

4

COMPLETE

Georgia Milestones

Grade **MATH**

PRACTICE TESTS

5

Standards-Based Test Prep with
Mixed Review, Word Problems,
and **Full Answer Key**



- ✓ **4 COMPLETE PRACTICE TESTS**
Built to reflect the test format and rigor



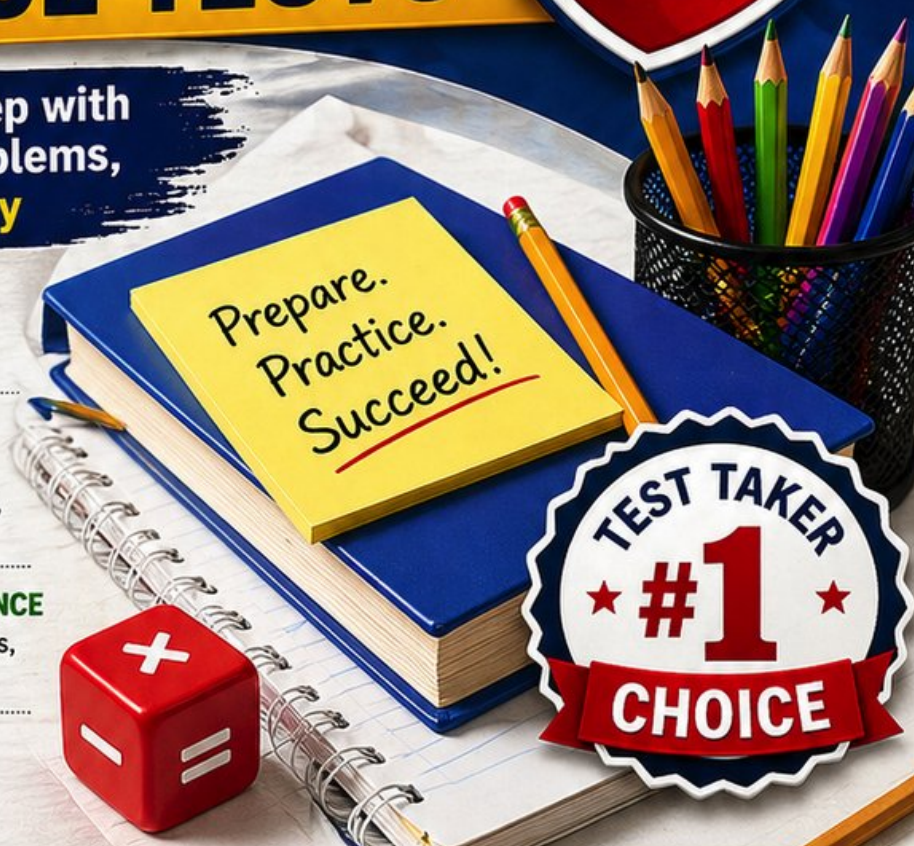
- ✓ **COVERS ALL ESSENTIAL TOPICS**
Numbers & Operations, Fractions, Decimals, Geometry, Measurement, Data & Probability, and more



- ✓ **STRENGTHEN SKILLS & CONFIDENCE**
Mixed review, challenging questions, and strategic practice



- ✓ **FULL ANSWER KEY INCLUDED**
Detailed explanations for every question



**BUILD STRONG
MATH SKILLS
& TEST READINESS**



**IMPROVE ACCURACY,
SPEED, AND
PROBLEM SOLVING**



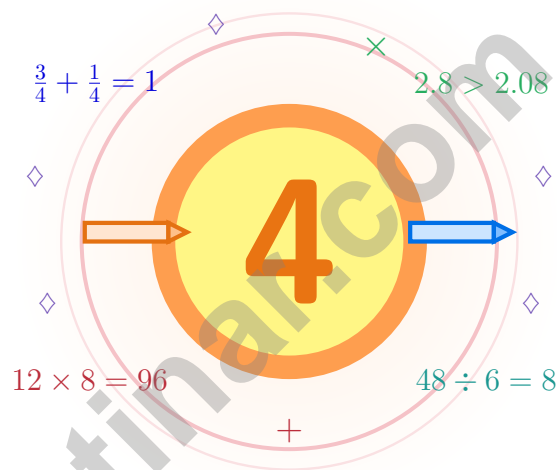
**PERFECT FOR
CLASSROOM,
HOME, OR
SELF-STUDY**



