

7

California

CAASPP

GRADE 5

MATHEMATICS

PRACTICE TESTS

✓
**PRACTICE
PREPARE
SUCCEED**

★★★

Comprehensive Standards-Aligned
Review for Strong Grade 5
Math Performance



$$\frac{3}{4} + \frac{2}{4} = \frac{5}{4}$$

$$2.4 + 1.6 = 4.0$$

$$A = \frac{bh}{2}$$



**7 FULL-LENGTH
PRACTICE TESTS**

Realistic style
questions



**STANDARDS-
ALIGNED**

Covers all Grade 5
standards



BUILD CONFIDENCE

Target weak areas
and improve
performance



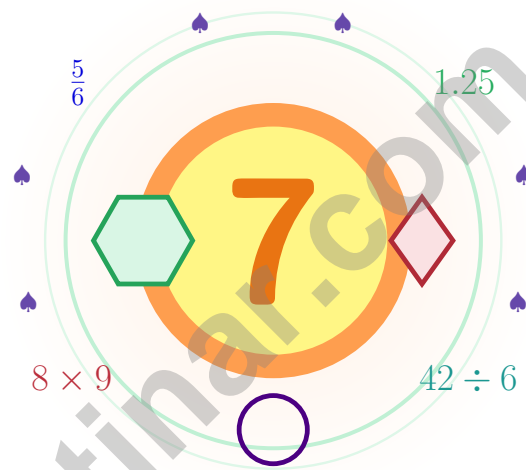
ACHIEVE SUCCESS

Develop skills,
stay prepared,
excel on test day

★ PRACTICE TODAY. PERFORM TOMORROW. **SUCCEED** FOREVER. ★

7 California CAASPP Grade 5 Math Practice Tests

Seven chances to read carefully, solve smartly, and grow stronger



Seven full tests, a concise review, and helpful support that turns Grade 5 practice in The Golden State into steady, confident growth from page one to the final check.

Jay Daie and Reza Nazari



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California Mathematicians, Lace Up

A seven-step trail built for steady, brave thinking

An Invitation to Grade 5 in California

This practice book is your steady companion for seven tests, not a place to be perfect. Strong math thinking grows the way a redwood grows – slowly, deeply, with strong roots and steady upward reach.

Use these seven tests like stepping-stones. Take one test at a time, check your answers honestly, and notice which skills need more attention. Small improvements add up across seven rounds.

Look

Look at the problem like a detective looks at a clue.

Test

Test your idea with one careful step at a time.

Grow

Grow stronger by reviewing exactly what tripped you up.

A strong habit for California mathematicians: read carefully, estimate when it helps, show your steps, and keep going even when a question feels tricky. That is how steady math confidence is built.

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Scan me



A Simple Path Through Seven Tests

A simple routine that turns practice into progress

Step 1: Read

Read the quick review pages first.
Spend a few minutes waking up your memory before the test begins.

Step 2: Try

Try one full test with full attention.
Work in a calm spot and focus on careful thinking before speed.

Step 3: Reflect

Reflect on which skills want more sunlight.
Circle missed questions and notice which topics keep showing up.

Step 4: Lift

Lift those skills before the next test.
Read the explanation, repair the work, and bring that lesson into the next test.

A Good 7-Week California Rhythm

Week 1	Take Test 1 like a careful coast morning.
Week 2	Take Test 2 and slow down on word problems.
Week 3	Take Test 3 and lift fraction and decimal work.
Week 4	Take Test 4 and pay close attention to labels and units.
Week 5	Take Test 5 and compare your habits with your first test.
Week 6	Take Test 6 and practice staying calm during tricky questions.
Week 7	Take Test 7 and finish strong with calm, careful work.



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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)

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CAPACITY

Customary

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

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1 liter (L) = 1,000 milliliters (mL)

WEIGHT AND MASS

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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) Find the LCD of $\frac{2}{9}$ and $\frac{5}{12}$. Which shows the correct pair?

