

10

Georgia Milestones

GRADE
6
MATH

PRACTICE TESTS

Standards-Aligned Review
Mixed Practice & Answer Key



10 PRINTED TESTS

Realistic practice to build confidence and mastery



2 ONLINE TESTS

Extra practice for continued success



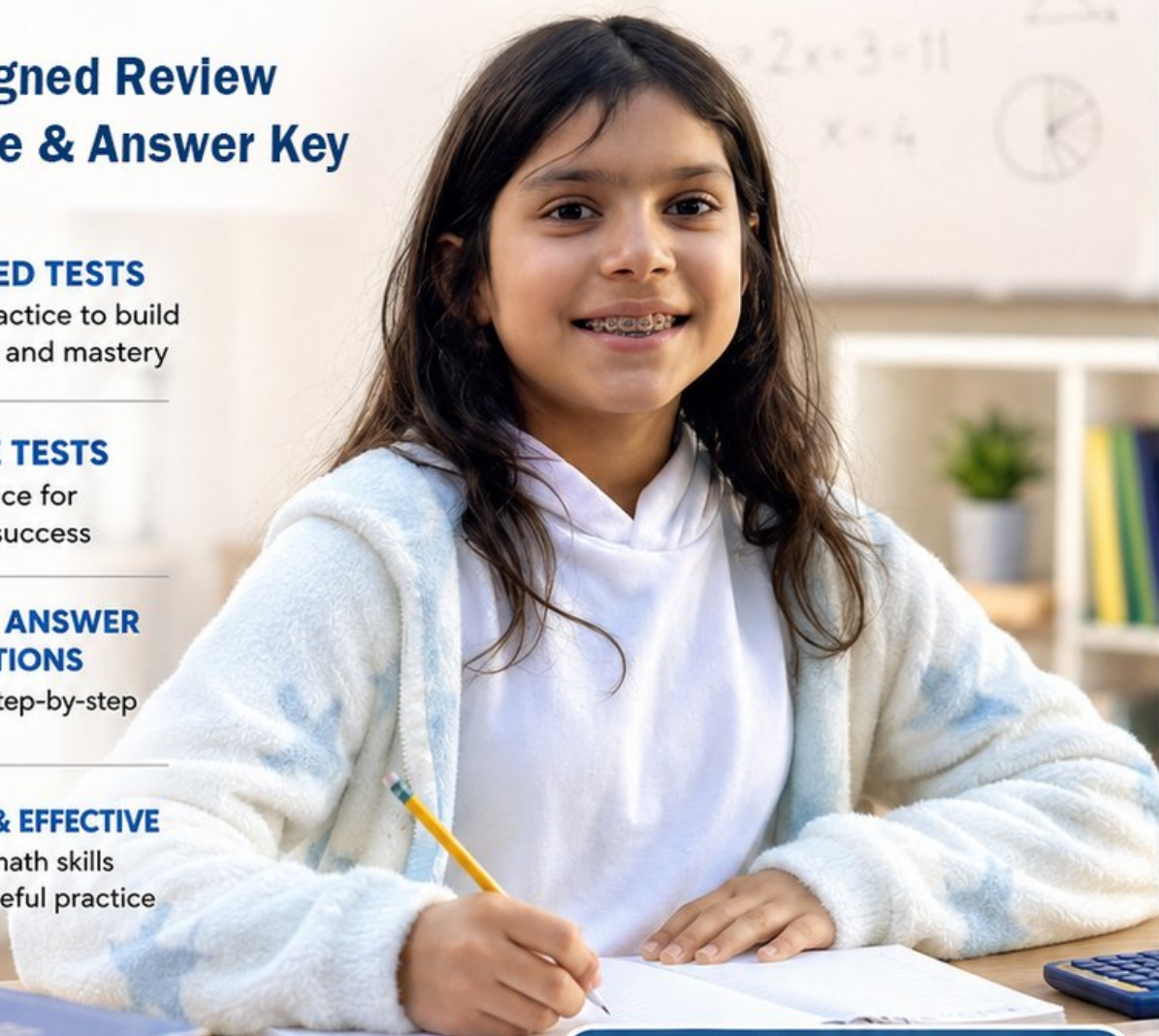
DETAILED ANSWER EXPLANATIONS

Learn with step-by-step solutions



FOCUSED & EFFECTIVE

Target key math skills with purposeful practice



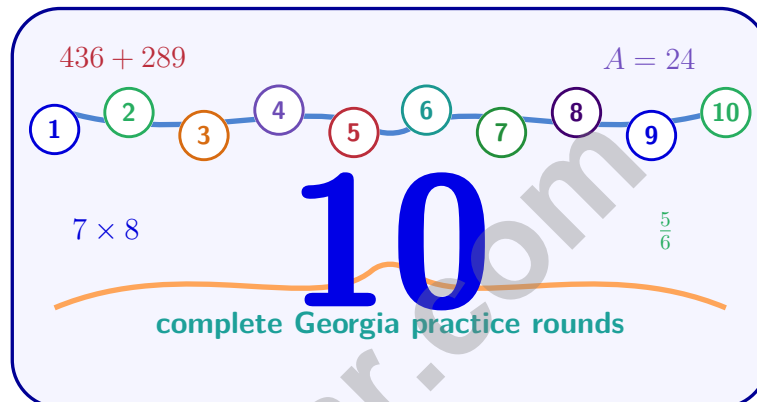
10 PRINTED TESTS
+ 2 ONLINE TESTS

Use these two additional online practice tests for extra review after the printed tests in this book.

PRACTICE • REVIEW • SUCCEED

10 Georgia Milestones Grade 6 Math Practice Tests

Standards-Aligned Warm, Determined Thinking for Georgia Milestones Assessment System



Ten complete 40-question Grade 6 practice rounds for Milestones, with ratios, rational numbers, expressions, equations, geometry, statistics, answer keys, and clear explanations for every item.

Jay Daie and Reza Nazari



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Welcome, Georgia Math Explorer!

Ten steady rounds on a Peach State problem-solving path

This book gives you ten full Grade 6 practice tests for Milestones. Each round uses rolling hills, city streets, and focused math practice as a fresh mental backdrop while you read closely, choose a smart strategy, show your work, and check whether your answer makes sense.

Your Georgia Practice Promise

Circle the action words before choosing a plan. I will slow down for the question, circle what matters, solve one step at a time, and use mistakes as clues for getting stronger.

