

4 Georgia Milestones

GRADE
6
MATH

PRACTICE TESTS

Standards Aligned Problem Solving
For Comprehensive Assessment Programs

4

**PRINTED
TESTS**



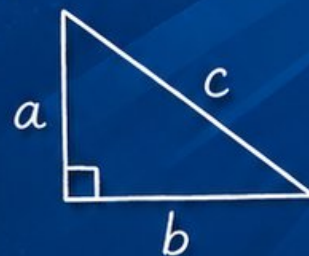
2

**ONLINE
TESTS**



- ✓ Build Confidence
- ✓ Master Key Math Skills
- ✓ Answer Explanations for Every Question
- ✓ Test-Taking Strategies That Work

$$2x + 5 = 21$$
$$x = 8$$



$$\frac{3}{4} + \frac{1}{2} = \frac{5}{4}$$



**USE THESE TWO
ADDITIONAL ONLINE
PRACTICE TESTS**

**FOR EXTRA REVIEW AFTER
THE PRINTED TESTS
IN THIS BOOK.**

4 Georgia Milestones Grade 6 Math Practice Tests

Standards-Aligned Peach-State Practice Discipline for Georgia Milestones Assessment System



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

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Welcome, Georgia Math Explorer!

Four focused rounds using peach-state practice discipline

This book gives you four full Grade 6 practice tests for Milestones. Each round uses city blocks, red clay roads, and steady classroom routines 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

Show the thinking before the answer: circle clues, write the equation, and label the result.

Read

Plan

Check

How to Use This Book

A four-session routine for peach-state practice discipline

1. **Preview the skills.** Scan the quick review pages before beginning the first round.
2. **Work in order.** Take one 40-question test at a time in a quiet place.
3. **Mark confidence.** Put a small star beside problems where your plan felt strong.
4. **Correct actively.** Retry missed items before reading the full explanation.
5. **Plan the next round.** Use the growth log to choose one habit and one skill to practice.

Georgia review rhythm: Take a round, review the explanations, and set one small target for the next test.



What Is Inside?

Four Milestones tests, 160 questions, and a full review path

Part	What You Will Practice
Tests 1–2	Foundation rounds for ratios, rational numbers, operations, and careful reading.
Tests 3–4	Skill-building and final stamina rounds with expressions, equations, geometry, data, and problem models.
Answer Pages	Compact keys and explanations that show why each answer works.

The tests are mixed on purpose. Peach-state practice discipline means recognizing the skill even when the next question changes topic, changes format, or asks for an explanation.



Scan me!
For more practice
& answers

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- 1) A recipe calls for no more than $\frac{1}{2}$ cup of salt. Which inequality represents the amount a of salt that can be used?
- A. $a < \frac{1}{2}$ C. $a \leq \frac{1}{2}$
 B. $a \geq \frac{1}{2}$ D. $a > \frac{1}{2}$
- 2) A golf player's score relative to par is tracked as: hole 1 is -2 (two under par), hole 2 is $+1$ (one over par), hole 3 is -1 (one under par). What is the total score relative to par after three holes?
- A. $+2$ C. $+4$
 B. 0 D. -2
- 3) What is the value of $|-12|$?
- A. 12 C. -12
 B. 0 D. 24
- 4) Which decimal is located between -1 and 0 on a number line?
- A. -1.5 C. 0.3
 B. -0.7 D. 0.8
- 5) Which ordered pair has an x -coordinate of -5 and shares the same y -coordinate as the point $(2, 8)$?
- A. $(-5, 8)$ C. $(-5, 2)$
 B. $(8, -5)$ D. $(-5, -8)$



6) Order from least to greatest:

$$\frac{3}{5}, -\frac{3}{5}, -\frac{1}{5}, \frac{1}{5}$$

A. $-\frac{3}{5}, -\frac{1}{5}, \frac{1}{5}, \frac{3}{5}$

B. $\frac{1}{5}, \frac{3}{5}, -\frac{1}{5}, -\frac{3}{5}$

C. $-\frac{1}{5}, -\frac{3}{5}, \frac{1}{5}, \frac{3}{5}$

D. $\frac{3}{5}, \frac{1}{5}, -\frac{1}{5}, -\frac{3}{5}$

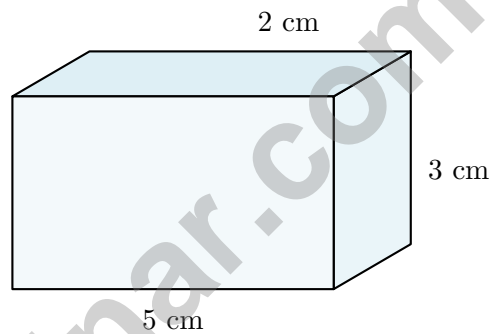
7) A trapezoid has an area of 112 cm^2 , a height of 8 cm, and one base of 9 cm. What is the other base?

