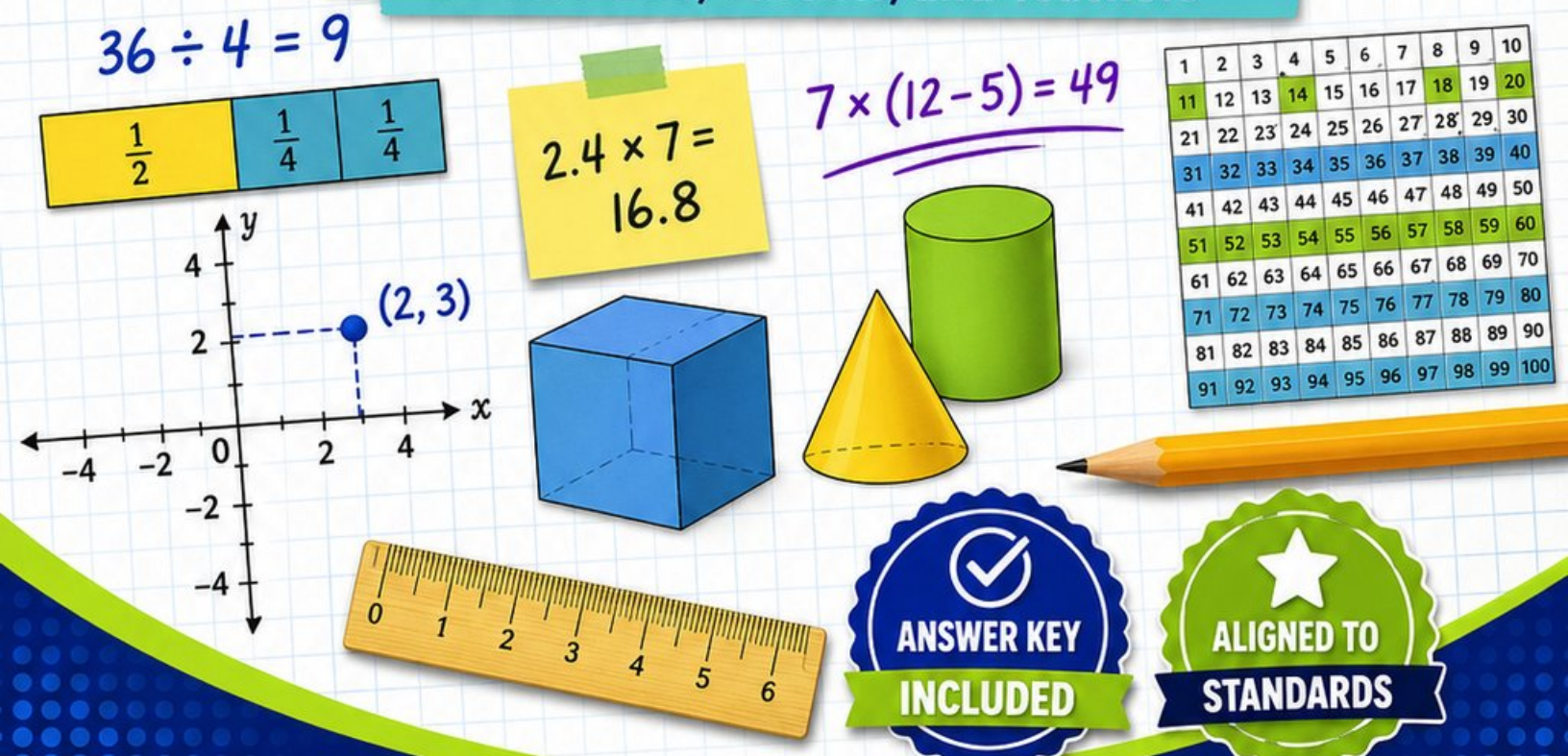
FULL-LENGTH

8 California CAASPP

GRADE 5 MATH PRACTICE TESTS

Mixed Practice Questions with Answer Key for Students, Parents, and Teachers

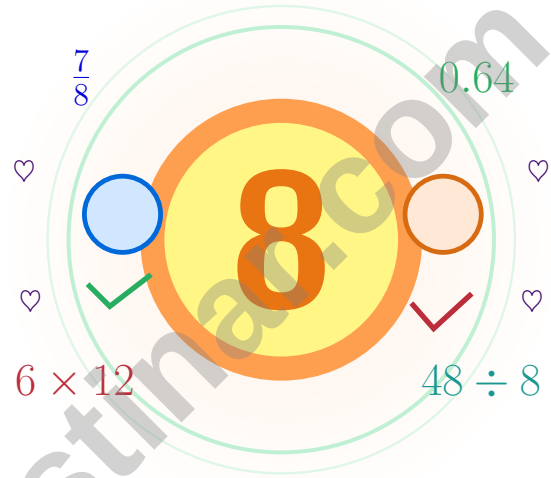


ANSWER KEY INCLUDED

ALIGNED TO STANDARDS

8 California CAASPP Grade 5 Math Practice Tests

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



Eight full tests, a focused quick 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 Math Crew, Welcome to the Path

Seven steps, seven growth checks, one calm routine

To the Grade 5 Mathematician

This practice book is your steady companion for eight 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 eight 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.

Notice

Notice the numbers, units, and any tricky words.

Sketch

Sketch a picture, table, or quick number line.

Confirm

Confirm your answer with an estimate or check.

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.

How to Get the Most Out

A simple routine that turns practice into progress

Step 1: Plan

Plan a quiet hour for one full test.
Spend a few minutes waking up your memory before the test begins.

Step 2: Practice

Take the test with calm focus.
Work in a calm spot and focus on careful thinking before speed.

Step 3: Inspect

Inspect every answer like a careful builder.
Circle missed questions and notice which topics keep showing up.

Step 4: Adjust

Adjust what needs adjusting for the next test.
Read the explanation, repair the work, and bring that lesson into the next test.

Table of Contents

