

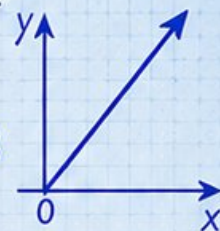
# 3 Georgia Milestones

GRADE  
**6**  
MATH

## PRACTICE TESTS

Standards Aligned Problem Solving  
For Comprehensive Assessment Programs

$$y = 2x + 3$$



$$\frac{3}{5} + \frac{2}{10} = \frac{8}{10} = \frac{4}{5}$$

$$36\% \text{ of } 150 = ?$$



**3** | PRINTED  
TESTS



**2** | ONLINE  
TESTS



Build  
Confidence



Master Key  
Math Skills



Answer Explanations  
for Every Question



Test-Taking  
Strategies That Work

# 3 Georgia Milestones Grade 6 Math Practice Tests

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

$436 + 289$   $A = 24$

1 2 3

$3 \times 10$   $\frac{3}{4}$

complete Georgia practice rounds

Three 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**



# Copyright ©

## Testinar Inc



Published by Testinar Inc

[Testinar.com](http://Testinar.com)

All rights reserved. No part of this publication may be reproduced, distributed, or transmitted in any form or by any means, including photocopying, recording, or other electronic or mechanical methods, without the prior written permission of the author, except in the case of brief quotations embodied in critical reviews and certain other noncommercial uses permitted by copyright law, including Section 107 or 108 of the 1976 United States Copyright Act.

This publication is independently produced and has no official connection to any state, district, or national testing program.

Test names and organizational names used herein are the property of their respective trademark holders.



*Copyright ©*

# Welcome, Georgia Math Explorer!

Three focused rounds using peach-state practice discipline

This book gives you three 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 three-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?

Three Milestones tests, 120 questions, and a full review path

Part	What You Will Practice
Tests 1–2	Foundation rounds for ratios, rational numbers, operations, and careful reading.
Test 3	Final stamina round for expressions, equations, geometry, data, problem models, and mixed review.
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

# Table of Contents

★ Practice Test 1	_____	14
★ Practice Test 2	_____	28
★ Practice Test 3	_____	44
Practice Test Answer Keys	_____	62
Practice Test Answers and Explanations	_____	65

1) Which pair of integers are 5 units apart on a number line?

A.  $-8$  and  $-3$

C.  $-4$  and  $2$

B.  $2$  and  $8$

D.  $1$  and  $5$

2) Marcus has a bank account with a balance of  $-35$  dollars (overdrawn). He deposits  $\$50$ . What is his new balance?

A.  $-85$  dollars

C.  $15$  dollars

B.  $-15$  dollars

D.  $85$  dollars

3) A recipe calls for flour and sugar in a  $5 : 2$  ratio. If the recipe uses  $10$  cups of flour, how many cups of sugar are needed?

4) A student wrote: " $2 + 3^2 = 5^2 = 25$ ." What is the mistake?

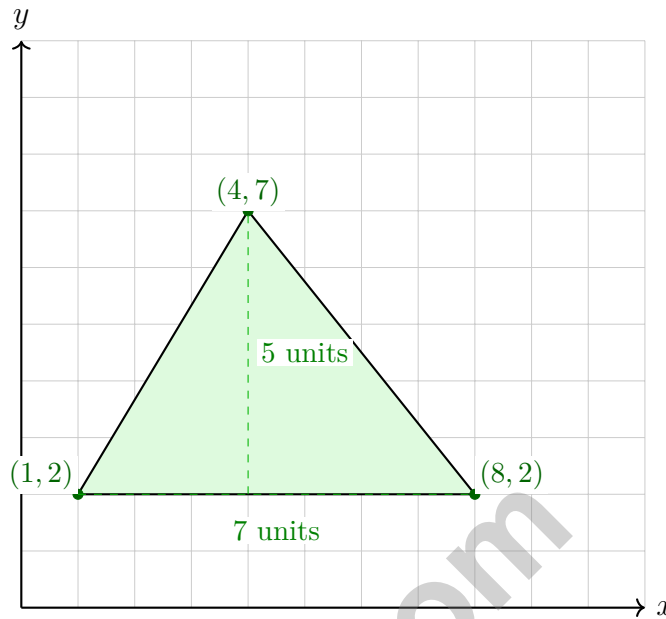
A. The exponent should be applied only to the base  $3$ , not the sum.

C. The result must be negative.

D. There is no mistake.

B. Exponents cannot be used with addition.





5)

A student says this triangle has area 35 square units. What is the error in their reasoning?