A. 19 cm

B. 16 cm

C. 14 cm

D. 22 cm



8)

What is the volume of the rectangular prism?

A. 10 cm^3

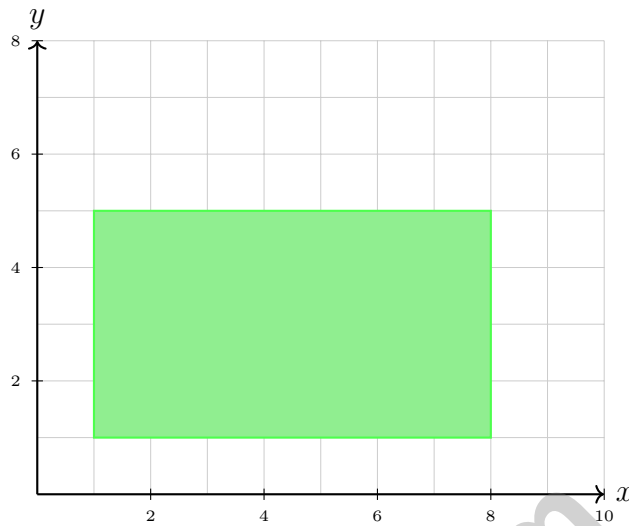
B. 15 cm^3

C. 30 cm^3

D. 50 cm^3



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9)

If a rectangle has vertices at $(1, 1)$, $(8, 1)$, $(8, 5)$, and $(1, 5)$, what is the ratio of its width to its height?

 A. $4 : 7$ C. $3 : 7$ B. $7 : 4$ D. $7 : 3$

10) A rectangular prism has dimensions $6 \text{ m} \times 4 \text{ m} \times 2 \text{ m}$. Which expression correctly computes its surface area?

 A. $2(6 + 4 + 2)$ C. $2(6 \times 4) + 2(6 \times 2) + 2(4 \times 2)$ B. $6 + 4 + 2 + 6 + 4 + 2$ D. $6 \times 4 \times 2$ 

- 1) A business has a profit of \$500 in January. In February, it has a loss of \$200. Which integer best represents the total change in profit for the two months?
- A. \$300 C. -\$300
 B. \$700 D. -\$700
- 2) A dataset's five-number summary is: min = 12, $Q_1 = 22$, median = 30, $Q_3 = 38$, max = 48. Based on the five-number summary, which value appears to be the most typical of the data?
- A. The minimum value of 12 C. The maximum value of 48
 B. The median value of 30 D. The range of 36
- 3) The data set is: 5, 8, 10, 12, 15, 18, 20, 22, 25, 28. Find the interquartile range (IQR).
Hint: $Q_1 = 10$, $Q_3 = 23$.

- 4) Find the median of the data set 2, 3, 4, 5, 100.



5) Grade distribution histogram: 60–69 (5 students), 70–79 (8 students), 80–89 (10 students), 90–100 (7 students). In which interval is the median grade?

A. 60~69

C. 80~89

B. 70~79

D. 90~100

6) An event has probability 0.75. What is the probability of the **complement** (the event not occurring)?

A. 0.15

C. 0.50

B. 0.25

D. 0.85

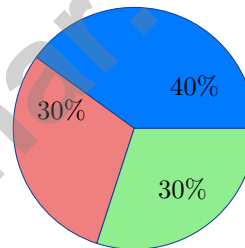
7) Which data set would be best displayed in a stem-and-leaf plot?

A. Names of students

C. Test scores ranging from 50 to 100

B. Favorite colors

D. Types of fruits



8)

In the circle graph, what is the central angle of the largest section if it represents 40%?

A. 108°

C. 144°

B. 120°

D. 160°



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1) The base of a triangle is 15 inches. What height is needed to create an area of 90 in^2 ?

