

$\frac{2}{3}$

0,25



%

FULL-LENGTH

Georgia

★★★★★
Aligned to State Standards

Milestones

MATH

Grade

5

$\frac{2}{4}$

$7 \times 8 =$



7×8

$56 \div 7$

$(a+b)^2$

PRACTICE TESTS

Complete State Standards Review
with Answer Key and
Essential Math Skills Practice



3 Full-Length Practice Tests
Aligned to State Standards



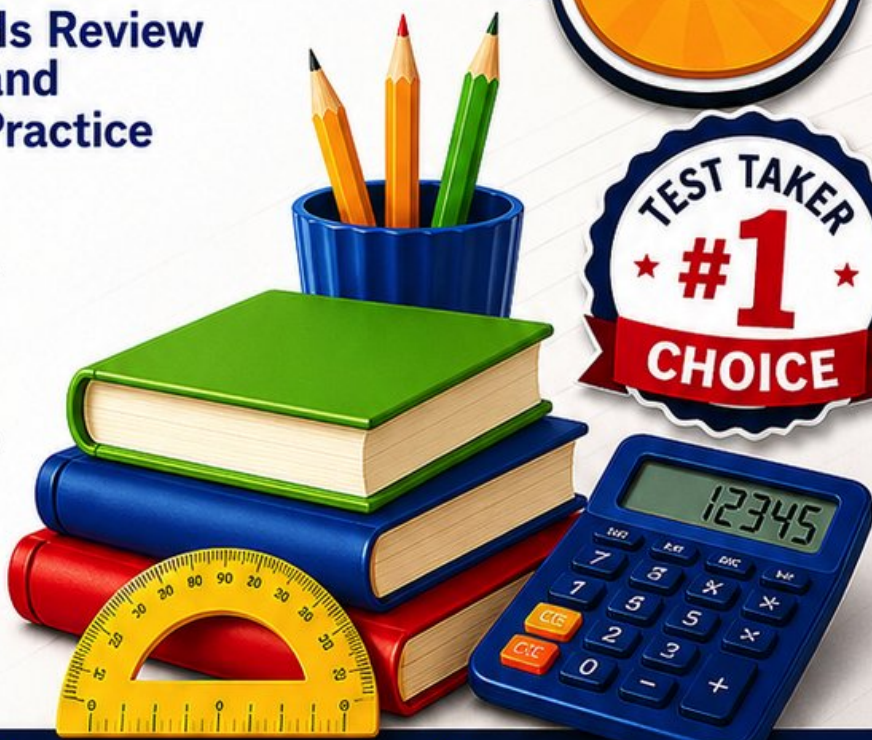
Covers All Grade 5 Math Topics
Numbers & Operations, Fractions,
Decimals, Geometry, Measurement,
Data & Problem Solving



Build Confidence
Strengthen Skills • Improve Accuracy
• Boost Test Readiness



Detailed Answer Key
Step-by-Step Explanations
for All Questions



WRITTEN FOR
GRADE 5 STUDENTS



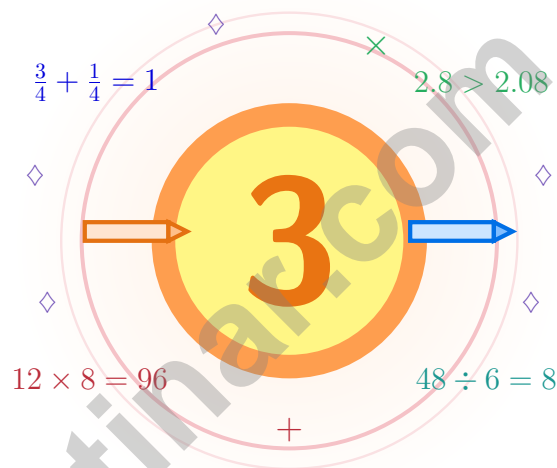
PERFECT FOR
TEST PREP & REVIEW



CLASSROOM, HOME,
OR SELF-STUDY USE

3 Georgia Milestones Grade 5 Math Practice Tests

Steady practice as sweet as a Georgia peach



Three full tests, a friendly quick review, smart strategy pages, and student-tested support that help Grade 5 mathematicians from The Peach State walk in ready to think.

Jay Daie and Reza Nazari



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Welcome Aboard, Georgia Math Crew

Steady practice as sweet as a Georgia peach

Just for Georgia Grade 5 Thinkers

Math grows like a peach: it needs sun, water, time, and the patience to ripen one careful day at a time.