**ALIGNED TO
GEORGIA
STATE STANDARDS
(MILESTONES)**

4 Georgia Milestones Grade 5 Math Practice Tests

A four-test journey for Georgia Grade 5 thinkers



Four full tests, a smart quick review, mission-style strategy pages, and student-tested support that help Grade 5 mathematicians from The Peach State build calm, careful, confident habits.

Jay Daie and Reza Nazari



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Georgia, Your Four-Test Math Journey Begins

Four steady test-day rehearsals, woven into one strong routine

For Every Curious Mind in Georgia

This book gives you four chances to read closely, solve carefully, and level up your math thinking. Math grows like a peach: it needs sun, water, time, and the patience to ripen one careful day at a time.

You do not need to feel perfect before you begin. You just need to stay curious, use strategies, and learn from every correction. That is how confident mathematicians are built.

Read

Read every word and circle key numbers.

Solve

Solve cleanly so your work tells a story.

Reflect

Reflect on what worked and what wobbled.

A strong mission habit for Georgia: keep your work neat, estimate when it helps, label units carefully, and never let one hard question decide your mood for the whole page.

Four Tests, Four Lessons

A four-step routine that turns practice into real improvement

Step 1: Notice

Notice the structure: warm-up, test, review, repair.

Wake up the big Grade 5 ideas before the test starts so your brain is already warmed up.

Step 2: Practice

Practice one full test in quiet conditions.

Find a calm corner, settle in, and aim for careful, honest choices before quick ones.

Step 3: Honest Check

Check honestly without rushing.

Circle missed questions, sort out what went sideways, and notice which skills are calling for attention.

Step 4: Polish

Polish the rough spots before test number two.

Read the explanation, fix the work, and carry that lesson into the very next test.

A Four-Week Georgia Mission Map

Week	Mission Focus
Week 1	Take Test 1 like a porch-shade afternoon – slow, attentive, unhurried.
Week 2	Take Test 2 and lift word problems, visual models, and clear writing.
Week 3	Take Test 3 to polish fractions, decimals, and unit conversions.
Week 4	Take Test 4 and bring calm pace, neat work, and confident final checking.



Scan me

What These Four Tests Build

What these four 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 collecting right answers. Students are practicing how to read carefully, choose a strategy, solve step by step, and explain their reasoning clearly – the same way mathematicians do every day.

Selected-Response Questions

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

Constructed-Response Questions

Students show steps, explain a method, or support an answer with clear math. Strong reasoning matters because it shows how the answer was 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
- tables, line plots, patterns, and coordinate points
- geometry and multi-step real-world problem solving

What strong Milestones-style work looks like: accurate math, readable steps, the right labels or units, and a final answer that really matches the question being asked.



Table of Contents

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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)

Metric

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TIME

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

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1) Rewrite the fractions $\frac{1}{6}$, $\frac{1}{4}$, and $\frac{1}{3}$ with a common denominator.

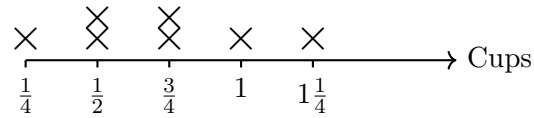
A. $\frac{2}{12}, \frac{3}{12}, \frac{4}{12}$

C. $\frac{3}{12}, \frac{3}{12}, \frac{4}{12}$

B. $\frac{1}{12}, \frac{2}{12}, \frac{3}{12}$

D. $\frac{2}{12}, \frac{4}{12}, \frac{5}{12}$

2) The line plot shows flour amounts, in cups, used in recipes:



What is the total amount of flour shown?