Read

Plan

Check

How to Use This Book

A ten-session routine for warm, determined thinking

1. **Preview the skills.** Read the quick review pages before the first test.
2. **Take one test at a time.** Work in a quiet place and answer all 40 questions.
3. **Mark your confidence.** Put a small star beside problems you solved with a strong plan.
4. **Check, then retry.** For missed questions, try the problem again before reading the explanation.
5. **Track your next move.** Use the growth log to name one habit and one skill for the next test.

Georgia review rhythm: Test one day, correct carefully the next day, then return for the next round when your corrections feel clear.



What Is Inside?

Ten Milestones tests, 400 questions, and a full review path

Part	What You Will Practice
Tests 1–3	Warm-up rounds for ratios, rational numbers, operations, and careful reading.
Tests 4–6	Skill-building rounds with expressions, equations, geometry, data, and problem models.
Tests 7–9	Stamina rounds for mixed review, neat work, and flexible strategy choices.
Test 10	Final Georgia round to show growth across the whole book.
Answer Pages	Compact keys and explanations that show why each answer works.

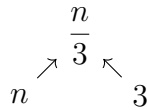
The tests are mixed on purpose. Warm, determined thinking means recognizing the skill even when the next question changes topic.



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Quotient

1)

This expression tree represents which phrase?

