



6

California CAASPP

GRADE 5 MATH

PRACTICE TESTS

Complete Standards-Based Practice
— for Grade 5 Math Success —



$$5^2 = 25$$



6 FULL-LENGTH PRACTICE TESTS
Realistic style questions



STANDARDS-BASED PRACTICE
Covers all Grade 5 Math standards

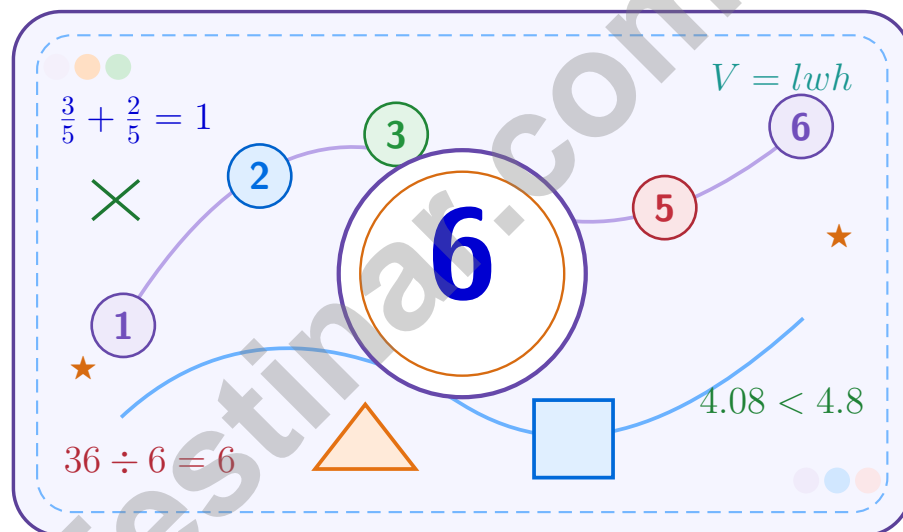


BUILD CONFIDENCE. IMPROVE SCORES.
Target weak areas and achieve success

★ STRONG PRACTICE. BRIGHT FUTURE. ★

6 California CAASPP Grade 5 Math Practice Tests

A six-step confidence climb with clear review, smart strategy, and practice that gets stronger every round



Six full tests, a focused skill booster, and student-friendly support from start to finish for Grade 5 mathematicians who want to climb higher.

Jay Daie and Reza Nazari



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Welcome to the Confidence Climb

This book is here to help you practice with purpose and rise step by step

To the Grade 5 Mathematician

This practice book is a place to think, try, fix, and grow. You do not have to be perfect on the first question or the first test. What matters most is careful effort, clear work, and learning from each round of practice.

Use these six 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 fast.

Try

Give each problem your best thinking.

Check

Study mistakes and learn what happened.

Rise

Bring that lesson into the next round.

A strong habit for every page: 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 Use This Book

A simple practice routine that turns six tests into steady growth

Step 1: Warm Up

Start with the quick review.
Spend a few minutes refreshing the ideas before you start a test.

Step 2: Take the Test

Take one full practice test.
Work in a quiet space and let accuracy matter more than speed.

Step 3: Study the Pattern

Check your work honestly.
Circle missed questions and notice patterns in the mistakes.

Step 4: Learn, Then Retry

Read the explanation and try again.
Learning happens after the test too. Fixing mistakes is one of the smartest parts of practice.

A Six-Week Climb Map

Week	Mission Focus
Week 1	Take Test 1 and review any place-value or operation slips.
Week 2	Take Test 2 and focus on showing neat, easy-to-read work.
Week 3	Take Test 3 and give extra time to fractions or decimals if needed.
Week 4	Take Test 4 and slow down on word problems and units.
Week 5	Take Test 5 and compare your score and habits with earlier rounds.
Week 6	Take Test 6 and finish with calm, careful, confident work that uses everything you practiced before.



Scan me

Test Overview

What this practice book helps students do

These practice tests are designed to help Grade 5 students get comfortable with the kind of thinking used on the California CAASPP. The goal is bigger than only getting answers right. Students are practicing how to read closely, choose a strategy, solve carefully, and explain their work when needed.

Selected-Response Questions

Students solve the problem and choose the best answer. Estimating first and crossing out weak choices can save time and points.

Constructed-Response Questions

Students show their thinking, steps, models, or explanations. Even when unsure, writing what they know can help organize the problem.

Grade 5 Skills You Will Practice Often

- place value, comparing numbers, and rounding
- multi-digit addition, subtraction, multiplication, and division
- fractions, decimals, and mixed numbers
- perimeter, area, volume, and measurement conversions
- coordinate points, patterns, graphs, and tables
- geometry and multi-step word problems

What strong work looks like: the answer is correct, the steps are clear, the labels or units are included, and the final result makes sense.