- A. They forgot to divide by 2.
  - B. They used the wrong height.
  - C. They added instead of multiplying.
  - D. There is no error.
- 6) This table shows the relationship between gallons of water used and plants watered at a greenhouse.

Gallons of Water	Plants Watered
3	12
5	20
7	28

If this relationship is graphed with gallons on the x-axis and plants on the y-axis, what does the point (1, 4) represent?

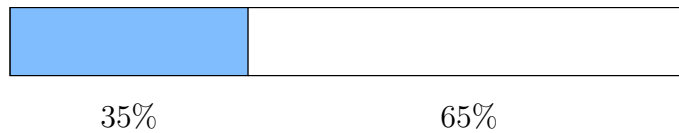
- A. 1 gallon waters 4 plants
- B. 4 gallons water 1 plant
- C. 1 plant needs 4 gallons
- D. 4 gallons water 4 plants



Scan me!  
For more practice  
& answers

7) What is 0.43 as a percent?

- A. 4.3%                       C. 0.43%
- B. 43%                         D. 430%



8) Total: 500 vehicles

A parking lot has 500 vehicles. The shaded portion represents trucks. How many trucks are in the lot?

- A. 150                               C. 250
- B. 175                               D. 325

9) A printer prints 30 pages in 5 minutes. At this rate, how many pages will it print in 12 minutes?

- A. 36                                 C. 90
- B. 60                                 D. 72

10) A jewelry maker has 0.75 kilograms of silver. How many grams of silver does she have?

- A. 7.5 grams                       C. 750 grams
- B. 75 grams                         D. 7,500 grams



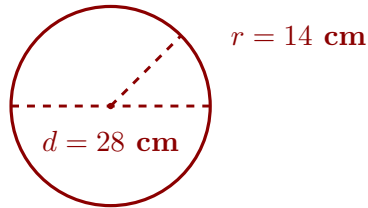
1) Divide:  $15.6 \div 2$

A. 7.8

C. 13.6

B. 78

D. 31.2



2)

What is the approximate area of a circle with diameter 28 cm? Use  $\pi \approx \frac{22}{7}$ .

A.  $88 \text{ cm}^2$

C.  $616 \text{ cm}^2$

B.  $264 \text{ cm}^2$

D.  $1232 \text{ cm}^2$

3) What is the difference between the population and the sample?

A. The population is smaller than the sample.

C. The population is the number of people; the sample is the data.

B. The population is the entire group being studied; the sample is a subset that is surveyed.

D. There is no difference.

4) A wooden crate has dimensions  $5\frac{1}{2}$  m, 2 m, and 4 m. What is its volume in cubic meters?



5) What does Mean Absolute Deviation (MAD) measure?

- A. How far each value is from the mean on average
- B. The middle value in the data set
- C. The difference between the max and min
- D. The most common value in the data set

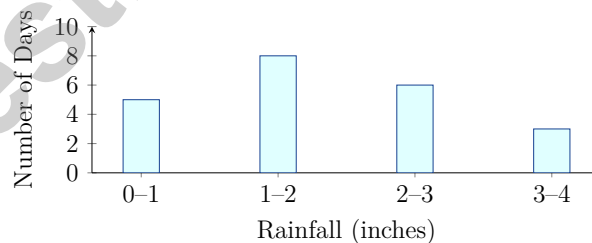
6) A box plot shows the distribution of test scores. The line inside the box marks the:

- A. Mean
- B. Range
- C. Mode
- D. Median

7) A student calculated the range of a data set as 50 and found the IQR to be 25. Which statement is always true?

- A. The IQR is larger than the range.
- B. The range is smaller than the IQR.
- C. Q1 and Q3 must be equal.
- D. The middle 50% of data spreads over 25 units.

8) A histogram displays rainfall data with bins: 0–1 inch: 5 days; 1–2 inches: 8 days; 2–3 inches: 6 days; 3–4 inches: 3 days. What is the most common rainfall range?



- A. 0–1 inch
- B. 1–2 inches
- C. 2–3 inches
- D. 3–4 inches



Scan me!  
For more practice  
& answers

1) A florist is arranging flowers into bouquets. She has 18 red roses and 24 white roses. If she uses all the flowers and each bouquet has the same number of red and white roses, what is the maximum number of bouquets she can make?

A. 6 bouquets

C. 18 bouquets

B. 8 bouquets

D. 42 bouquets

2) A student measured a trapezoid with bases of 14 m and 10 m and a height of 7 m. What is the area?