- A. The product of n and 3 C. The quotient of a number n and 3
 B. Three times a number n D. The sum of n and 3

2) An architect is designing a house. On the blueprint, the house is drawn using a scale of 1 inch = 4 feet. The actual house will be 32 feet long. How long should the house be drawn on the blueprint?

- A. 4 inches C. 12 inches
 B. 8 inches D. 16 inches

3) Divide $8,456 \div 56$ and determine the remainder.

- A. 151 R 0 C. 151 R 0
 B. 150 R 56 D. 152 R 24

4) Find the volume of a rectangular prism with dimensions $\frac{3}{2}$ cm, 6 cm, and $\frac{8}{3}$ cm.



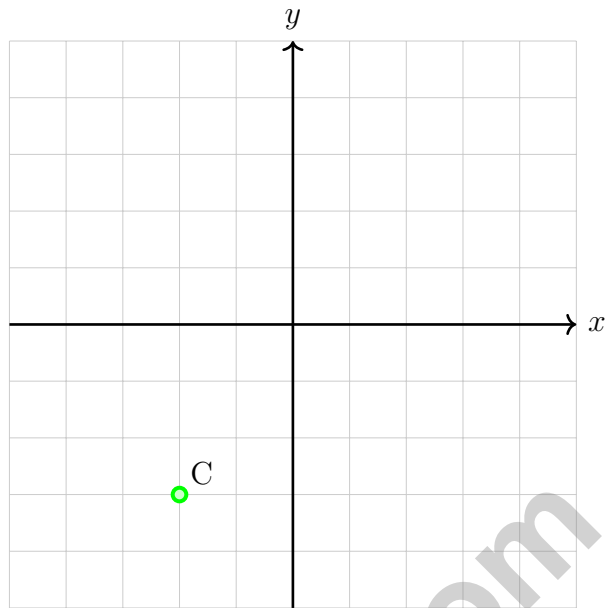
- 5) A scale drawing uses a ratio table. The ratio is 1 inch : 50 miles. If a distance on the map is 4 inches, how many miles is the actual distance?

Map (inches)	Actual (miles)
1	50
2	100
4	?

- A. 150 miles C. 250 miles
 B. 200 miles D. 400 miles
- 6) A container has 8 ounces of sugar. How many pounds is this? (Use 1 pound = 16 ounces.)
- A. 0.25 pounds C. 1 pound
 B. 0.5 pounds D. 2 pounds
- 7) A student saves \$15 out of every \$100 earned. What percentage of earnings does the student save?
- A. 6% C. 25%
 B. 15% D. 85%



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5)

Point C is at $(-2, -3)$. When it is reflected over the y -axis, which of the following is its image?

- A. $(-2, -3)$ C. $(-2, 3)$
 B. $(2, 3)$ D. $(2, -3)$



1) A student fills in a ratio table but makes an error. Which entry is wrong?

Hours Worked	Money Earned (\$)
2	18
4	36
6	54
7	64

- A. 2 : 18 is wrong
- B. 4 : 36 is wrong
- C. 6 : 54 is wrong
- D. 7 : 64 is wrong
- 2) On a test, Maria answered 27 out of 30 questions correctly. What percent is this (to the nearest whole percent)?
- A. 85%
- B. 90%
- C. 95%
- D. 100%
- 3) A proportional relationship is shown on a graph. Two points on the line are (3, 21) and (7, 49). Find the constant of proportionality (the unit rate).



Georgia Milestones Practice Test Answer Keys

How to use this section with a Grade 6 student:

1. check the answer first
2. mark questions to try again
3. rework the problem before reading the full explanation

A calm correction routine turns every missed item into useful practice.