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	$V = l \times w \times h$

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Customary	**Metric**
1 foot (ft) = 12 inches (in.)	1 meter (m) = 100 centimeters (cm)
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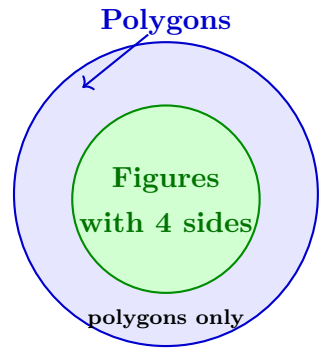
1) A Venn diagram has a large circle for polygons and a smaller circle inside it for figures with 4 sides. Which figure belongs inside the large circle but outside the smaller circle?

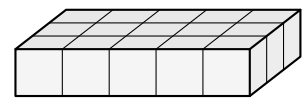


☐ A. Rectangle
☐ B. Square
☐ C. Triangle
☐ D. Rhombus

2) Without calculating, which statement is true?

☐ A. $25 \times \frac{2}{5} > 25$
☐ B. $25 \times \frac{2}{5} = 25$
☐ C. They cannot be compared
☐ D. $25 \times \frac{2}{5} < 25$

3) A rectangular box is 5 units long, 3 units wide, and 1 unit tall. How many unit cubes does it contain?



☐ A. 8 unit cubes
☐ B. 15 unit cubes
☐ C. 12 unit cubes
☐ D. 20 unit cubes

4) A class project uses string. They have 12.5 meters, 8.75 meters, and 6.25 meters of string. What is the total length?

12.5 m
8.75 m
6.25 m

☐ A. 27.5 meters
☐ B. 26.5 meters
☐ C. 25.5 meters
☐ D. 28.5 meters

5) A store sells notebooks. If each package contains 10 notebooks and the store has 23 packages, how many notebooks does the store have?

☐ A. 33
☐ B. 210
☐ C. 230
☐ D. 2300

6) "Multiply 8 by the difference of 14 and 5." Which expression is this?

☐ A. $8 \times 14 - 5$
☐ B. $(8 - 14) \times 5$
☐ C. $8 \times (14 - 5)$
☐ D. $14 \times 5 - 8$

7) A baker has 1 pound of cookie dough. Each cookie uses $\frac{1}{5}$ pound of dough. How many cookies can she make?

