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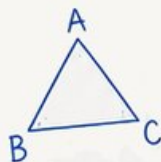
Georgia Milestones

GRADE
6
MATH

PRACTICE TESTS

Standards-Aligned
Steady Southern
Problem Solving for
Comprehensive
Assessment Program

$$2x + 3 = 11$$



$$7^2 = 49$$

BUILD SKILLS.
GAIN CONFIDENCE.
SUCCEED!



6 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



6 PRINTED TESTS + 2 ONLINE TESTS

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



PRACTICE

Sharpen skills
with targeted
practice tests



REVIEW

Understand
concepts and
strengthen skills



SUCCEED

Build confidence
and achieve
your best

6 Georgia Milestones Grade 6 Math Practice Tests

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



Six 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.

Jay Daie and Reza Nazari



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Welcome, Georgia Math Explorer!

Eight focused rounds using peach-state practice discipline

This book gives you six 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 six-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?

Eight Milestones tests, 320 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 3–5	Skill-building rounds with expressions, equations, geometry, data, and problem models.
Test 6	Final stamina round for mixed review, neat work, and flexible strategy choices.
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.

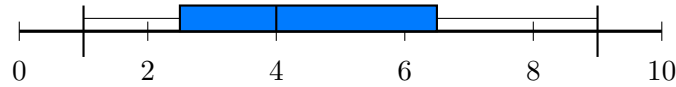


Scan me!
For more practice
& answers

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- 1) Look at the box plot below. How many quartiles divide the data into equal parts?



- A. One quartile
- B. Two quartiles
- C. Three quartiles
- D. Four quartiles
- 2) Which value is a solution to both $x > 3$ and $x < 9$?
- A. $x = 3$
- B. $x = 10$
- C. $x = 6$
- D. $x = 2$
- 3) After simplifying $6m + 2n - 3m + 4n + m$, what is the coefficient of n ?

- 4) Data on pages read in a book: 56, 58, 62, 65, 61, 59, 63. In the stem-and-leaf plot, which stem has the most leaves?
- A. Stem 5
- B. Stem 6
- C. Both have equal leaves
- D. Stem 7
- 5) On a number line, the midpoint between two numbers is -0.5 . If one number is -2 , what is the other number?
- A. -3.5
- B. -1
- C. 1.5
- D. 1



6) If the point $(6, -4)$ is reflected across the x -axis and then across the y -axis, what are the final coordinates?

- A. $(6, -4)$ C. $(6, 4)$
 B. $(-6, 4)$ D. $(-6, -4)$

7)

Account	Balance (\$)
Savings	250
Checking	-15
Loan	-100

List the accounts from least money to most money.

- A. Savings, Checking, Loan C. Checking, Loan, Savings
 B. Loan, Checking, Savings D. Loan, Savings, Checking

8) What is $\frac{-20}{4}$?

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

9) Write an expression for “the sum of the product of a and b and c ”.

- A. $ab + c$ C. abc
 B. $a(b + c)$ D. $a + b \cdot c$

10) How many terms does the expression $9a + 4b + 3c + 2$ have?

- A. 2 C. 4
 B. 3 D. 5



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& answers

11) The temperature in Celsius is converted to Fahrenheit using $F = \frac{9}{5}C + 32$. Find F when $C = 0$.

- A. 0 C. 40
 B. 32 D. 50

12) An apple costs a cents. A pear costs 15 cents. If $a = 20$, what is the total cost of one apple and one pear?

- A. 5 cents C. 15 cents
 B. 300 cents D. 35 cents

13) Solve for x : $\frac{x}{5} = 3$

- A. $x = \frac{3}{5}$ C. $x = 8$
 B. $x = 2$ D. $x = 15$

14) Which number line shows $x < -3$?



- A. Open circle at -3 , arrow left C. Open circle at -3 , arrow right
 B. Closed circle at -3 , arrow left D. Closed circle at 3 , arrow left

15) A rectangular prism has dimensions $\frac{3}{2}$ m, $\frac{4}{3}$ m, and $\frac{5}{2}$ m. What is its volume in cubic meters?

- A. 1.5 m^3 C. 3.5 m^3
 B. 2.5 m^3 D. 5 m^3



1) A number from 1 to 20 is selected at random. What is the probability that the number is even?

A. $\frac{1}{20}$
 B. $\frac{10}{20}$

C. $\frac{9}{20}$
 D. $\frac{1}{2}$

2) A box plot is constructed for the data set: 5, 8, 10, 12, 15, 18, 22. The box extends from 8 to 18. This means:

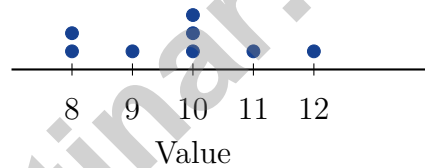
A. The range is 10.