A. $\frac{8}{36}$ and $\frac{15}{36}$

B. $\frac{6}{36}$ and $\frac{15}{36}$

C. $\frac{8}{36}$ and $\frac{12}{36}$

D. $\frac{4}{36}$ and $\frac{5}{36}$

2) Which expression is greater: $4 \times (15 + 7)$ or $4 \times 15 + 7$?

A. $4 \times (15 + 7)$

B. $4 \times 15 + 7$

 C. The expressions are equal.

 D. Cannot be determined.

3) A water tank holds 18.4 liters. If it is emptied equally into 100 bottles, how much water is in each bottle?

A. 184 liters

B. 1.84 liters

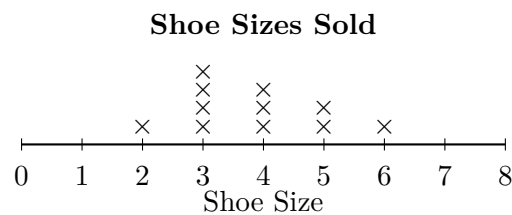
C. 18.4 liters

D. 0.184 liters

4) Find the difference: $7\frac{3}{5} - 3\frac{1}{2}$.

Record your answer in the space provided.

5) The line plot shows the number of shoes various sizes sold at a store:



What is the most popular shoe size?

A. 2

B. 3

C. 4

D. 5



6) Money: A pen costs \$0.45. How much do 100 pens cost?

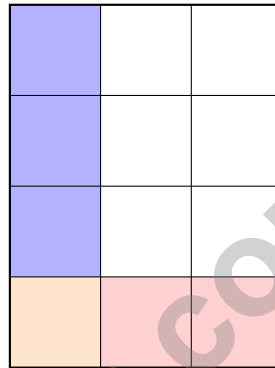
A. \$4.50

C. \$450

B. \$45

D. \$4,500

7) A recipe makes 12 cookies. If you only want to make $\frac{1}{3}$ of the recipe, and the recipe calls for $\frac{3}{4}$ cup of butter, how much butter do you need?



A. $\frac{1}{4}$ cup or $\frac{3}{12}$ cup

C. $\frac{1}{2}$ cup

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

D. $\frac{2}{3}$ cup

8) A diagram shows one sixth divided into 5 equal parts. Which equation represents it?

A. $\frac{1}{6} \div 5 = n$

C. $\frac{1}{6} + 5 = n$

B. $5 \div \frac{1}{6} = n$

D. $5 \times \frac{1}{6} = n$

9) Base area 50 cm^2 , volume 250 cm^3 . Height =?

A. 5 cm

C. 300 cm

B. 200 cm

D. 12500 cm



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1) Add: $2\frac{7}{10} + 3\frac{6}{10}$

A. $5\frac{12}{10}$

B. $5\frac{3}{10}$

C. $6\frac{3}{10}$

D. 6

2) Which ordered pair fits the rule “add 7 to the input”?

A. (5, 35)

B. (5, 12)

C. (7, 5)

D. (2, 8)

3) What is the missing denominator? $\frac{7}{8} = \frac{21}{?}$

A. 16

B. 18

C. 24

D. 28

4) The diagram shows how place values relate. What is the missing number?



A. 5

B. 0.05

C. 0.005

D. 50

5) A recipe calls for $\frac{1}{3}$ -cup servings of sugar. How many servings are in 4 cups?

A. 4

B. 15

C. 8

D. 12

6) Which expression represents 45000 in expanded form using powers of 10?

Number	Breakdown	Power Form
45000	$40000 + 5000$?