Some questions will feel easy from the very first read. Others will ask you to pause, sketch, estimate, or try again. That is not a problem. That is practice doing exactly what it should do. Every honest attempt grows your math brain a little stronger.

Read

Read every word twice
and underline what is
being asked.

Solve

Choose the cleanest
method and show your
steps.

Reflect

Look back to find what
worked and what to fix.

A Georgia promise to yourself: I will let practice ripen my thinking the way a peach ripens on the branch – one steady day after another.

Your Step-by-Step Plan

A simple game plan that turns practice into real progress

Step 1: Warm Up

Start with the quick review pages.
Wake up the big Grade 5 ideas before the test starts so your brain is already warmed up.

Step 2: Run

Take one full test in a calm, quiet place.
Find a calm corner, settle in, and aim for careful, honest choices before quick ones.

Step 3: Review

Score your work and circle missed questions.
Circle missed questions, sort out what went sideways, and notice which skills are calling for more attention.

Step 4: Repeat

Rework the missed questions before the next test.
Read the explanation, fix the work, and carry that lesson forward into the next test.

A Three-Week Climb

Week 1	Open with Test 1 and treat it like a snapshot, not a final grade.
Week 2	Use Test 2 to attack the skills that surprised you in Test 1.
Week 3	Bring Test 3 home with calm pacing and careful checking.



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Practice Test Preview

What these practice tests help Grade 5 students build

These three practice tests prepare Grade 5 students in Georgia for the Georgia Milestones the way a peach orchard prepares for harvest – with patient daily work. The goal is bigger than getting answers right. Students are practicing how to read with care, choose a strategy, solve step by step, and explain their reasoning clearly – the same way mathematicians do every single day.

Selected-Response Questions

Students solve the problem and choose the best answer. Estimating first, ruling out weak choices, and checking for reasonableness can save both time and points.

Constructed-Response Questions

Students show their steps, explain a method, or back up an answer with clear math. Clean reasoning matters because it shows how the answer was actually found.

Grade 5 Ideas That Show Up Again and Again

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

What strong work looks like on the Milestones: the math is correct, the steps are readable, the labels and units match the problem, and the final answer truly answers the question being asked.



Table of Contents

★ Practice Test 1	_____	17
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★ Practice Test 3	_____	45
Practice Test Answer Keys	_____	60
Practice Test Answers and Explanations	_____	63

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)

Metric

1 kilogram (kg) = 1,000 grams (g)

1 gram (g) = 1,000 milligrams (mg)

TIME

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

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

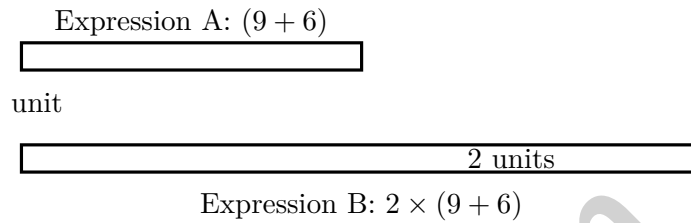
1 day = 24 hours (hr) 1 year = 52 weeks



4) What is 43×6 ?

- A. 248 C. 268
 B. 278 D. 258

5) Two tape diagrams show expressions side-by-side. Which comparison is correct?

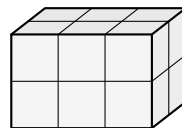


- A. A is 2 more than B C. A equals B
 B. A is 2 times B D. B is twice A

6) A water bottle holds $\frac{1}{3}$ liter. 3 friends share it equally. How much does each get?

Record your answer in the space provided.

7) Count the unit cubes layer by layer. The first layer has 6 cubes, the second layer has 6 cubes. How many unit cubes are there in total?



- A. 6 unit cubes C. 10 unit cubes
 B. 12 unit cubes D. 15 unit cubes



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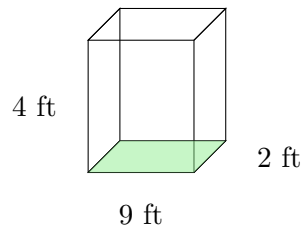
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1)

Find the volume.

A. 18 ft^3

B. 36 ft^3

C. 72 ft^3

D. 15 ft^3

2) 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

3) A group of 6 friends shares the total cost of a \$42 gift and a \$3 card. Which expression gives each friend's share?

A. $(42 + 3) \div 6$

B. $42 \div 6 + 3$

C. $(42 - 3) \div 6$

D. $42 + 3 \div 6$

4) A recipe calls for 0.25 cups of sugar. Is 0.250 cups equivalent?