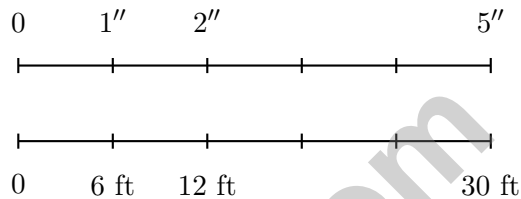
A. 6 in

C. 15 in

B. 12 in

D. 30 in

2) A double number line shows the relationship between drawing measurements and actual distances.



According to the double number line, 3 inches on the drawing represents how many feet?

A. 12 feet

C. 18 feet

B. 15 feet

D. 24 feet

3) What is $\frac{2}{9} \div \frac{4}{9}$?

A. $\frac{8}{81}$

C. $\frac{6}{9}$

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

D. 2

4) A circle has circumference 12.6 inches and diameter 4 inches. Find the ratio C/d .



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Georgia Milestones Practice Test Answer Keys

How to use this Georgia Milestones answer section with a Grade 6 student:

1. check the answer first, then write one quick reason the choice is correct
2. mark questions to try again, especially the skills that feel connected to peach-state practice discipline
3. rework the problem before reading the full explanation, using this reminder:
Show the thinking before the answer: circle clues, write the equation, and label the result.

A calm Georgia correction routine turns every missed item into useful practice. Take a round, review the explanations, and set one small target for the next test.



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& answers

Georgia Practice Test Answers and Explanations

Review the four printed Milestones tests with confident, thoughtful, and ready for the next challenge habits.

Practice Test 1 Answers and Explanations

- 1) **Choice C is correct.** **(6.PAR.7.4)** “No more than” means at most: $a \leq \frac{1}{2}$.
- 2) **Choice D is correct.** **(6.NR.3.5)** Total is $(-2) + (+1) + (-1) = -2 + 1 - 1 = -2$ relative to par.
- 3) **Choice A is correct.** **(6.NR.3.2)** The absolute value of a number is its distance from zero on a number line, always non-negative. $|-12| = 12$.
- 4) **Choice B is correct.** **(6.PAR.8.1)** Values between -1 and 0 are negative decimals closer to zero. Only -0.7 satisfies $-1 < x < 0$.
- 5) **Choice A is correct.** **(6.PAR.8.3)** The point $(2, 8)$ has $y = 8$. A point with $x = -5$ and the same y -coordinate is $(-5, 8)$.
- 6) **Choice A is correct.** **(6.NR.3.4)** Negative fractions come before positive ones. $-\frac{3}{5} < -\frac{1}{5}$ and $\frac{1}{5} < \frac{3}{5}$.
- 7) **Choice A is correct.** **(6.GSR.5.1)** Using $A = \frac{1}{2}(b_1 + b_2) \times h$: $112 = \frac{1}{2}(9 + b_2) \times 8 = 4(9 + b_2)$. So $9 + b_2 = 28$, giving $b_2 = 19$ cm.
- 8) **Choice C is correct.** **(6.GSR.5.3)** Using $V = L \times W \times H$, we have $V = 5 \times 2 \times 3 = 30$ cm³.
- 9) **Choice B is correct.** **(6.GSR.5.1)** Width: $8 - 1 = 7$ units. Height: $5 - 1 = 4$ units. Ratio of width to height: $7 : 4$.
- 10) **Choice C is correct.** **(6.GSR.5.2)** The surface area of a rectangular prism is $SA = 2LW + 2LH + 2WH$. This accounts for all 6 faces: two $L \times W$ faces, two $L \times H$ faces, and two $W \times H$ faces. Choice C is the correct formula.
- 11) **Choice A is correct.** **(6.PAR.8.4)** Translating left subtracts from x : $C(3, 3) \rightarrow C'(3 - 2, 3) = C'(1, 3)$.
- 12) **The correct answer is 52%.** **(6.NR.4.6)** A 10×10 grid has 100 squares total. If 52 are shaded, the percent is $\frac{52}{100} = 52\%$.
- 13) **Choice A is correct.** **(6.NR.1.3)** Multiply both by 10: $72 \div 8 = 9$.
- 14) **Choice D is correct.** **(6.NR.1.1)** After removing 3 red chips from 5 red and 4 blue, we have 2 red and 4 blue remaining. This represents $-2 + 4 = 2$.
- 15) **Choice B is correct.** **(6.PAR.6.5)** Total score is the sum: $-4 + 2 = -2$ (2 under par).
- 16) **Choice D is correct.** **(6.PAR.6.1)** Divide and multiply from left to right: $12 \div 2 = 6$ and $3 \times 2 = 6$. Then add: $6 + 6 = 12$.
- 17) **Choice B is correct.** **(6.PAR.8.4)** For a vertical segment: $10 - 3 = 7$ units.
- 18) **Choice B is correct.** **(6.NR.3.6)** Total expenses: $\$45 + \$30 + \$20 = \95 . Remaining: $\$120 - \$95 = \$25$.
- 19) **Choice D is correct.** **(6.NR.3.6)** This is not proportional because the cost per notebook is not constant. For example, 1 notebook costs \$0, but 2 notebooks cost \$5, so the ratio of cost to notebooks changes.
- 20) **The correct answer is 90.** **(6.NR.4.6)** 60% of 150 = $0.60 \times 150 = 90$ students.
- 21) **Choice D is correct.** **(6.PAR.7.2)** Total allocated: $\$3000 + \$2000 + \$1500 + \$1500 = \$8000$. Unallocated: $\$10000 - \$8000 = \$2000 = 20\%$ of \$10000.
- 22) **The correct answer is The constant of proportionality is 4, and the cost per unit is \$4.** **(6.NR.4.2)** A is correct because $k = \frac{8}{2} = 4$. B is correct because the cost per unit is \$4. The equation is $y = 4x$, so Choice C is false; Choice D is false because the graph passes through $(0, 0)$; Choice E gives the wrong unit rate.
- 23) **Choice C is correct.** **(6.NR.2.1)** Multiply: $5 \times 2 = 10$ feet.
- 24) **Choice C is correct.** **(6.NR.1.2)** $1\frac{1}{3} = \frac{4}{3}$, so $\frac{4}{3} \div \frac{2}{5} = \frac{4}{3} \times \frac{5}{2} = \frac{20}{6} = \frac{10}{3} = 3\frac{1}{3}$.
- 25) **The correct answer is 200.** **(6.PAR.7.2)** Distance = Rate \times Time = $80 \times 2.5 = 200$ miles.
- 26) **Choice A is correct.** **(6.NR.1.2)** $4,896 \div 18 = 272$. Verify: $18 \times 272 = 4,896$.
- 27) **Choice B is correct.** **(6.PAR.6.2)** GCF of 14 and 21 is 7. So $14 + 21 = 7(2 + 3)$. Only Choice B uses the GCF with whole numbers.