A. $4 \times 10^4 + 5 \times 10^3$

B. $4 \times 10^3 + 5 \times 10^2$

C. 45×10^2

D. 4×10^5



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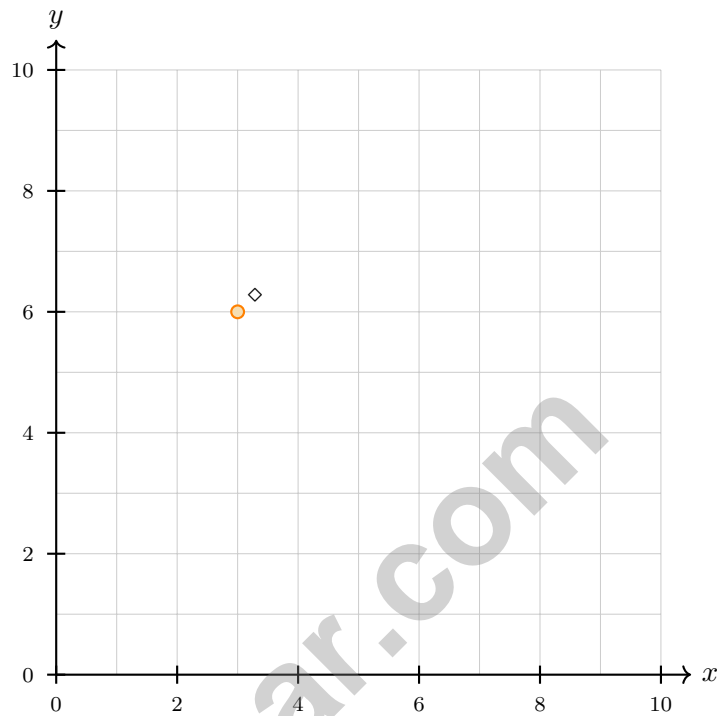
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- 1) What are the coordinates of the diamond-shaped point shown below?



- A. (3, 3) C. (3, 6)
- B. (6, 3) D. (6, 6)
- 2) A rectangular tank holds 480 m^3 of water. Its length is 16 m and its height is 6 m. What is the width?
- A. 4 m C. 6 m
- B. 5 m D. 7 m



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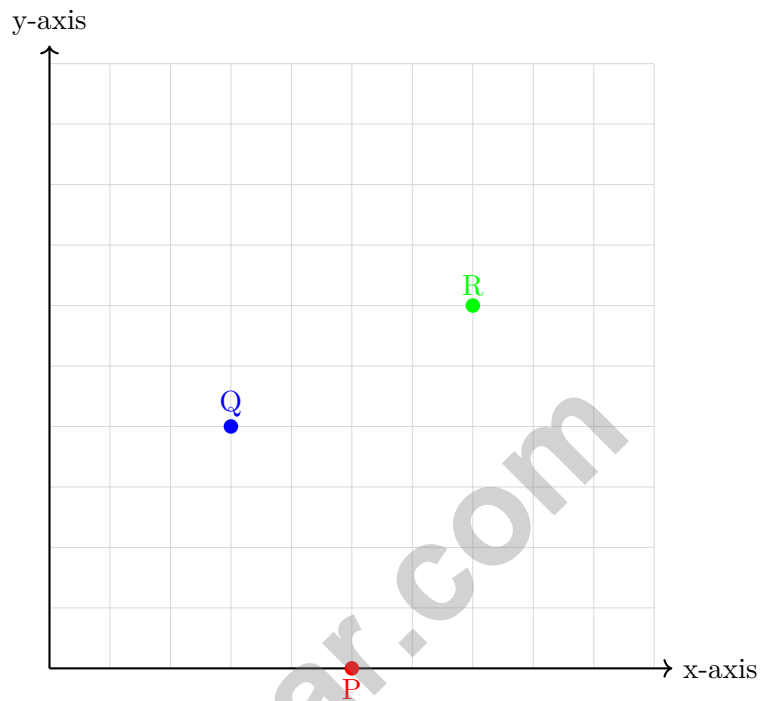
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1) Which point lies on the x-axis?



A. P

C. R

B. Q

D. All three

2) A number line shows 4 wholes marked in sixths. Which equation matches the model?