1 pound of dough

each $\frac{1}{5}$ lb

☐ A. 5 cookies
☐ B. 3 cookies
☐ C. 6 cookies
☐ D. 9 cookies

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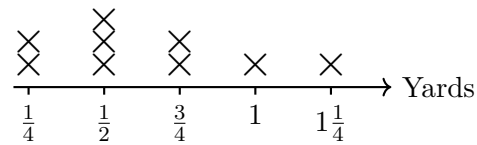
1) The line plot shows lengths of ribbon pieces, in yards:



What is the total length of all the ribbon pieces?

☐ A. $5\frac{1}{4}$ yards
☐ B. $5\frac{3}{4}$ yards
☐ C. $6\frac{1}{4}$ yards
☐ D. $6\frac{3}{4}$ yards

2) A field measures $4\frac{1}{2}$ meters by $2\frac{1}{3}$ meters. What is the area?

	4	$\frac{1}{2}$
2	4×2	$\frac{1}{2} \times 2$
$\frac{1}{3}$	$4 \times \frac{1}{3}$	$\frac{1}{2} \times \frac{1}{3}$

$4\frac{1}{2}$ wide $\times$ $2\frac{1}{3}$ tall

☐ A. $12\frac{1}{3}$
☐ B. $9\frac{1}{6}$
☐ C. 11
☐ D. $10\frac{1}{2}$

3) Which quotient will be less than 10?

☐ A. $100 \div 10$
☐ B. $8.5 \div 0.5$
☐ C. $8.5 \div 2$
☐ D. $45 \div 4$

4) Two prisms have equal bases of 10 sq. units. Prism P is 4 units tall; Prism Q is 6 units tall. What is the volume of Prism Q?

Prism P	Prism Q
base 10, height 4	base 10, height 6

☐ A. 40 cubic units
☐ B. 240 cubic units
☐ C. 100 cubic units
☐ D. 60 cubic units

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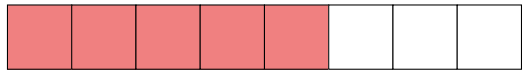
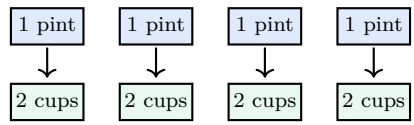
1) Bar shows 8 parts, 5 shaded. Remove 2 parts. $\frac{5}{8} - \frac{2}{8} = ?$



☐ A. $\frac{3}{8}$
☐ B. $\frac{7}{8}$
☐ C. $\frac{2}{8}$
☐ D. $\frac{5}{16}$

2) A pitcher holds 4 pints. Use 1 pint = 2 cups to find how many cups the pitcher holds.



4 pints = 4 × 2 cups

☐ A. 8 cups
☐ B. 6 cups
☐ C. 10 cups
☐ D. 4 cups

3) A rope is 3 m long. It is cut into pieces of 25 cm each. How many pieces?

Record your answer in the space provided.

4) Pattern A: 0, 2, 4, 6, 8. Pattern B: 0, 4, 8, 12, 16. For the nonzero matching terms, each B value is how many times the corresponding A value?

Record your answer in the space provided.

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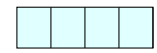
1) Place-value chart: identify the digit in the hundredths place for 5.726.

Ones	Tenths	Hundredths	Thousandths
5	7	2	6

☐ A. 5
☐ B. 7
☐ C. 2
☐ D. 6

2) What is $\frac{1}{3} \div 4$?



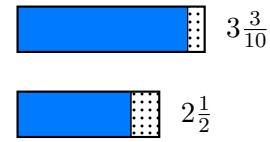
$\frac{1}{3}$ split into 4

☐ A. $\frac{4}{3}$
☐ B. $\frac{1}{12}$
☐ C. $\frac{3}{4}$
☐ D. $\frac{1}{7}$

3) Evaluate: $\{[2 \times (3+4)] - 6\} + 1$

☐ A. 7
☐ B. 15
☐ C. 13
☐ D. 9

4)



Find: $3\frac{3}{10} + 2\frac{1}{2} = ?$

☐ A. $5\frac{4}{10}$
☐ B. $5\frac{8}{10}$
☐ C. 6
☐ D. $6\frac{1}{5}$

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.

