

5 FULL-LENGTH California CAASPP

GRADE 5 MATH

★ PRACTICE TESTS ★



5 FULL-LENGTH
PRACTICE TESTS



COMPLETE
STANDARDS
REVIEW



SKILL PRACTICE,
WORD PROBLEMS,
AND MORE!

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



$$12 \times 3 = 36$$



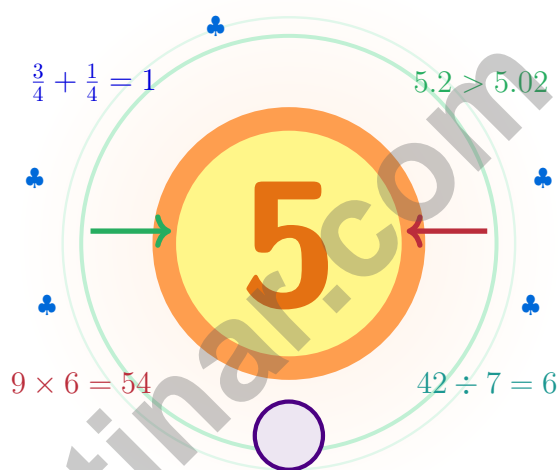
$$\frac{7}{10} = 0.7$$



BUILT FOR SUCCESS. DESIGNED TO HELP EVERY STUDENT.

5 California CAASPP Grade 5 Math Practice Tests

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



Five full tests, a friendly quick review, smart strategy pages, and student-tested support that turn Grade 5 practice in The Golden State into a steady quest of real growth.

Jay Daie and Reza Nazari



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Step into the Quest, California

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

To California Students Who Love a Puzzle

This book is your practice zone, not a place to be perfect. Each of the five tests gives you a chance to notice clues, choose a strategy, check your thinking, and come back stronger for the next round. Strong math thinking grows the way a redwood grows – slowly, deeply, with strong roots and steady upward reach.

Some questions will feel easy right away. Some will make you slow down, draw, estimate, or retry. That is excellent news. It means your math brain is doing real work.

Notice

Read closely and spot what the problem is really asking.

Try

Pick a plan and work through it one step at a time.

Level Up

Use every correction like a clue for what to practice next.

A strong quest habit for California: slow down, write neatly, estimate before you solve, and keep going even when a problem looks tricky at first. That is exactly how confident math students are built.

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How This Book Wants to Help

A simple routine that turns five tests into real growth

Step 1: Power Up

Warm up with the quick review.
Wake up important ideas before you begin so your brain is ready to use them.

Step 2: Take the Checkpoint

Take one full practice test.
Find a quiet space, work carefully, and let accuracy matter more than speed.

Step 3: Decode Mistakes

Check your answers honestly.
Circle missed questions and look for patterns. Which skill or habit needs another try?

Step 4: Bring the Lesson Forward

Study, fix, and retry.
Read the explanation, repair the work, and carry that lesson into the next test.

A Five-Week California Quest Map

| Week | Mission Focus |
|--------|----------------------------------------------------------------------------------------|
| Week 1 | Take Test 1. Treat it like a coastal sunrise – gentle, careful, and ready for the day. |
| Week 2 | Take Test 2 and notice one habit that grew stronger since last week. |
| Week 3 | Take Test 3 and lift fractions, decimals, and unit conversions. |
| Week 4 | Take Test 4 and slow down on multi-step word problems. |
| Week 5 | Take Test 5 and finish strong: calm pace, 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)

Metric

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

WEIGHT AND MASS

Customary

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

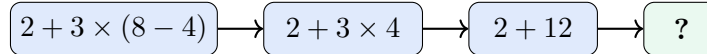


1) Evaluate: $3 \times [10 - (2 + 3)]$

- A. 5
 B. 10

- C. 15
 D. 30

2) The flow chart shows the steps of evaluating $2 + 3 \times (8 - 4)$. What goes in the last box?



- A. 10
 B. 12

- C. 14
 D. 20

3) A recipe calls for 6.75 cups of flour. You have already mixed 2.43 cups. How many more cups do you need?

- A. 4.32 cups
 B. 4.42 cups

- C. 4.12 cups
 D. 3.92 cups

4) Simplify and add: $\frac{2}{8} + \frac{2}{4}$

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

- C. $\frac{3}{4}$
 D. $\frac{5}{8}$

5) A step-shaped solid is decomposed into three non-overlapping rectangular prisms. The prisms measure 7 meters by 5 meters by 4 meters, 5 meters by 5 meters by 3 meters, and 4 meters by 4 meters by 4 meters. What is the total volume?

- A. 215 cubic meters
 B. 139 cubic meters

- C. 279 cubic meters
 D. 204 cubic meters



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1) Compare without calculating: $72 \div 9 \square 72 \div 8$

A. >

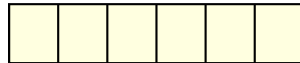
C. =

B. Cannot tell

D. <

2) A landscaper has 6 yards of edging. Each flower bed uses $\frac{1}{4}$ yard of edging. How many flower beds can be edged?