 A. No, they cannot be compared B. No, $0.25 < 0.250$ C. No, $0.25 > 0.250$ D. Yes, they are equivalent5) A recipe uses $\frac{3}{4}$ cup of oats for one batch. How many cups are needed for 6 batches?

A. $4\frac{1}{2}$ cups

B. $3\frac{3}{4}$ cups

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

D. $\frac{9}{4}$ cups



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1) A right triangle has angles of 90 degrees, 60 degrees, and 30 degrees. Can it be isosceles?

- A. Yes, all right triangles are isosceles C. Yes, because it is a right triangle
 B. Cannot be determined D. No, because it has no equal angles

2) What is the y-coordinate of (8, 0)?

Record your answer in the space provided.

3) A swimming pool is 25 m long, 10 m wide, 2 m deep. Find its volume.

Record your answer in the space provided.

4) A pizza is cut into 8 slices. You eat $\frac{3}{8}$ of the pizza. How many slices do you eat?

- A. 1 slice C. 4 slices
 B. 2 slices D. 3 slices



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.PAR.6.2) Third pair: X-value is 5 (position 3 in 1, 3, 5, 7), Y-value is 6 (position 3 in 2, 4, 6, 8).
- 2) **Choice B is correct.** (5.NR.3.3) Multiply numerator and denominator by 4: $\frac{3 \times 4}{4 \times 4} = \frac{12}{16}$.
- 3) **Choice D is correct.** (5.NR.5.1) Add the donations: $284.75 + 156.50 + 320.25 = 761.50$. Then subtract the cost of the books: $761.50 - 450.00 = 311.50$.
- 4) **Choice D is correct.** (5.NR.2.1) Multiply: $43 \times 6 = (40 \times 6) + (3 \times 6) = 240 + 18 = 258$.
- 5) **Choice D is correct.** (5.NR.5.1) The tape diagram shows A as one unit. B is made of two of those same units, so B is twice A.
- 6) **The correct answer is $\frac{1}{9}$.** (5.NR.3.6) $\frac{1}{3} \div 3 = \frac{1}{9}$ liter. Sharing one-third liter fairly among 3 friends gives each friend one-ninth liter.
- 7) **Choice B is correct.** (5.GSR.8.3) If there are 2 layers with 6 cubes each: $6 + 6 = 12$ or $6 \times 2 = 12$ unit cubes.
- 8) **Choice B is correct.** (5.NR.4.1) "Five and six hundredths" is written as 5.06 in decimal form (5 wholes, 0 tenths, 6 hundredths).
- 9) **Choice D is correct.** (5.NR.1.2) $8.5 \times 10^3 = 8.5 \times 1000 = 8500$, so the missing number is 8.5.
- 10) **Choice C is correct.** (5.NR.3.3) $\frac{2}{9} + \frac{4}{9} = \frac{6}{9} = \frac{2}{3}$ of the wall is painted.
- 11) **The correct answer is 6 ft.** (5.GSR.8.3) The base area is $7 \times 5 = 35$ square feet. Since $210 \div 35 = 6$, the height is 6 ft.
- 12) **Choice B is correct.** (5.GSR.8.2) A rectangle has 4 sides and 4 right angles, so it has both properties.
- 13) **The correct answer is $\frac{7}{10}$.** (5.NR.3.3) Rewrite $\frac{2}{5} = \frac{4}{10}$. Then $\frac{4}{10} + \frac{3}{10} = \frac{7}{10}$.
- 14) **Choice C is correct.** (5.NR.4.4) 0.3×0.7 : Multiply $3 \times 7 = 21$. Both factors have 1 decimal place each, so total is $1 + 1 = 2$ places: 0.21, not 2.1.
- 15) **Choice A is correct.** (5.PAR.6.2) Choice A has vertices forming a rectangle: opposite sides are parallel and equal, and all angles are right angles. The width is $3 - 1 = 2$ units and the height is $5 - 1 = 4$ units.
- 16) **Choice C is correct.** (5.NR.5.1) The expression 5×12 can be regrouped as $5 \times (2 \times 6)$, which is $(5 \times 2) \times 6 = 10 \times 6$. That is the same as 6×10 .
- 17) **Choice B is correct.** (5.NR.1.2) 10 times greater means $85 \times 10 = 850$. Append one zero.
- 18) **Choice B is correct.** (5.GSR.8.3) Find each part first: Prism A is $9 \times 4 \times 4 = 144$ cubic inches, and Prism B is $6 \times 4 \times 4 = 96$ cubic inches. Because the parts do not overlap, add them: $144 + 96 = 240$ cubic inches.
- 19) **Choice C is correct.** (5.GSR.8.3) One box: $7 \times 6 \times 4 = 168$ cubic inches. Three boxes: $168 \times 3 = 504$ cubic inches.
- 20) **Choices A, C are correct.** (5.NR.2.2) $576 \div 24 = 24$ and $720 \div 30 = 24$. The other quotients are $960 \div 48 = 20$ and $1,050 \div 50 = 21$.
- 21) **Choice C is correct.** (5.NR.1.2) Multiplying by 1,000 means multiplying by 10^3 , so the decimal moves three places right. That makes statement C true.
- 22) **Choice B is correct.** (5.NR.3.4) $\frac{4}{7} \times \frac{7}{12} = \frac{28}{84}$, which simplifies to $\frac{1}{3}$ meter.
- 23) **Choice C is correct.** (5.NR.5.1) Parentheses tell you where to begin: $6 + 4 = 10$. Then $10 \times 3 = 30$, and $30 - 5 = 25$.
- 24) **Choice A is correct.** (5.NR.3.5) Both expressions multiply 16 by a fraction with denominator 4. Since $\frac{5}{4} > \frac{3}{4}$, $\frac{5}{4} \times 16$ has the larger value.
- 25) **Choice B is correct.** (5.PAR.6.2) Both points have the same y-coordinate (7), which means they are on a horizontal line at height 7.
- 26) **Choice B is correct.** (5.NR.3.3) LCD = 12. $\frac{3}{4} = \frac{9}{12}$; $\frac{1}{6} = \frac{2}{12}$. $\frac{9}{12} - \frac{2}{12} = \frac{7}{12}$.
- 27) **Choice D is correct.** (5.NR.1.2) $10^2 = 100$. Dividing by 100 moves the decimal point two places to the left: $12,000 \div 100 = 120$.
- 28) **Choice D is correct.** (5.NR.4.4) Hundredths: $5 + 7 = 12$ (regroup 1 tenth); tenths: $6 + 4 + 1 = 11$ (regroup 1 one); ones: $3 + 2 + 1 = 6$. Sum is 6.12.
- 29) **Choice D is correct.** (5.NR.3.6) The model counts half-size pieces in 4 wholes. So the matching equation is $4 \div \frac{1}{2} = n$.