A. $3\frac{1}{2}$ cups

C. 5 cups

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

D. $5\frac{1}{2}$ cups

3) Pattern Epsilon is 1, 3, 5, 7. Pattern Zeta is 4, 12, 20, 28. Which statement describes how each Zeta value is related to the matching Epsilon value?

A. Multiply Epsilon by 8.

D. Multiply Epsilon by 8, then subtract 4.

B. Multiply Epsilon by 4.

C. Add 3 to Epsilon.

4) A piece of wire is 0.85 meter long. If it is cut into 10 equal pieces, how long is each piece?

A. 8.50 m

C. 0.008 m

B. 0.085 m

D. 8.5 m

5) How many grams are in 3.2 kilograms?

A. 320 g

C. 32,000 g

B. 3,200 g

D. 320,000 g



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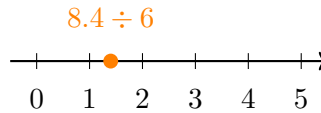
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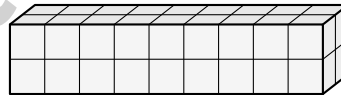
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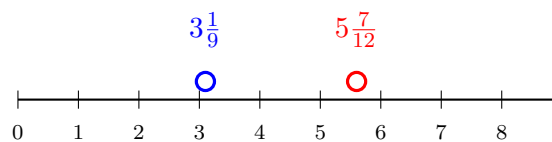
- 1) A number line shows where a quotient lands. If 8.4 is divided by 6, between which numbers does it fall?



- | | |
|---|---|
| <input type="checkbox"/> A. Between 0 and 1 | <input type="checkbox"/> C. Between 2 and 3 |
| <input type="checkbox"/> B. Between 3 and 4 | <input type="checkbox"/> D. Between 1 and 2 |
- 2) Express 9×1000 using exponent notation.
- | | |
|---|---|
| <input type="checkbox"/> A. 9×10^1 | <input type="checkbox"/> C. 9×10^3 |
| <input type="checkbox"/> B. 9×10^2 | <input type="checkbox"/> D. 9×10^4 |
- 3) Multiply: $1\frac{1}{6} \times 2$
- | | |
|--|--|
| <input type="checkbox"/> A. $2\frac{1}{3}$ | <input type="checkbox"/> C. $3\frac{1}{3}$ |
| <input type="checkbox"/> B. $2\frac{1}{6}$ | <input type="checkbox"/> D. $1\frac{1}{3}$ |
- 4) How many unit cubes fit in a rectangular prism that is 9 units long, 2 units wide, and 2 units tall?



- | | |
|---|---|
| <input type="checkbox"/> A. 45 unit cubes | <input type="checkbox"/> C. 18 unit cubes |
| <input type="checkbox"/> B. 27 unit cubes | <input type="checkbox"/> D. 36 unit cubes |
- 5) Estimate: $5\frac{7}{12} + 3\frac{1}{9}$.



- | | |
|-------------------------------|--------------------------------|
| <input type="checkbox"/> A. 7 | <input type="checkbox"/> C. 9 |
| <input type="checkbox"/> B. 8 | <input type="checkbox"/> D. 10 |



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- 1) Write 93×1000 using an exponent. Which is equivalent?
- A. 93×10^1 C. 93×10^3
 B. 93×10^2 D. 93×10^4
- 2) Estimate: $4\frac{1}{10} - 1\frac{7}{8}$.
- A. 1 C. 3
 B. 2 D. 4
- 3) A 4-foot ribbon is cut into pieces that are each $\frac{1}{3}$ foot long. How many pieces can be cut?
- A. 6 pieces C. 18 pieces
 B. 9 pieces D. 12 pieces
- 4) A student wrote $(6 \times 4) + (6 \times 3)$ to model buying 4 red pens and 3 blue pens at \$6 each. What does the expression show?
- A. Sum of costs for red and blue pens
 B. Difference in cost between red and blue pens
 C. Cost of 7 red pens
 D. Cost of 4 pens total
- 5) Pattern: 2, 5, 11, 23, ... Next?
- A. 45 C. 43
 B. 48 D. 47
- 6) A fruit stand sells apples at \$0.85 per pound. If a customer buys 6.5 pounds, what is the cost to the nearest cent?
- A. \$5.25 C. \$5.53
 B. \$5.50 D. \$6.00



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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.