6 yards; each bed uses $\frac{1}{4}$ yd



A. 20 beds

C. 30 beds

B. 36 beds

D. 24 beds

3) Find: $\frac{1}{5} \div 4$.

Record your answer in the space provided.

4) A package weighs 6.846 kg. Round to the nearest hundredth for shipping records.

A. 6.8 kg

C. 6.85 kg

B. 6.84 kg

D. 7 kg



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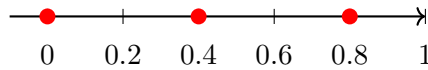
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- 1) On a number line, plot the decimals 0.4 and 0.8. Which is farther from 0?



- A. 0.4
- B. Cannot tell
- C. They are equal distance
- D. 0.8
- 2) How many right angles does a rectangle have?
- A. 0
- B. 2
- C. 3
- D. 4
- 3) Find: 3.6×5 .

Record your answer in the space provided.

- 4) A composite shipping stack is made from two non-overlapping rectangular prisms. Prism A is 6 centimeters long, 2 centimeters wide, and 6 centimeters tall. Prism B is 3 centimeters long, 3 centimeters wide, and 2 centimeters tall. What is the total volume?
- A. 90 cubic centimeters
- B. 72 cubic centimeters
- C. 18 cubic centimeters
- D. 102 cubic centimeters
- 5) Which expression represents “the sum of 7 and the quotient of 20 and 4”?
- A. $7 + 20 \div 4$
- B. $(7 + 20) \div 4$
- C. $20 \div (7 + 4)$
- D. $7 \div 4 + 20$



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- 1) A road sign shows two distances. One road is $\frac{7}{12}$ mile to the village and another is $\frac{1}{4}$ mile to the store. What is the combined distance?

- A. $\frac{8}{16}$ mile
 B. $\frac{9}{12}$ mile
 C. $\frac{10}{16}$ mile
 D. $\frac{5}{6}$ mile

- 2) A seed tray measures 11 feet long, 5 feet wide, and 6 feet tall. What is its volume?

- A. 55 cubic feet
 B. 66 cubic feet
 C. 330 cubic feet
 D. 30 cubic feet

| | |
|----------------|---------------|
| 30×20 | 8×20 |
| 30×4 | 8×4 |

38×24

3)

Use the area model to find 38×24 .

- A. 900
 B. 910
 C. 912
 D. 920
- 4) A package of fabric is 19.75 yards. After cutting a section of 7.48 yards for a project, how much fabric remains?
- A. 12.37 yd
 B. 12.27 yd
 C. 11.87 yd
 D. 12.47 yd
- 5) Estimate $\frac{1}{10} + \frac{5}{6}$ using 0, $\frac{1}{2}$, and 1 benchmarks.

Record your answer in the space provided.