Practice Test Answers and Explanations

Practice Test 1 Answers and Explanations

1) **Choice C is correct.** 5.G.4 A triangle is a polygon, but it has 3 sides rather than 4 sides.
2) **Choice D is correct.** 5.NF.5 $\frac{2}{5} < 1$, so multiplying makes the result smaller.
3) **Choice B is correct.** 5.NF.5 A prism with height 1 has one layer. The layer is $5 \times 3 = 15$ cubes, so the box contains 15 unit cubes.
4) **Choice A is correct.** 5.MD.5 Add: $12.5 + 8.75 + 6.25 = 27.5$ meters.
5) **Choice C is correct.** 5.NBT.2 $23 \times 10 = 230$. When multiplying by 10, append one zero.
6) **Choice C is correct.** 5.OA.1 Difference: $(14 - 5) = 9$; multiply by 8: $8 \times 9 = 72$.
7) **Choice A is correct.** 5.NF.6 Think, "How many one-fifth-pound groups are in one pound?" Since $1 \div \frac{1}{5} = 5$, she can make 5 cookies.
8) **Choice A is correct.** 5.NF.4 $\frac{1}{3} \times \frac{3}{4} = \frac{3}{12} = \frac{1}{4}$ pound.
9) **The correct answer is about 4.** 5.NF.2 $7\frac{2}{5} \approx 7\frac{1}{2}$ and $3\frac{4}{7} \approx 3\frac{1}{2}$. Then $7\frac{1}{2} - 3\frac{1}{2} = 4$. Accept equivalent estimates that are clearly close to 4.
10) **Choice D is correct.** 5.NF.2 Compare matching terms: $6 = 3 \times 2$, $12 = 3 \times 4$, $18 = 3 \times 6$, $24 = 3 \times 8$, and $30 = 3 \times 10$.
11) **Choice D is correct.** 5.NBT.7 Shortest time = fastest. Compare: $6.204 < 6.24 < 6.402 < 6.42$. Dana's time of 6.204 s is shortest.
12) **Choice A is correct.** 5.OA.1 Inside the brackets, multiply first: $4 \times 2 = 8$. Then $3 + 8 = 11$, and the last step is $11 - 5 = 6$.
13) **The correct answer is 12.** 5.OA.1 You can multiply first: $\frac{4}{5} \times 15 = \frac{60}{5} = 12$. You can also think of $\frac{1}{5}$ of 15 as 3, so $\frac{4}{5}$ of 15 is 4 groups of 3, or 12.
14) **Choice C is correct.** 5.NF.4 The first coordinate, 15, matches the x-axis label: minutes played. The second coordinate, 450, matches the y-axis label: score. So the point means score is 450 when minutes played is 15.
15) **Choice A is correct.** 5.MD.4 $V = 7 \times 6 \times 4 = 42 \times 4 = 168$ m^3.
16) **Choice A is correct.** 5.MD.1 Convert 1.75 kg to grams: $1.75 \times 1000 = 1750$ g. Since $1750 > 1500$, the first rock is heavier.
17) **Choice C is correct.** 5.NBT.2 A power of 10 tells how many factors of 10 to use. $10^3 = 10 \times 10 \times 10 = 1000$. This confirms the answer.
18) **Choices A, B are correct.** 5.NBT.2 C is not true because 1 gallon is 16 cups. D is not true because 1 mile is 5,280 feet.
19) **Choice C is correct.** 5.OA.1 The parentheses make $5 + 3 = 8$. Then division and multiplication go left to right: $40 \div 8 = 5$, and $5 \times 2 = 10$.
20) **The correct answer is 18.13.** 5.OA.1 Line up decimal points and add place by place. Write $12.70 + 5.43 = 18.13$. This confirms the answer.
21) **Choice D is correct.** 5.NBT.7 $\frac{7}{10} = 0.7$ (tenths) and $\frac{1}{100} = 0.01$ (hundredths), so $4 + 0.7 + 0.01 = 4.71$.
22) **Choice D is correct.** 5.NBT.3 Multiply: $39 \times 28 = 39 \times (30 - 2) = (39 \times 30) - (39 \times 2) = 1,170 - 78 = 1,092$ seats.
23) **Choice C is correct.** 5.NBT.5 The tenths place is 7, hundredths is 6. Since $6 \geq 5$, round up: 7 becomes 8. Maria uses 8.8 meters.
24) **The correct answer is $\frac{7}{10}$.** 5.NF.1 Rewrite $\frac{2}{5} = \frac{4}{10}$. Then $\frac{4}{10} + \frac{3}{10} = \frac{7}{10}$.
25) **Choice B is correct.** 5.NF.1 Borrow 1 from 5: $4\frac{7}{6} - 2\frac{5}{6} = 2\frac{2}{6}$.
26) **Choice C is correct.** 5.NF.1 Multiples of 9: 9, 18, 27, ... Multiples of 3: 3, 6, 9, ... The LCD is 9.
27) **Choice D is correct.** 5.NF.2 The two coordinates are equal at each point. The points increase by 2 in both coordinates: (1,1), (3,3), (5,5), (7,7), (9,9).
28) **Choice A is correct.** 5.MD.2 Items at \$3: 2, Items at \$6: 3. Total: $2 + 3 = 5$ items cost less than \$9.
29) **Choice C is correct.** 5.MD.5 Sugar for cake $= \frac{1}{2} \times \frac{3}{4} = \frac{3}{8}$ of the 5-pound bag. Since $\frac{3}{8} \times 5 = \frac{15}{8} = 1\frac{7}{8}$, she used $1\frac{7}{8}$ pounds.
30) **Choice D is correct.** 5.NBT.7 Line up decimal points and subtract place by place. $12.50 - 8.75 = 3.75$ miles. This confirms the answer.