Testinar.com



Practice Test Answers and Explanations

Practice Test 1 Answers and Explanations

- Choice A is correct.** **(5.NR.3.3)** LCD of 6, 4, and 3 is 12. $\frac{1}{6} = \frac{2}{12}$, $\frac{1}{4} = \frac{3}{12}$, $\frac{1}{3} = \frac{4}{12}$.
- Choice C is correct.** **(5.NR.3.3)** Add the amounts shown: $\frac{1}{4} + 2(\frac{1}{2}) + 2(\frac{3}{4}) + 1 + 1\frac{1}{4} = 5$ cups.
- Choice B is correct.** **(5.PAR.6.1)** Check the matching terms: $1 \times 4 = 4$, $3 \times 4 = 12$, $5 \times 4 = 20$, and $7 \times 4 = 28$.
- Choice B is correct.** **(5.NR.1.2)** Dividing 0.85 meter into 10 equal pieces gives $0.85 \div 10 = 0.085$ meter for each piece.
- Choice B is correct.** **(5.MDR.7.4)** 1 kilogram = 1,000 grams. Multiply: $3.2 \times 1000 = 3200$ g.
- Choice C is correct.** **(5.NR.1.2)** $4.5 \times 100 = 450$ (move decimal 2 places right).
- Choice A is correct.** **(5.GSR.8.2)** Figures with 4 equal sides include the rhombuses that are not squares and the squares: $4 + 3 = 7$.
- Choice B is correct.** **(5.NR.5.1)** Multiplication inside the parentheses comes first: $3 \times 4 = 12$. Then $10 + 12 = 22$, and $22 - 2 = 20$, so Bella has the correct answer.
- Choice A is correct.** **(5.NR.3.6)** Each mile has 6 sixth-mile sections. So $3 \div \frac{1}{6} = 3 \times 6 = 18$ sections.
- Choice D is correct.** **(5.NR.3.6)** Use total amount divided by the size of one piece. The equation is $9 \div \frac{1}{3} = n$.
- The correct answer is $2\frac{1}{2}$ m.** **(5.NR.3.4)** $3 \times \frac{5}{6} = \frac{15}{6} = \frac{5}{2} = 2\frac{1}{2}$ m.
- Choice C is correct.** **(5.GSR.8.3)** Volume = $6 \times 4 \times 7 = 168$ cubic feet.
- Choice B is correct.** **(5.GSR.8.2)** A rectangle is a quadrilateral with four right angles. It also has two pairs of parallel sides, so choices A and D are not true.
- The correct answer is about 1.** **(5.NR.3.3)** $\frac{11}{12} \approx 1$ and $\frac{1}{8} \approx 0$, so the estimate is about 1. Accept reasonable estimates close to 1, such as $\frac{9}{10}$, 0.9, or 1.
- Choice C is correct.** **(5.NR.5.1)** A square has 4 equal sides. If each side is 9 meters, the perimeter is $9 + 9 + 9 + 9$, or 4×9 .
- Choice B is correct.** **(5.NR.2.2)** $912 \div 19 = 48$. Check: $19 \times 48 = 912$.
- Choice B is correct.** **(5.MDR.7.3)** Garden A: $\frac{1}{2} \times \frac{2}{3} = \frac{2}{6} = \frac{1}{3}$ acre. Garden B: $\frac{3}{4} \times \frac{1}{2} = \frac{3}{8}$ acre. Since $\frac{3}{8} > \frac{1}{3}$, Garden B is larger.
- Choice C is correct.** **(5.PAR.6.2)** The four points form a quadrilateral with four right angles and opposite sides equal. This is a rectangle with width 6 units and height 4 units.
- Choice B is correct.** **(5.NR.3.3)** LCM(5,4) = 20. $\frac{3}{5} = \frac{12}{20}$ and $\frac{1}{4} = \frac{5}{20}$. $\frac{12}{20} + \frac{5}{20} = \frac{17}{20}$ meter.
- Choices A, B are correct.** **(5.GSR.8.3)** Check each prism by multiplying its dimensions. Choices A and B both make 12 cubic units; C makes 18 and D makes 8.
- Choice C is correct.** **(5.GSR.8.3)** $V = 5 \times 3 \times 6 = 90$ ft³.
- The correct answer is 1.** **(5.NR.3.5)** The mixed number $1\frac{2}{5}$ is $\frac{7}{5}$. Then $\frac{7}{5} \times \frac{5}{7} = 1$ because the numerator and denominator factors match.
- Choice C is correct.** **(5.NR.3.5)** $9 \times 2 = 18$ feet. Scaling by a factor greater than 1 (in this case, 2) stretches or enlarges the amount.
- Choice B is correct.** **(5.PAR.6.1)** Each term is 4 less than the term before it. After 28, the next term is 24.
- The correct answer is 25000.** **(5.NR.1.2)** Multiplying by a power of 10 shifts the value to a larger place. $250 \times 100 = 25,000$ (attach two zeros). This confirms the answer.
- Choice B is correct.** **(5.NR.1.1)** When all three angles in a triangle are less than 90 degrees, the triangle is called acute.
- Choice C is correct.** **(5.NR.3.6)** The strip starts with one eighth, then shares that small amount into 3 parts. So the matching division equation is $\frac{1}{8} \div 3 = ?$.
- Choice A is correct.** **(5.NR.4.3)** The hundredths digit is 9. The thousandths digit is 4. Since $4 < 5$, keep hundredths as 9, giving 20.39.
- The correct answer is 4 cm.** **(5.GSR.8.3)** The base area is $9 \times 5 = 45$ square centimeters. Divide 180 by 45 to get a height of 4 centimeters.