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 C is correct.** **(5.OA.1)** Start inside the parentheses: $2 + 3 = 5$. Then the bracket becomes $10 - 5 = 5$, and $3 \times 5 = 15$.
- 2) **Choice C is correct.** **(5.OA.1)** The flow chart has already handled the parentheses and multiplication. The last box is the final addition: $2 + 12 = 14$.
- 3) **Choice A is correct.** **(5.NBT.7)** Line up decimal points and subtract place by place. $6.75 - 2.43 = 4.32$ cups needed. This confirms the answer.
- 4) **Choice C is correct.** **(5.NF.1)** Simplify: $\frac{2}{8} = \frac{1}{4}$ and $\frac{2}{4}$ stays the same. $\frac{1}{4} + \frac{2}{4} = \frac{3}{4}$.
- 5) **Choice C is correct.** **(5.MD.3)** Work one prism at a time: $7 \times 5 \times 4 = 140$, $5 \times 5 \times 3 = 75$, and $4 \times 4 \times 4 = 64$. Add the non-overlapping volumes: $140 + 75 + 64 = 279$ cubic meters.
- 6) **Choice B is correct.** **(5.NBT.2)** The table shows $205.7 \div 100 = 2.057$. Move decimal 2 places left.
- 7) **Choice C is correct.** **(5.NBT.7)** 0.07 equals 7 hundredths, not 7 tenths. The other choices all equal 0.7.
- 8) **Choice D is correct.** **(5.NF.1)** Add the whole parts first: $2 + 1 = 3$. Then add the fractions: $\frac{1}{3} + \frac{1}{3} + \frac{2}{3} = \frac{4}{3} = 1\frac{1}{3}$. Together, $3 + 1\frac{1}{3} = 4\frac{1}{3}$ cups.
- 9) **Choice C is correct.** **(5.NBT.2)** $0.03 \times 10 = 0.3$. The student's answer, 3, is too large because the decimal should move only one place right.
- 10) **Choice B is correct.** **(5.NBT.6)** $735 \div 15 = 49$. Check: $15 \times 49 = 735$.
- 11) **Choice A is correct.** **(5.G.2)** If y is 10 times x , multiply the x -value by 10. For $x = 3$, $3 \times 10 = 30$, so (3, 30) fits.
- 12) **Choice C is correct.** **(5.MD.5)** Choose the operation from the story, then keep the unit with the answer. Multiply: $48 \times 0.75 = 36.00$ dollars. This confirms the answer.
- 13) **Choice A is correct.** **(5.OA.1)** The first product, 6×4 , shows the cost of the red pens. The second product, 6×3 , shows the cost of the blue pens. Adding them gives the total cost.
- 14) **Choice C is correct.** **(5.NBT.2)** Dividing by a power of 10 shifts the value to a smaller place. $3,000 \div 10 = 300$ napkins per table. This confirms the answer.
- 15) **Choice A is correct.** **(5.G.4)** A triangle with three equal side lengths is equilateral.
- 16) **Choice C is correct.** **(5.NF.5)** From the table: $\frac{1}{3} < 1$ gives $4 < 12$ (shrinks), 1 gives $12 = 12$ (unchanged), and $\frac{5}{4} > 1$ gives $15 > 12$ (grows).
- 17) **Choice D is correct.** **(5.G.2)** Moving 4 units down subtracts 4 from the y -coordinate: $6 - 4 = 2$. The x -coordinate stays the same, so the new coordinates are (4, 2).
- 18) **Choice C is correct.** **(5.NF.7)** $5 \div \frac{1}{4} = 5 \times 4 = 20$. It takes 20 jumps of $\frac{1}{4}$ to reach 5.
- 19) **Choice B is correct.** **(5.MD.1)** 1 kilogram = 1,000 grams. Multiply: $3.2 \times 1000 = 3200$ g.
- 20) **Choice B is correct.** **(5.MD.5)** Use the rectangular-prism volume formula: $9 \times 7 \times 3 = 189$. So the volume is 189 cubic inches.
- 21) **Choices A, B are correct.** **(5.G.4)** Every square is a rectangle, and every rectangle is a parallelogram. Choices C and D reverse or overstate the hierarchy.
- 22) **Choice B is correct.** **(5.NF.2)** Continue the multiples shown: 6, 12, 18, 24, 30, 36; 9, 18, 27, 36; and 4, 8, 12, 16, 20, 24, 28, 32, 36. The first number in all three lists is 36.
- 23) **Choice A is correct.** **(5.MD.5)** Butter needed = $\frac{1}{2} \times \frac{1}{3} = \frac{1}{6}$ cup.
- 24) **The correct answer is 3.** **(5.NF.4)** First simplify $\frac{2}{6}$ to $\frac{1}{3}$. Then $9 \times \frac{1}{3} = \frac{9}{3} = 3$.
- 25) **Choice C is correct.** **(5.MD.5)** $495 = 9 \times 5 \times 11$; $495 = 99 \times 5$. The missing dimension is 5 m.
- 26) **Choice D is correct.** **(5.MD.2)** Total: $(8 \times 2) + (10 \times 3) + (12 \times 3) + (14 \times 2) = 16 + 30 + 36 + 28 = 110$ goals.
- 27) **Choice A is correct.** **(5.G.1)** From (5, 5) to (5, 2), the y -coordinate changes from 5 to 2. The distance is $5 - 2 = 3$ units downward.
- 28) **The correct answer is 720 cm³.** **(5.MD.4)** $12 \times 6 \times 10 = 720$ cm³.
- 29) **Choice A is correct.** **(5.MD.1)** Since 8 fl oz = 1 cup, divide 24 by 8: $24 \div 8 = 3$ cups.
- 30) **Choice C is correct.** **(5.NF.6)** $\frac{3}{8}$ of 16 is $\frac{3}{8} \times 16 = 6$. Malik eats 6 brownie pieces.



Authors' Notes

A Message From Your Math Partner

Hey there, Problem Solver!

◇ Incredible work! You've journeyed through five complete practice tests, and that's no small accomplishment! Each question you tackled strengthened your mathematical thinking. When you began, some problems might have felt overwhelming, but now you've developed the skills to break them down systematically. You've transformed into a confident mathematician who understands that persistence beats perfection every single time! ◇

★ **Here's something mathematicians understand:** mistakes are simply opportunities to learn something new. The greatest problem-solvers in history made countless errors before their breakthroughs. Through these five tests, you've practiced that same growth mindset. You've discovered that every challenging problem teaches you something valuable, and that knowledge stays with you forever! ★

Your Mathematical Growth Journey

- **Problem-Solving Skills:** EXCEPTIONALLY DEVELOPED! You can analyze complex situations with confidence!
- **Strategic Thinking:** SIGNIFICANTLY STRENGTHENED! You recognize patterns and apply effective strategies!
- **Persistence Level:** REMARKABLY HIGH! You've proven you can work through any challenge!
- **Test Readiness:** COMPLETELY PREPARED! You have all the tools you need to succeed!

Remember this: test day is your opportunity to demonstrate everything you've learned! You've completed five comprehensive practice tests that's substantial preparation! You've analyzed problems, applied strategies, and developed mathematical confidence. Now it's time to showcase your abilities! Take a calming breath, trust your preparation, and remember that every skill you've built is ready to support you. You've got this!

I'm genuinely proud of your dedication and effort! If you'd like to share your experiences, ask questions, or simply need encouragement, please email me at reza@testinar.com. I'd be delighted to hear from you!

Reza Nazari & Jay Daie

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