Table of Contents

★ Practice Test 1	_____	14
★ Practice Test 2	_____	29
★ Practice Test 3	_____	45
★ Practice Test 4	_____	59
★ Practice Test 5	_____	74
★ Practice Test 6	_____	87
Practice Test Answer Keys	_____	101
Practice Test Answers and Explanations	_____	105

Grade 5 Mathematics

1

Questions: 40 Duration: No time limit

Calculator Policy: Calculators are not allowed



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

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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

1 hour (hr) = 60 minutes (min) 1 year = 12 months

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



1) Simplify: $2 \times \frac{3}{8}$

A. $\frac{3}{16}$

B. $\frac{7}{8}$

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

D. $\frac{5}{8}$

2) Which division problem gives a non-whole-number decimal quotient?

A. $4,000 \div 10$

B. $700 \div 10$

C. $8,000 \div 100$

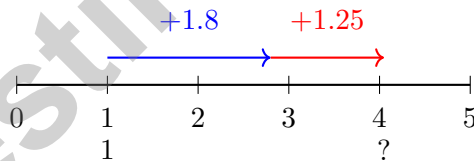
D. $320 \div 100$

3) Without calculating both products, which expression has the larger value?

A: $\frac{2}{3} \times 24$ B: $\frac{4}{5} \times 24$

Record A or B in the space provided.

4) A number line visual for adding decimals:



What is $1 + 1.8 + 1.25$?

A. 4.05

B. 4.15

C. 4.25

D. 5.05



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1) Pattern A has dots 1, 4, 7, 10, ... Pattern B has dots 2, 8, 14, 20, ... Which statement describes the relationship between matching figures?

- A. Pattern B has 1 more dot than Pattern A. C. Pattern B has 3 fewer dots than Pattern A.
- B. Pattern B has twice as many dots as Pattern A. D. Pattern B has the same number of dots as Pattern A.

2) A composite storage display is made from two non-overlapping rectangular prisms. Prism A is 4 centimeters long, 2 centimeters wide, and 3 centimeters tall. Prism B is 3 centimeters long, 3 centimeters wide, and 5 centimeters tall. What is the total volume?

- A. 69 cubic centimeters C. 45 cubic centimeters
- B. 24 cubic centimeters D. 77 cubic centimeters

3) If you multiply 12 by 10^3 , what digit moves to the thousands place?

- A. 1 C. 0
- B. 2 D. 5

4) Find the product: 400×600 .

Record your answer in the space provided.

5) Compare: 10×50 20×25

- A. > C. =
- B. < D. Cannot tell



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1) An error was made in this pattern. Find it.

Points plotted: (1, 4), (2, 8), (3, 11), (4, 16)

- A. (3, 11) should be (3, 12) C. (4, 16) should be (4, 15)
 B. (2, 8) is correct D. (1, 4) should be (1, 5)

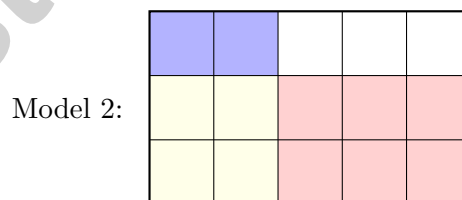
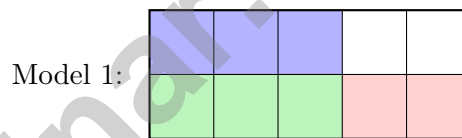
2) What is 30×20 ? Use the zeros pattern to help.

- A. 60 C. 6,000
 B. 600 D. 60,000

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

- A. 4 C. 6
 B. 5 D. 7

4) Which product is greater: $\frac{3}{5} \times \frac{1}{2}$ or $\frac{2}{5} \times \frac{2}{3}$?



- A. Model 1 is greater C. They are equal
 B. Model 2 is greater D. Cannot be determined



Grade 5 Mathematics Reference Materials

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1) Evaluate: $24 - 2 \times (3 + 5)$

A. 8

C. 26

B. 16

D. 44

2) A farmer divides land: $\frac{1}{3}$ for corn and $\frac{2}{5}$ for wheat. To compare, what common denominator should he use?

A. 8

C. 10

B. 6

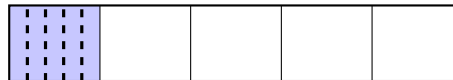
D. 15

3) Find the difference: $\frac{7}{10} - \frac{1}{2}$.

Record your answer in the space provided.