A. $\frac{1}{6} \div 4 = ?$

C. $4 - \frac{1}{6} = ?$

B. $4 \div \frac{1}{6} = ?$

D. $4 \times \frac{1}{6} = ?$



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

- Choice A is correct.** (5.NF.2) LCD of 9 and 12 is 36. $\frac{2}{9} = \frac{8}{36}$ and $\frac{5}{12} = \frac{15}{36}$.
- Choice A is correct.** (5.OA.1) In $4 \times (15 + 7)$, the 4 is multiplied by both 15 and 7. In $4 \times 15 + 7$, only 15 is multiplied by 4, with one 7 added afterward. The first expression is greater.
- Choice D is correct.** (5.NBT.2) Dividing by 100: $18.4 \div 100 = 0.184$ liters per bottle.
- The correct answer is $4\frac{1}{10}$.** (5.NF.1) $\frac{3}{5} = \frac{6}{10}$, $\frac{1}{2} = \frac{5}{10}$. $(7 - 3) + (\frac{6}{10} - \frac{5}{10}) = 4\frac{1}{10}$.
- Choice B is correct.** (5.MD.2) Count the X marks above each shoe size. Size 3 has 4 X marks, which is more than any other size.
- Choice B is correct.** (5.NBT.2) One pen costs 0.45. For 100 pens, move the decimal two places right: $0.45 \times 100 = 45$.
- Choice A is correct.** (5.MD.5) Butter needed = $\frac{1}{3} \times \frac{3}{4} = \frac{3}{12} = \frac{1}{4}$ cup.
- Choice A is correct.** (5.NF.6) The one-sixth piece is split into 5 equal parts. So the matching equation is $\frac{1}{6} \div 5 = n$.
- Choice A is correct.** (5.MD.4) The base area is 50 square centimeters. Since $250 \div 50 = 5$, the height is 5 cm.
- The correct answer is 4.** (5.NBT.1) In the number 346,782, the digits from right to left are: ones (2), tens (8), hundreds (7), thousands (6), ten thousands (4), hundred thousands (3). Therefore, the digit in the ten thousands place is 4.
- Choice C is correct.** (5.MD.1) 5 lengths: $5 \times 15 = 75$ meters. 3 widths: $3 \times 8 = 24$ meters. Total: $75 + 24 = 99$ meters. Convert: $99 \times 100 = 9,900$ centimeters.
- Choice D is correct.** (5.MD.1) 1 kilogram = 1,000 grams. Divide: $2500 \div 1000 = 2.5$ kg.
- Choice D is correct.** (5.OA.3) Each term is twice the term before it: 3 becomes 6, 6 becomes 12, and 12 becomes 24. Keep that same rule, so $24 \times 2 = 48$.
- Choice D is correct.** (5.MD.4) Box 1: $5 \times 3 \times 4 = 60$ cubic inches. Box 2: $6 \times 3 \times 4 = 72$ cubic inches. Combined: $60 + 72 = 132$ cubic inches.
- Choice C is correct.** (5.NF.2) $\frac{2}{10} + \frac{5}{10} = \frac{7}{10}$ of the book.
- Choice C is correct.** (5.MD.3) Work one prism at a time: $11 \times 3 \times 4 = 132$, $9 \times 5 \times 4 = 180$, and $8 \times 2 \times 4 = 64$. Add the non-overlapping volumes: $132 + 180 + 64 = 376$ cubic meters.
- Choice B is correct.** (5.NBT.2) $10^3 = 1,000$, so $25 \times 10^3 = 25 \times 1,000 = 25,000$. The answer 2,500 is what you get from 25×100 .
- Choice B is correct.** (5.OA.1) $6 + 2 \times 3 - 1 = 6 + 6 - 1 = 11$ (not 16). Adding $(6 + 2)$ changes order of ops. (2×3) doesn't change result.
- Choice A is correct.** (5.NBT.2) The correct answer is $7,500 \div 100 = 75$. The student's answer of 750 is what you get when dividing by 10 instead.
- Choices A, B are correct.** (5.MD.5) Since the height is 5 inches, the length-times-width part must be $60 \div 5 = 12$ square inches. A gives $4 \times 3 = 12$, and B gives $6 \times 2 = 12$; C and D are too large.
- Choice B is correct.** (5.NF.1) $\text{LCM}(9,3) = 9$. $\frac{1}{3} = \frac{3}{9}$. $\frac{4}{9} + \frac{3}{9} = \frac{7}{9}$.
- Choice D is correct.** (5.G.4) Every rectangle has two pairs of parallel sides, so every rectangle is a parallelogram.
- Choice A is correct.** (5.NF.4) "Half of $\frac{3}{4}$ " means $\frac{1}{2} \times \frac{3}{4} = \frac{3}{8}$.
- Choice C is correct.** (5.MD.4) Volume = $12 \times 3 \times 4 = 36 \times 4 = 144 \text{ cm}^3$.
- Choice B is correct.** (5.NBT.2) The nonzero parts make $3 \times 3 = 9$. The two factor zeros make the product 900, so it has 2 zeros.
- The correct answer is 20.** (5.NF.7) Each whole contains 5 one-fifth pieces. With 4 wholes, $4 \times 5 = 20$, so there are 20 fifths in all.
- Choice C is correct.** (5.OA.3) Pattern Y is 3 times Pattern Z: $3 \times 3 = 9$, $6 \times 3 = 18$, $9 \times 3 = 27$, and $12 \times 3 = 36$.
- Choice D is correct.** (5.NF.5) $20 \times \frac{3}{4} = 15$ ounces. Multiplying by a fraction less than 1 gives a smaller result.
- Choice D is correct.** (5.NF.5) 20×1 is exactly 20, not greater than 20. The factor $1\frac{1}{20}$ is just a little more than 1, so $20 \times 1\frac{1}{20} = 21$ is the closest product above 20.