Ahoy, Math Sailor!

◇ You sailed through 4 full tests. Some waters were calm. Some waters were rough. You kept your boat steady the whole way. ◇

★ **Captain's truth:** good sailors stay calm. They use the wind. They check the map. You did all those things on every test. ★

Sailor's Skills

- **Steady Hand:** You stay calm even when problems are tricky.
- **Map Skills:** You read each problem carefully.
- **Brave Spirit:** You believe in yourself.
- **Safe Harbor:** You finish what you start.

Captain's tip: on test day, sail steady. Trust the map you built through 4 practice tests. You will reach safe harbor!

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

Jay Daie

Your Math Captain

PRACTICE TODAY. SUCCEED TOMORROW!

This book includes 4 full-length Math practice tests and 2 online tests to help Grade 6 students build confidence, strengthen skills, and excel on standardized assessments.

Each practice test is carefully crafted to reflect the latest standards and includes a variety of question types, realistic test conditions, and detailed answer explanations.

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

THIS BOOK INCLUDES:

4 Full-Length Printed Tests

2 Online Practice Tests

 Detailed Answer Explanations

 **MORE PRACTICE.
GREATER RESULTS.**

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

WHAT YOU'LL GAIN



Stronger Math Skills

Build a solid foundation through targeted practice and review.



Better Problem Solving

Develop logical thinking and effective solution strategies.



Deeper Understanding

Reinforce key concepts with clear explanations and meaningful practice.



Test Confidence

Familiarize with test formats and improve accuracy and speed.



Achieve Success

Build confidence and perform your best on test day.

TOPICS COVERED

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



2 ONLINE TESTS

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



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AND LEARNING RESOURCES



PRACTICE
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