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Practice Test Answers and Explanations

Practice Test 1 Answers and Explanations

- 1) **Choice C is correct.** **(6.NR.1.2)** The tree shows n divided by 3 to produce $\frac{n}{3}$, representing the quotient of n and 3.
- 2) **Choice B is correct.** **(6.PAR.8.4)** Divide by the scale: $32 \div 4 = 8$ inches.
- 3) **Choice C is correct.** **(6.NR.2.2)** $8,456 \div 56 = 151$ with no remainder. Check: $56 \times 151 = 8,456$.
- 4) **The correct answer is 24.** **(6.NR.4.1)** $V = 1.5 \times 6 \times \frac{8}{3} = 9 \times \frac{8}{3} = \frac{72}{3} = 24 \text{ cm}^3$.
- 5) **Choice B is correct.** **(6.NR.1.2)** The ratio is 1 : 50. When map distance is 4 inches (multiply by 4), actual distance is $50 \times 4 = 200$ miles.
- 6) **Choice B is correct.** **(6.NR.2.2)** Divide: $8 \div 16 = 0.5$ pounds.
- 7) **Choice B is correct.** **(6.PAR.8.1)** The ratio is $\frac{15}{100} = 0.15 = 15\%$.
- 8) **Choice B is correct.** **(6.PAR.6.4)** 20% of 300 is $0.20 \times 300 = 60$ students.
- 9) **Choice B is correct.** **(6.PAR.6.2)** Mean = $\frac{12 + 15 + 18 + 19}{4} = \frac{64}{4} = 16$.
- 10) **Choice D is correct.** **(6.PAR.6.5)** The 3 lemonade parts stand for 18 cups, so each part is $18 \div 3 = 6$ cups. Iced tea is 2 parts, so $2 \times 6 = 12$ cups.
- 11) **Choice D is correct.** **(6.NR.2.5)** The ratio 8 : 2 means the first quantity, points, is matched with the second quantity, power-ups. So the correct phrase is “for every 8 points there are 2 power-ups.”
- 12) **Choice C is correct.** **(6.PAR.8.3)** Divide pages by time: $45 \div \frac{3}{4} = 45 \times \frac{4}{3} = \frac{180}{3} = 60$ pages per hour.
- 13) **Choice B is correct.** **(6.PAR.6.5)** $\$45 \div 9 = \5 per t-shirt.
- 14) **Choice D is correct.** **(6.PAR.6.1)** The unit rate is the change in goals divided by the change in hours: $\frac{15-6}{5-2} = \frac{9}{3} = 3$ goals per hour.
- 15) **Choice B is correct.** **(6.PAR.7.2)** Convert all to percents: $\frac{1}{2} = 50\%$, $40\% = 40\%$, $0.45 = 45\%$. Order: $40\% < 45\% < 50\%$.
- 16) **The correct answer is (5, 6).** **(6.PAR.7.1)** If the image after reflecting over the x -axis is $(5, -6)$, then the original point was $(5, 6)$ (reflect back by negating the y -coordinate again).
- 17) **Choice B is correct.** **(6.PAR.7.4)** Store A’s discount is $\frac{50-40}{50} = \frac{10}{50} = 20\%$. Store B’s discount is $\frac{60-42}{60} = \frac{18}{60} = 30\%$, so Store B offers the larger percent discount.
- 18) **Choice C is correct.** **(6.PAR.8.2)** Non-soccer players: $30 - 18 = 12$. Ratio 18 : 12 simplifies to 3 : 2 by dividing by 6.
- 19) **The correct answer is $201\frac{1}{7}$.** **(6.GSR.5.1)** Radius $r = \frac{16}{2} = 8$ in. Area = $\pi r^2 \approx \frac{22}{7} \times 8^2 = \frac{22}{7} \times 64 = \frac{1408}{7} \approx 201\frac{1}{7}$ or approximately 201 in².
- 20) **The correct answer is A:** $\frac{1}{2} \times 14 \times 9 = 63 \text{ m}^2$ (correct). **D:** $\frac{1}{2} \times 6 \times 15 = 45 \text{ in}^2$ (correct).. **(6.GSR.5.1)** A is correct because $\frac{1}{2} \times 14 \times 9 = 63 \text{ m}^2$. D is correct because $\frac{1}{2} \times 6 \times 15 = 45 \text{ in}^2$. B doubles instead of halves, C uses the inverse formula incorrectly, and E describes the wrong effect of tripling the base.
- 21) **Choice C is correct.** **(6.GSR.5.3)** Spending: $\$50 - \$12 = \$38$ per week.
- 22) **Choice A is correct.** **(6.PAR.6.2)** Plan P: cost = $8m$ (proportional, passes through origin). Plan Q: cost = $20 + 3m$ (not proportional, has initial constant term).
- 23) **Choice D is correct.** **(6.PAR.8.4)** Keep the first fraction, invert the second, and multiply.
- 24) **Choice A is correct.** **(6.GSR.5.3)** Subtract: $0.15 - 0.08 = 0.07$ meters. Align decimal points.
- 25) **Choice B is correct.** **(6.NR.1.2)** Multiples of 8: 8, 16, 24, 32, ... Multiples of 12: 12, 24, 36, ... The least common multiple is 24.
- 26) **Choice D is correct.** **(6.NR.2.3)** Factors of 16: 1, 2, 4, 8, 16. Factors of 40: 1, 2, 4, 5, 8, 10, 20, 40. Common factors: 1, 2, 4, 8. GCF is 8.
- 27) **Choice D is correct.** **(6.NR.2.4)** Negative numbers are located to the left of zero on a number line. The number -6 is 6 units to the left of zero.