Hello, Mathematician!

* You completed seven practice tests, and that means you practiced accuracy. Accuracy is the skill of getting the details right—place value, signs, units, and careful reading. *

◇ **A helpful truth:** most missed points come from small errors, not big ones. The good news is that small errors are fixable—especially when you check your work. ◇

My Accuracy Check

- **Digits:** did I copy numbers correctly?
- **Operation:** did I choose the correct operation?
- **Units:** does the answer match the unit in the question?
- **Reasonable:** does the answer make sense?

You've trained your brain to be careful. Bring that same careful thinking to test day—you'll do great. Reach me at reza@testinar.com if you want to share your progress.

Reza Nazari & Jay Daie

Your Math Coaches (Be Accurate)

PRACTICE TODAY. PERFORM TOMORROW.

Success in math starts with practice! This book provides the **practice, confidence, and skills** your child needs to excel on the Grade 5 Math test and beyond.

KEY BENEFITS:



TARGETED PRACTICE

Focus on the most important Grade 5 math skills.



STANDARD-ALIGNED

All tests align with state standards for Grade 5.



BUILD CONFIDENCE

Strengthen skills, reduce test anxiety, and boost confidence.



IMPROVE PERFORMANCE

Timed practice helps improve speed and accuracy.



ACHIEVE SUCCESS

Develop strong test-taking skills and achieve your best score!

PERFECT FOR:

✓ Classroom Practice

✓ Homework Help

✓ Test Preparation

✓ Summer Learning

✓ On-the-Go Practice

✓
PRACTICE
PREPARE
SUCCEED



STRONG SKILLS. BRIGHT FUTURE.

Give your child the tools they need to succeed in math and in life!



Visit testinar.com/math5 for more Grade 5 math resources and practice materials!



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FOR SUCCESS

Proven practice for real results.



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YOUR CHILD

Every step of the way.