4) The model shows $\frac{1}{5}$ of a whole split into 5 equal parts. What fraction of the whole is each small part?

$\frac{1}{5}$ split into 5



1 whole split into 5 equal parts

A. $\frac{1}{5}$

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

B. $\frac{1}{10}$

D. $\frac{1}{25}$



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.NF.4) Two groups of $\frac{3}{8}$ give $\frac{6}{8}$. Since both 6 and 8 can be divided by 2, $\frac{6}{8} = \frac{3}{4}$.
- 2) **Choice D is correct.** (5.NBT.2) A: 400 (whole number); B: 70 (whole number); C: 80 (whole number); D: 3.2 (non-whole-number decimal).
- 3) **Choice B is correct.** (5.NF.5) Both expressions multiply 24 by a fraction. Since $\frac{4}{5} > \frac{2}{3}$, $\frac{4}{5} \times 24$ has the larger value.
- 4) **Choice A is correct.** (5.NBT.7) Add: $1 + 1.8 = 2.8$; then $2.8 + 1.25 = 4.05$ (hundredths: $0 + 5 = 5$; tenths: $8 + 2 = 10$, regroup; ones: $2 + 1 + 1 = 4$).
- 5) **Choice A is correct.** (5.NBT.7) Line up decimal points and subtract place by place. $18.50 - 6.75 = 11.75$ dollars. This confirms the answer.
- 6) **Choice D is correct.** (5.NBT.4) The tenths digit is 7. Since $7 \geq 5$, round ones up: $92 \rightarrow 93$. The test score rounds to 93.
- 7) **Choice A is correct.** (5.NF.5) Multiplying by 1 keeps the value the same. Multiplying by $\frac{3}{4}$ (less than 1) makes it smaller: $6 \times \frac{3}{4} = 4\frac{1}{2} < 6$.
- 8) **Choice D is correct.** (5.NF.4) Two groups of $2\frac{1}{3}$ are $2\frac{1}{3} + 2\frac{1}{3} = 4\frac{2}{3}$. The student's answer $4\frac{1}{3}$ shows they doubled the whole number 2 to 4 but left the $\frac{1}{3}$ unchanged.
- 9) **Choice A is correct.** (5.NF.2) LCD = 18. $\frac{4}{9} = \frac{8}{18}$; $\frac{1}{6} = \frac{3}{18}$. $\frac{8}{18} - \frac{3}{18} = \frac{5}{18}$.
- 10) **Choice B is correct.** (5.MD.5) The base layer has $8 \times 4 = 32$ square units. Divide the volume by the base area: $128 \div 32 = 4$, so the height is 4 inches.
- 11) **The correct answer is 0.9.** (5.NBT.7) Compare the tenths first: 0.9 has 9 tenths, 0.84 has 8 tenths, and 0.76 has 7 tenths. The greatest is 0.9.
- 12) **Choice B is correct.** (5.NF.2) $3\frac{2}{7} \approx 3$ and $1\frac{1}{8} \approx 1$. So $3\frac{2}{7} + 1\frac{1}{8} \approx 3 + 1 = 4$.
- 13) **Choice C is correct.** (5.MD.1) Convert 1.2 L to mL: $1.2 \times 1000 = 1200$ mL. Both containers hold 1,200 mL.
- 14) **Choice A is correct.** (5.NBT.1) In 1.254, the hundredths digit is 5, so the missing term is 0.05 (or $\frac{5}{100}$).
- 15) **Choice D is correct.** (5.NBT.2) $0.6 \times 100 = 60$ (move decimal 2 places right).
- 16) **Choice D is correct.** (5.MD.3) $V = l \times w \times h = 6 \times 4 \times 2 = 48$ cubic centimeters.
- 17) **The correct answer is 64 in^3 .** (5.MD.4) For a cube, multiply the side length by itself three times: $4 \times 4 \times 4 = 64 \text{ in}^3$.
- 18) **Choices A, B are correct.** (5.G.1) A and B each have two coordinates greater than 0. Choices C and D each include 0, so they do not match the prompt.
- 19) **Choice B is correct.** (5.NF.6) Each foot has 3 one-third-foot pieces. $9 \div \frac{1}{3} = 9 \times 3 = 27$ boards.
- 20) **Choice A is correct.** (5.NBT.5) $36 \times 15 = 36 \times (10 + 5) = 360 + 180 = 540$. Marcus's answer is correct.
- 21) **Choice C is correct.** (5.MD.4) Volume = $18 \times 12 \times 10 = 216 \times 10 = 2160 \text{ in}^3$.
- 22) **Choice C is correct.** (5.NBT.3) 4.05 has a 0 in the tenths place and a 5 in the hundredths place, so it reads as "four and five hundredths".
- 23) **Choice C is correct.** (5.G.3) Both shapes have 4 right angles, 2 pairs of parallel sides, and opposite sides parallel. But a rectangle does NOT require all sides to be congruent; only a square does.
- 24) **Choice D is correct.** (5.NF.7) $12 \div \frac{1}{2} = 12 \times 2 = 24$.
- 25) **Choice C is correct.** (5.G.2) Time in hours is on the x-axis, so the x-coordinate (6) represents 6 hours. The temperature was 72 degrees at 6 hours.
- 26) **Choice D is correct.** (5.NF.1) $10\frac{3}{8} - 7\frac{5}{8}$: borrow 1 to get $9\frac{11}{8} - 7\frac{5}{8} = 2\frac{6}{8} = 2\frac{3}{4}$ cups.
- 27) **Choice B is correct.** (5.MD.5) Subtract both discounts from the original price: $35.99 - 5.00 = 30.99$, then $30.99 - 3.60 = 27.39$. The final price is \$27.39.
- 28) **Choice D is correct.** (5.G.2) From (3, 9), add 1 to x and 2 to y : the next point is $(3+1, 9+2) = (4, 11)$.
- 29) **The correct answer is 3.** (5.OA.3) For nonzero terms, $9 \div 3 = 3$, $18 \div 6 = 3$, and so on.
- 30) **Choice C is correct.** (5.MD.1) The meeting time is 1 hour 20 minutes + 15 minutes + 30 minutes = 2 hours 5 minutes. 9:15 AM plus 2:05 is 11:20 AM.