A.  $84 \text{ m}^2$

C.  $70 \text{ m}^2$

B.  $98 \text{ m}^2$

D.  $140 \text{ m}^2$

3) If  $|x| = 25$ , list both possible values of  $x$ .

4) Which decimal is equivalent to  $-\frac{7}{10}$ ? Write your answer as a decimal.



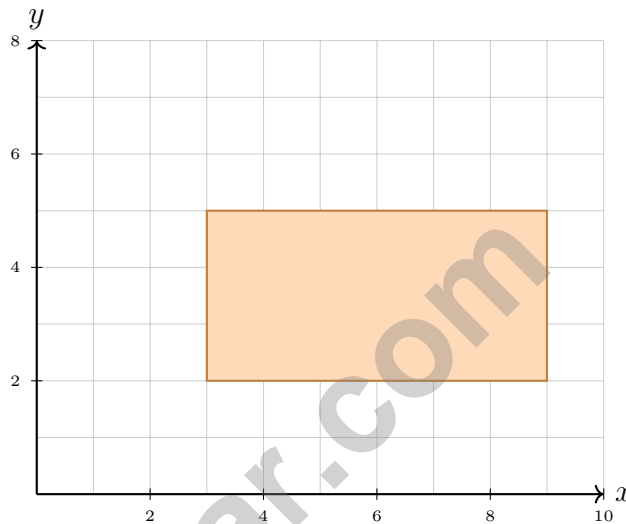
5) A rectangular prism has volume  $60 \text{ in}^3$ , length 5 in, and height 3 in. What is its width?

A. 2 in

B. 3 in

C. 4 in

D. 5 in



6)

A floor plan section is rectangular with corners at  $(3, 2)$ ,  $(9, 2)$ ,  $(9, 5)$ , and  $(3, 5)$ . What is its area?

A. 15 square units

B. 24 square units

C. 21 square units

D. 18 square units

7) A cube net is arranged as a straight line of 6 unit squares. Can this net fold into a valid cube?

A. Yes, it folds perfectly into a cube

B. No information given

C. Yes, but only if rotated first

D. No, it will overlap when folded



Scan me!  
For more practice  
& answers

**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 three printed Milestones tests with confident, thoughtful, and ready for the next challenge habits.