C. The mean is 12.

B. $Q1 = 8$ and $Q3 = 18$.

D. All values are between 8 and 18.

3) A dot plot shows the values 8, 8, 9, 10, 10, 10, 11, 12. If you remove one value of 10, how does the mean change?



A. The mean decreases

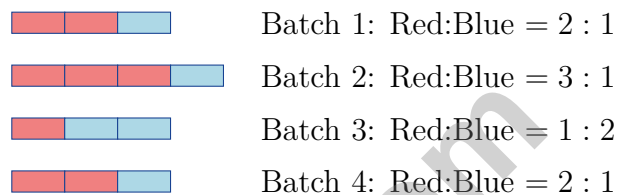
C. The mean increases

B. The mean stays the same

D. The mean becomes zero



- 1) Two circles have radii of 2 inches and 4 inches respectively. Using $\pi \approx 3.14$, what is the difference in their areas?
- A. 37.68 in^2 C. 6.28 in^2
 B. 12.56 in^2 D. 50.24 in^2
- 2) A paint shop mixes colors. The diagram shows four different batches.



Which two batches have the same ratio?

- A. Batches 1 and 2 C. Batches 1 and 4
 B. Batches 1 and 3 D. Batches 2 and 4
- 3) A histogram has frequencies 8, 14, 11, 7. What percent are in the two middle intervals?

- 4) A construction crew builds 78 feet of fence in 6 hours. What is the rate in feet per hour?
- A. 12 feet per hour C. 72 feet per hour
 B. 84 feet per hour D. 13 feet per hour



Scan me!
For more practice
& answers

5) A recipe uses 3 cups of flour to make 12 cookies. How much flour is needed per cookie?

A. 0.25 cups

B. 0.75 cups

C. 1 cup

D. 4 cups

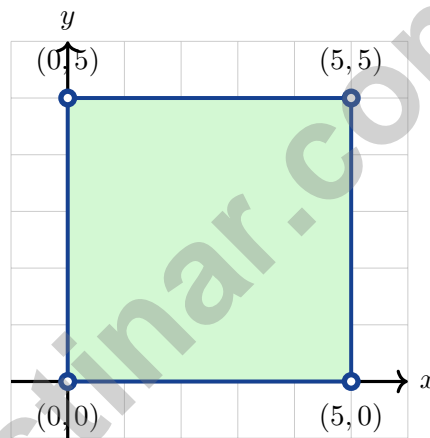
6) A thermometer reads -5°F in the morning. By afternoon, the temperature has risen by 8°F . What is the new temperature?

A. 13°F

B. 3°F

C. -13°F

D. -3°F



7)

A square has vertices at $(0,0)$, $(5,0)$, $(5,5)$, and $(0,5)$. What is the perimeter?

A. 15 units

B. 18 units

C. 20 units

D. 25 units



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.