Flight Log Entry

Hello, Ace Pilot!

★ Flight certification complete! You've successfully piloted through six complete training missions, navigating mathematical turbulence and landing solutions with expert precision like a certified pilot! Each test was a flight through different conditions, and you demonstrated excellent navigation skills, situational awareness, and steady control throughout. You're cleared for your important test day flight!

★

◇ **Here's what experienced pilots understand:** they complete hundreds of hours of flight training before flying solo. They practice procedures until they become automatic responses. You've logged those training hours through these six tests! Your mathematical flight skills have become so developed that you'll navigate test day smoothly and confidently! ◇

Pre-Flight Clearance Report

- **Navigation Systems:** All problem-solving instruments calibrated and functioning!
- **Weather Assessment:** You can handle any mathematical conditions that arise!
- **Emergency Procedures:** You know how to respond when encountering difficult questions!
- **Flight Approved:** Tower clears you for test day takeoff!

Remember this aviation principle: pilots stay calm because they trust their training. When you encounter turbulence on test day, remember your six training missions. You've already experienced challenging questions and navigated successfully through them. Use your instruments (strategies), trust your training, and fly confidently toward your destination!

Want to share flight logs or discuss interesting mathematical air traffic patterns? Send transmissions to reza@testinar.com. Your control tower is listening!

Reza Nazari & Jay Daie

Your Math Coaches for Building Stamina

6 FULL-LENGTH TESTS. ENDLESS POTENTIAL.

PRACTICE TODAY. SUCCEED TOMORROW.

Give your child the tools they need to build strong math skills and test-taking confidence! This book includes **6 full-length practice tests** along with standards-based practice, mixed review, word problems, and a complete answer key.

★★★
PRACTICE
WITH PURPOSE.
ACHIEVE WITH
CONFIDENCE.

WHAT'S INSIDE:



6 FULL-LENGTH PRACTICE TESTS

Realistic tests designed to reflect the actual test format and help build confidence.



STANDARDS-BASED PRACTICE

Covers all essential Grade 5 math standards with clear explanations and examples.



MIXED REVIEW

Reinforces key concepts with a variety of question types and review exercises.



WORD PROBLEMS

Build critical thinking and problem-solving skills with real-world scenarios.



COMPLETE ANSWER KEY

Step-by-step explanations for every question to support learning and growth.



IMPROVE. PRACTICE. ACHIEVE.

Consistent practice leads to stronger skills, higher scores, and greater success.



WHY PRACTICE MAKES A DIFFERENCE



BUILD CONFIDENCE

Feel prepared and ready for any challenge.



IMPROVE ACCURACY

Strengthen skills and reduce careless mistakes.



THINK STRATEGICALLY

Develop problem-solving skills and deepen understanding.



MANAGE TIME

Practice under timed conditions to build stamina.



STAY MOTIVATED

Track progress and celebrate every win.



ACHIEVE SUCCESS

Reach goals and unlock your full potential!



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Smart Practice. Stronger Results.