A Mentor's Quiet Encouragement

To My Thoughtful Student,

◇ I want to take a moment, away from the noise of practice, to tell you something true: you have done excellent work. 4 practice tests is a real commitment. Most students do not finish what they start. You did. ◇

★ **What mentors notice:** growth is quiet. It doesn't shout. But it shows up in how you tackle a problem today versus how you tackled it weeks ago. That growth is your real prize. ★

What I See In You

- **Determination:** DEEP. You don't quit when problems get tough.
- **Curiosity:** BRIGHT. You wonder why and how, not just "what's the answer."
- **Self-Awareness:** REAL. You know what you understand and what you're learning.
- **Kindness:** CONSISTENT. You're patient with yourself.

Mentor's note: on test day, treat yourself like you'd treat a friend. Be patient. Be encouraging. Be kind. The same skills that helped you finish 4 tests will carry you through the real one.

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 Mentor (Quietly Cheering)

4 COMPLETE TESTS. CONFIDENCE. SUCCESS.



Give your child the practice and confidence they need to excel in **Grade 5 Math**. This book includes **4 full-length** practice tests designed to build skills, improve test readiness, and help students reach their full potential.

WHAT'S INSIDE:



4 COMPLETE PRACTICE TESTS

Full-length tests that reflect real test format and rigor.



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Numbers & Operations, Fractions, Decimals, Geometry, Measurement, Data & Probability, and more.



MIXED REVIEW & WORD PROBLEMS

Build problem-solving skills with mixed review questions and real-world word problems.



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Step-by-step explanations for every question to help students learn and improve.



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Practice consistently, reduce test anxiety, and achieve your best score!



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Math Skills



Improve
Accuracy
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