Georgia Practice Test Answers and Explanations

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

Practice Test 1 Answers and Explanations

- Choice C is correct.** **(6.NR.4.1)** Q_1 , Q_2 (median), and Q_3 are the three quartiles shown in a box plot. They divide the dataset into four equal parts of 25% each.
- Choice C is correct.** **(6.PAR.7.4)** $x > 3$ and $x < 9$ means x is between 3 and 9. Only 6 satisfies both: $6 > 3$ and $6 < 9$.
- The correct answer is 6.** **(6.PAR.6.5)** Combine n terms: $2n + 4n = 6n$.
- Choice B is correct.** **(6.NR.2.5)** Stem 5: 56, 58, 59 (3 leaves); stem 6: 61, 62, 63, 65 (4 leaves). Stem 6 has more.
- Choice D is correct.** **(6.PAR.8.1)** Using midpoint formula: $\frac{-2+x}{2} = -0.5 \Rightarrow -2+x = -1 \Rightarrow x = 1$.
- Choice B is correct.** **(6.PAR.8.3)** Reflect $(6, -4)$ across the x -axis: $(6, 4)$. Then reflect across the y -axis: $(-6, 4)$.
- Choice B is correct.** **(6.NR.3.4)** From least to most: $-100 < -15 < 250$.
- Choice D is correct.** **(6.NR.1.2)** A negative divided by a positive is negative: $\frac{-20}{4} = -5$.
- Choice A is correct.** **(6.PAR.6.4)** "The product of a and b " is ab . "The sum of ab and c " is $ab + c$.
- Choice C is correct.** **(6.PAR.6.2)** Each term separated by $+$ or $-$ counts as one term. Here: $9a, 4b, 3c, 2$.
- Choice B is correct.** **(6.PAR.6.4)** Substitute $C = 0$: $F = \frac{9}{5}(0) + 32 = 0 + 32 = 32$ degrees.
- Choice D is correct.** **(6.PAR.7.2)** Total cost = $a + 15 = 20 + 15 = 35$ cents.
- Choice D is correct.** **(6.PAR.7.1)** Multiply both sides by 5: $x = 3 \times 5 = 15$.
- Choice A is correct.** **(6.PAR.7.4)** $x < -3$ means -3 is not included (open circle) and we want all numbers less than -3 (arrow pointing left).
- Choice D is correct.** **(6.GSR.5.3)** $V = 1.5 \times 1.333... \times 2.5 = \frac{3}{2} \times \frac{4}{3} \times \frac{5}{2} = \frac{60}{12} = 5 \text{ m}^3$.
- Choice A is correct.** **(6.GSR.5.1)** Base: $13 - 1 = 12$ units. Height: $7 - 1 = 6$ units. Area = $\frac{1}{2} \times 12 \times 6 = 36$ square units.
- Choice D is correct.** **(6.GSR.5.2)** $SA = 2LW + 2LH + 2WH = 2(5)(5) + 2(5)(15) + 2(5)(15) = 50 + 150 + 150 = 350 \text{ cm}^2$.
- Choice A is correct.** **(6.PAR.8.4)** Reflection over the x -axis negates the y -coordinate: $R(2, 3) \rightarrow R'(2, -3)$.
- Choice B is correct.** **(6.PAR.7.4)** Since different students like different genres, answering a statistical question requires collecting data from multiple people. The librarian's preference or book count does not answer the question about student preferences.
- Choice B is correct.** **(6.NR.2.3)** Mean = $(2 + 4 + 6 + 8)/4 = 5$. Deviations: $|2 - 5| = 3$, $|4 - 5| = 1$, $|6 - 5| = 1$, $|8 - 5| = 3$. MAD = $(3 + 1 + 1 + 3)/4 = 2$.
- The correct answer is B and C are correct. The absolute value of zero is 0, and opposites like 5 and -5 both have absolute value 5.** **(6.NR.3.2)** A is incorrect because $|0| = 0$, not positive. D is incorrect because the opposite of -5 is 5, which is positive. E is incorrect because absolute value is the distance from zero, not the opposite.
- Choice C is correct.** **(6.NR.2.4)** Mean = $\frac{2 + 4 + 6 + 8 + 30}{5} = 10$. Median = 6 (middle value). Since $10 > 6$, the mean is greater than the median. The outlier 30 pulls the mean up.
- The correct answer is 14.** **(6.PAR.8.2)** Multiply $2 \times 7 = 14$.
- Choice D is correct.** **(6.NR.2.4)** Median is 62 (middle of 7 values). Lower half: 56, 58, 60. Q_1 is the median of the lower half, which is 58.
- Choice B is correct.** **(6.NR.2.2)** The highest frequency is 18 for Comedy, which would have the tallest bar in the bar graph.
- Choice D is correct.** **(6.NR.2.5)** With 10 data points, the median is the average of the 5th and 6th values when ordered: $(4 + 5) \div 2 = 4.5$.
- Choice D is correct.** **(6.NR.1.2)** Winning sections = 4. Total sections = 10. Probability = $\frac{4}{10} = \frac{2}{5}$.



Hi, Math Detective!

◇ You did such a great job! You finished 6 tests like a real detective. You found the clues, used your tools, and solved the math. ◇

★ **Detectives know:** good work takes time. You took your time. You looked carefully. You found the answers! ★

Your Detective Skills

- **Sharp Eyes:** You notice the small details.
- **Smart Plans:** You pick the right way to solve.
- **Brave Heart:** You try even when it's tricky.
- **Steady Work:** You finish what you start.

Detective tip: on test day, look carefully at each problem. Underline important words. Then solve like the detective you are!

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

Jay Daie

Your Math Detective Helper

PRACTICE TODAY. SUCCEED TOMORROW!

This Grade 6 Math Practice Tests book is designed to help students strengthen their math skills, master important concepts, and build the confidence they need to excel on comprehensive assessments.

With 6 full-length printed tests and 2 online tests, students get the review, practice, and realistic test experience they need to improve accuracy, develop problem-solving abilities, and reach their full potential.

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

6
PRINTED
TESTS

+
2
ONLINE
TESTS

PERFECT FOR:

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

★ BUILD SKILLS.
GAIN CONFIDENCE.
SUCCEED!

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.



Deeper Understanding

Reinforce key concepts aligned with standards through meaningful practice.



Test Confidence

Become familiar with test formats and improve accuracy and speed.



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.



6 FULL-LENGTH
PRINTED TESTS



2 ONLINE
PRACTICE TESTS



DETAILED ANSWER
EXPLANATIONS