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& answers

Hi, Math Champion!

◇ You trained hard! 10 full practice tests is real practice. Your math game is way better now than when you started. ◇

★ **Coach's truth:** kids who practice get better. You practiced. You got better. That's how it works!
★

Your Game Stats

- **Energy:** HIGH! You can finish a long test.
- **Smart Plays:** You know lots of strategies.
- **Calm Head:** You stay cool with hard problems.
- **Game-Day Ready:** You feel strong and prepared.

Coach's tip: the night before the test, get good sleep. Eat a good breakfast. Bring a sharp pencil. Trust your training!

If you want to share something or ask a question, please email me at jay@testinar.com.

Jay Daie

Your Math Coach

PRACTICE MORE. ACHIEVE MORE. SUCCEED!

This **Grade 6 Math Practice Tests** book is designed to help students build strong math skills, deepen their understanding of key concepts, and gain the confidence they need to succeed on any test.

With 10 full-length printed tests and 2 online tests, students get the review, practice, and realistic test experience they need to improve accuracy, strengthen problem-solving abilities, and reach their full potential.

Perfect for classroom use, homework, test preparation, and extra practice at home.

PERFECT FOR:

- ✓ Classroom Practice
- ✓ Homework & Review
- ✓ Independent Learning
- ✓ Test Preparation
- ✓ Skill Reinforcement
- ✓ Building Confidence



**CONFIDENCE TODAY.
SUCCESS TOMORROW!**

WHAT STUDENTS WILL GAIN



Stronger Math Skills

Build a solid foundation through targeted practice and review.



Better Problem Solving

Develop logical thinking and effective solution strategies.



Deepen Understanding

Reinforce key math concepts aligned with standards.



Test Confidence

Get familiar with test formats and improve accuracy.



Achieve Success

Build confidence and perform your best on test day.

TOPICS COVERED

- ✓ Ratios & Rates
- ✓ The Number System
- ✓ Expressions & Equations
- ✓ Geometry
- ✓ Fractions & Decimals
- ✓ Percents
- ✓ Statistics & Probability
- ✓ Data Analysis
- ✓ Measurement & Conversions
- ✓ And More!



2 ONLINE TESTS

Extra online practice to reinforce learning and build confidence.

MORE PRACTICE. GREATER RESULTS.

Give your child the tools needed to develop strong math skills, confidence, and a positive attitude toward learning.



10 PRINTED
PRACTICE TESTS



2 ONLINE
PRACTICE TESTS



DETAILED ANSWER
EXPLANATIONS