Trail Guide's Final Briefing

Brave Trail-Walker,

◇ You've walked all 3 miles of the practice trail. You've seen smooth paths, steep climbs, narrow passes, and clearings. Every step taught you something about yourself and your math skills. ◇

★ **What trail guides know:** the most important thing is to keep moving. Slow steps still get you where you need to go. You've practiced that exact pace, and now your stride is steady. ★

Trail Survey Report

- **Route Knowledge:** STRONG! You recognize different types of math problems.
- **Pacing:** STEADY! You don't rush, and you don't drag.
- **Pack Loaded:** READY! You have all the strategies you need.
- **Trail Confidence:** HIGH! You trust your training.

Guide's tip: on test day, stay on the trail you've walked before. Use the strategies you've practiced. Trust the route you know. The summit is just one steady walk away.

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

Reza Nazari & Jay Daie

Your Math Trail Guide (Keep Walking)

Build Skills. Boost Confidence. Excel on the Grade 5 Math Test.

Help your child succeed with confidence! This book includes **3 full-length Grade 5 Math practice tests** aligned to state standards. With a focus on essential skills, problem solving, and test readiness, it's the perfect resource for classroom, home, or on-the-go practice.



WHAT'S INSIDE:



3 Full-Length Grade 5 Math Practice Tests

Realistic test format to build familiarity and confidence.



Covers All Essential Math Topics

Fractions, decimals, geometry, measurement, data, number operations, and more.



Build Strong Math Skills

Strengthen understanding and problem-solving through varied question types.



Detailed Answer Key

Step-by-step explanations to help your child learn from mistakes and improve.



Track Progress & Improve

Use score trackers to identify strengths and focus on areas that need more practice.



The Smarter Way to Prepare!

Consistent practice builds stronger skills, sharper thinking, and test-day success.

- ✓ Reinforce classroom learning
- ✓ Improve accuracy and speed
- ✓ Reduce test anxiety
- ✓ Achieve your best score!



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