance Card

- **Endurance:** TOP-TIER! You can finish a long test without burnout.
- **Strength:** STRONG! You handle multi-step problems with power.
- **Speed:** SHARP! You move efficiently from question to question.
- **Recovery:** GREAT! You bounce back fast from tough questions.

**Trainer's tip:** on test day, hydrate, breathe deeply, and warm up with the easier questions first. Build your rhythm. Your training will carry you the rest of the way.

If you'd like to share your experience or have questions, please email me at [reza@testinar.com](mailto:reza@testinar.com). I'd love to hear from you!

**Reza Nazari & Jay Daie**

Your Math Trainer (You're In Great Shape)

# 4 COMPLETE TESTS. CONFIDENCE. SUCCESS.



Give your child the practice and confidence they need to excel in **Grade 5 Math**. This book includes **4 full-length** practice tests designed to build skills, improve test readiness, and help students reach their full potential.

## WHAT'S INSIDE:



### 4 COMPLETE PRACTICE TESTS

Full-length tests that reflect real test format and rigor.



### COVERS ALL GRADE 5 TOPICS

Numbers & Operations, Fractions, Decimals, Geometry, Measurement, Data & Probability, and more.



### MIXED REVIEW & WORD PROBLEMS

Build problem-solving skills with mixed review questions and real-world word problems.



### DETAILED ANSWER KEY

Step-by-step explanations for every question to help students learn and improve.



### BUILD CONFIDENCE & IMPROVE SCORES

Practice consistently, reduce test anxiety, and achieve your best score!



**PRACTICE SMART. LEARN MORE. ACHIEVE YOUR BEST.**



**Strengthen**  
Math Skills



**Improve**  
Accuracy  
& Speed



**Master**  
Essential  
Concepts



**Boost**  
Confidence  
on Test Day



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