Captain of Your Own Math Plane,

◇ 8 practice tests behind you. That's many flights logged in your math airplane. You've handled clear weather, turbulence, tricky landings, and long routes. You're a real pilot now. ◇

⋆ **Pilots know:** a good pre-flight check makes for a good flight. Before each test problem, do your check: read the question, look at the numbers, pick a strategy. That short check makes the rest of the flight smooth. ⋆

Flight Crew Skills

- **Pre-flight Check:** CONSISTENT! You read questions carefully.
- **Navigation:** STRONG! You pick a clear strategy.
- **Steady Flight:** STEADY! You stay calm through long tests.
- **Landing:** SHARP! You always check your final answer.

Pilot's tip: on test day, don't fly the whole flight in your head before takeoff. Just take off. Then handle one problem at a time. Trust your training. You've earned your wings.

If you want to share a proud moment or ask a question, please email me at jay@testinar.com. I'd love to hear from you!

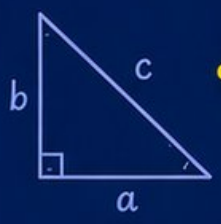
Jay Daie

Your Math Pilot (Clear Skies Ahead)

$45 \div 5 = ?$

$\frac{3}{5} + \frac{1}{10} = ?$

PRACTICE TODAY.
ACHIEVE TOMORROW!



This book includes **8** full-length Grade 5 math practice tests to help students master essential skills, build confidence, and achieve success. Each test is carefully designed to reflect real math standards and cover a variety of question types with detailed answer explanations.

$3^2 + 4^2 = 25$

$7x - 4 = 17$

$1\frac{1}{2} + 2\frac{1}{3} = ?$

8 FULL-LENGTH MATH PRACTICE TESTS

REALISTIC PRACTICE
Tests mirror Grade 5 math standards and real assessment formats.

ANSWER KEY INCLUDED
Detailed answer explanations help students understand and learn.

BUILD CONFIDENCE & SKILLS
Strengthens problem-solving abilities and reinforces key math concepts.

IMPROVE & TRACK PROGRESS
Identify strengths and focus on areas that need improvement.

ACHIEVE SUCCESS
Boosts test readiness and helps students achieve their best results.

COVERS ALL KEY GRADE 5 MATH TOPICS

- Whole Numbers & Operations
- 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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Great for Students, Parents, and Teachers!

Practice with purpose. Succeed with confidence!