### Practice Test 1 Answers and Explanations

- 1) **Choice A is correct.** [6.NR.1.1](#) The distance between  $-8$  and  $-3$  is  $|-3 - (-8)| = |5| = 5$  units.
- 2) **Choice C is correct.** [6.PAR.6.5](#) Adding a deposit to an overdrawn balance:  $-35 + 50 = 15$  dollars.
- 3) **The correct answer is 4.** [6.NR.4.1](#) Flour is the 5-part amount. Since  $10 \div 5 = 2$ , each part is 2 cups, and sugar is 2 parts:  $2 \times 2 = 4$  cups.
- 4) **Choice A is correct.** [6.PAR.6.1](#) Apply the exponent first:  $3^2 = 9$ . Then add:  $2 + 9 = 11$ . The student incorrectly added before applying the exponent, treating it as  $(2 + 3)^2$ .
- 5) **Choice A is correct.** [6.PAR.8.4](#) Area of triangle =  $\frac{1}{2} \times \text{base} \times \text{height} = \frac{1}{2} \times 7 \times 5 = 17.5$  square units, not 35. The student forgot the division by 2.
- 6) **Choice A is correct.** [6.NR.4.2](#) On the graph with gallons on the x-axis and plants on the y-axis, the point  $(1, 4)$  means 1 gallon (x-value) corresponds to 4 plants watered (y-value). This shows the unit rate: 4 plants per gallon.
- 7) **Choice B is correct.** [6.NR.4.6](#) Multiply the decimal by 100:  $0.43 \times 100 = 43\%$ .
- 8) **Choice B is correct.** [6.NR.4.6](#)  $35\%$  of  $500 = 0.35 \times 500 = 175$  trucks.
- 9) **Choice D is correct.** [6.PAR.7.2](#) The unit rate is  $30 \div 5 = 6$  pages per minute. In 12 minutes the printer prints  $6 \times 12 = 72$  pages.
- 10) **Choice C is correct.** [6.NR.4.7](#) Multiply:  $0.75 \times 1000 = 750$  grams.
- 11) **Choice B is correct.** [6.NR.3.6](#) Discount amount:  $25\%$  of  $\$80 = 0.25 \times 80 = \$20$ . Sale price:  $\$80 - \$20 = \$60$ .
- 12) **Choice A is correct.** [6.NR.3.6](#) The ratio of distance to time is  $100/2 = 50$  and  $200/4 = 50$  mph, confirming constant speed. The proportional equation is  $d = 50t$ , not  $d = 100t$ .
- 13) **Choice D is correct.** [6.PAR.7.2](#) Comparing the percentages: 45%, 30%, 20%, and 5%, the smallest is 5% for Other.
- 14) **Choice D is correct.** [6.NR.2.1](#) Multiply:  $6 \text{ cm} \times 0.5 \text{ m/cm} = 3 \text{ m}$ .
- 15) **Choice C is correct.** [6.NR.1.2](#)  $\frac{5}{6} \div \frac{1}{12} = \frac{5}{6} \times 12 = \frac{60}{6} = 10$ .
- 16) **Choice A is correct.** [6.NR.1.2](#)  $3,675 \div 25 = 147$ . Each project receives 147 nails.
- 17) **Choice C is correct.** [6.NR.1.3](#) Double means multiply by 2:  $3.5 \times 2 = 7$  cups.
- 18) **The correct answer is  $4 : 6 = 2 : 3$  (dividing by 2) and  $4 : 6 = 8 : 12$  (multiplying by 2).** [6.NR.4.1](#) Nice checking: Choice A works because  $4 : 6$  simplifies to  $2 : 3$ , and Choice B works because multiplying both parts of  $4 : 6$  by 2 gives  $8 : 12$ . The other choices change the relationship.
- 19) **Choice B is correct.** [6.PAR.6.2](#) Factors of 18: 1, 2, 3, 6, 9, 18. Factors of 27: 1, 3, 9, 27. Factors of 45: 1, 3, 5, 9, 15, 45. Common to all three: 1, 3, 9. GCF is 9.
- 20) **Choice A is correct.** [6.PAR.6.2](#) GCF of 30 and 24 is  $2 \times 3 = 6$ . So  $30 \div 6 = 5$  and  $24 \div 6 = 4$ . So  $30 + 24 = 6(5 + 4)$ .
- 21) **Choice B is correct.** [6.NR.3.5](#) Moving left means subtracting. The number is  $-2 - 5 = -7$ .
- 22) **Choice C is correct.** [6.NR.3.2](#) Check each: A:  $2 = 2$  (equal). B:  $4 = 4$  (equal). C:  $3 \neq 5$  (NOT equal). D:  $6 = 6$  (equal).
- 23) **Choice B is correct.** [6.PAR.8.1](#) On the number line,  $-0.1$  is to the right of  $-0.9$ , making it greater.
- 24) **Choice A is correct.** [6.PAR.8.3](#) Points on the  $y$ -axis have  $x = 0$ . For the negative  $y$ -axis, the  $y$ -coordinate must be negative, so  $(0, -7)$  is correct.
- 25) **The correct answer is 40 miles per hour.** [6.NR.4.4](#) Divide distance by time:  $360 \div 9 = 40$  miles per hour.
- 26) **Choice D is correct.** [6.NR.3.4](#)  $-0.02$  is closer to zero than  $-0.2$ . Since  $-0.02 > -0.2$ , the answer is  $-0.02$ .
- 27) **Choice D is correct.** [6.PAR.8.3](#) Side length: 4 units. Perimeter:  $4 \times 4 = 16$  units.
- 28) **Choice B is correct.** [6.NR.1.2](#) Step 1:  $(-3) \times (-4) = 12$  (negative times negative is positive). Step 2:  $12 \times 2 = 24$  (positive times positive is positive). The student likely applied the sign rule incorrectly.



Scan me!  
For more practice  
& answers

Captain's Log

---

## Ahoy, Math Sailor!

◇ You sailed through 3 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 3 practice tests. You will reach safe harbor!

If you want to share something or ask a question, please email me at [jay@testinar.com](mailto:jay@testinar.com).

**Jay Daie**

Your Math Captain

# PRACTICE TODAY. SUCCEED TOMORROW!

This book includes 3 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:

- 3 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
- ✓ The Number System
- ✓ Expressions & Equations
- ✓ Geometry
- ✓ Fractions & Decimals
- ✓ Percents
- ✓ Statistics & Probability
- ✓ Data Analysis
- ✓ Measurement & Conversions
- ✓ And More!



## 2 ONLINE TESTS

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



VISIT [TESTINAR.COM/MATH6](https://www.testinar.com/math6)  
FOR MORE PRACTICE TESTS  
AND LEARNING RESOURCES



PRACTICE  
REGULARLY



STAY  
FOCUSED



SOLVE  
CONFIDENTLY



SUCCEED  
BRIGHTLY

PREPARE TODAY. **SUCCEED TOMORROW!**