

Georgia Milestones

GRADE 6 MATH PRACTICE TESTS

Standards Aligned Problem Solving
For Comprehensive Assessment Programs



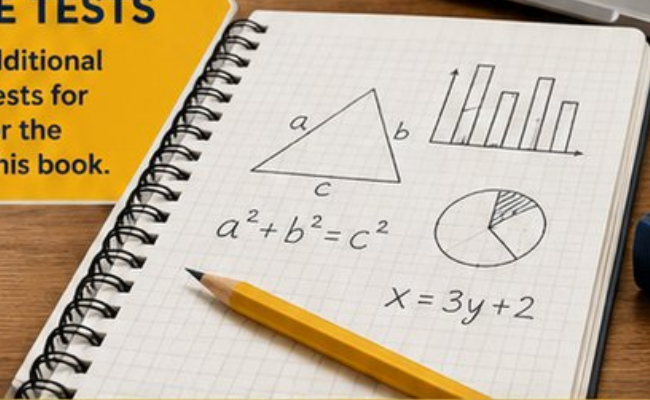
5 PRINTED TESTS

- ✓ Full-Length Practice Tests
- ✓ Realistic Questions
- ✓ Answer Key & Explanations



+ 2 ONLINE TESTS

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



PREPARE • PRACTICE • SUCCEED



5 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 4 5 6 7 8

5×8 $\frac{5}{6}$

5

complete Georgia practice rounds

Five 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!

Eight focused rounds using peach-state practice discipline

This book gives you five 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 five-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 3–4	Skill-building rounds with expressions, equations, geometry, data, and problem models.
Test 5	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) A soccer field has goal markers and corner flags arranged in a pattern. There are 9 goal markers and 3 corner flags. Which statement is NOT correct?
- A. The ratio of markers to flags is 9 : 3. C. For every 3 markers there is 1 flag.
 B. The simplified ratio is 3 : 1. D. For every 1 marker there are 3 flags.

Category	Budget A	Budget B
Housing	\$900	\$700
Food	\$300	\$250
Transportation	\$200	\$200
Savings	\$100	\$100

2)

Comparing the two budgets above, what is the difference in total monthly budgets?

- A. \$150 C. \$250
 B. \$200 D. \$300
- 3) A store has two cereal brands:

Brand	Size	Price
Honey Flakes	12 oz	\$3.60
Crispy Oats	16 oz	\$5.12

Which brand has the lower unit price per ounce?

- A. Honey Flakes at \$0.30/oz C. Crispy Oats at \$0.30/oz
 B. Honey Flakes at \$0.40/oz D. Crispy Oats at \$0.40/oz

- 4) A student guesses randomly on a 4-choice multiple choice question. What is the probability that the student's answer is correct? Express your answer as a decimal.

- 5) A backpack costs \$34.50. You have a coupon for \$7.25 off. How much will you pay?

- A. \$27.25 C. \$41.75
 B. \$26.25 D. \$27.50

- 6) What is the GCF of 26 and 39?

- A. 13 C. 39
 B. 26 D. 2

- 7) A submarine descends from the surface to a depth where its elevation is -340 meters. Which statement correctly describes this elevation?

- A. The submarine is 340 meters above sea level C. The submarine is at sea level
 B. The submarine is 340 meters below sea level D. The submarine's depth cannot be measured

- 8)



The diagram shows coral and green counters. What is the ratio of green to coral?

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



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9)

Bags	2	4	6	8
Apples	14	28	42	56

Based on the table, what is the unit rate in apples per bag?

- A. 5 apples per bag C. 14 apples per bag
 B. 7 apples per bag D. 28 apples per bag

10) A factory produces 24 widgets in 4 hours. The table shows equivalent production rates. What is the missing number of widgets?

Widgets	Hours
24	4
?	8
72	12

- A. 36 C. 60
 B. 64 D. 48

11) A recipe uses a 7:3 ratio of flour to baking powder. A graph with flour on the x-axis and baking powder on the y-axis contains the point (14, 6).

Is this point correct for the 7:3 ratio?

- A. Yes, because $14 \times 3 = 42$ C. No, because the ratio should be 7:14
 B. Yes, because $14 \div 7 = 2$ and $2 \times 3 = 6$ D. No, because the y-value should be 7



- 1) Two different scale drawings are made of the same object. Scale A is 1 inch = 5 feet, and Scale B is 1 inch = 10 feet. Which scale makes a larger drawing?
- A. Scale A (because the scale factor is smaller)
- B. Scale B (because it goes up to 10 feet)
- C. Both drawings are the same size
- D. It depends on the object being drawn
- 2) A company loses money at a rate of \$500 per month. How much money does the company lose over 6 months?

- 3) A dataset has 10 values. The smallest and largest values are removed, leaving 8 values. Which statement is always true?
- A. The new range is smaller
- B. The new median is higher
- C. The new mean is lower
- D. The new IQR must change
- 4) Which statement describes an **unlikely** event (probability between 0 and 0.5)?
- A. The probability is 0.9.
- B. The probability is 0.15.
- C. The probability is 0.6.
- D. The probability is 1.0.



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& answers

1) A teacher examines a stem-and-leaf plot and notices that all leaves for a particular stem are identical (e.g., stem 5 has leaves 3, 3, 3, 3). What does this indicate about the data?

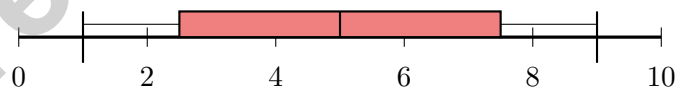
- A. The data is not properly organized C. The plot must contain an error
 B. Several data values are the same D. All data must be in the same range
(repeated data points)

2) A dot plot shows rainfall (in inches) recorded over several days. Based on the frequency table, what is the most common rainfall amount?

Rainfall (in)	Frequency
0.5	2
1.0	4
1.5	7
2.0	5
2.5	2

- A. 1.0 inch C. 2.0 inches
 B. 2.5 inches D. 1.5 inches

3) Use the box plot below. What is the IQR?



- A. 1.5 C. 5
 B. 3.5 D. 8



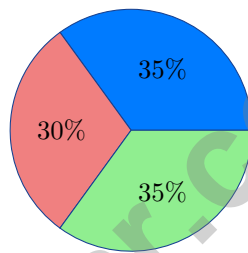
Scan me!
For more practice
& answers

4) Two classes compare their test results using box plots. Class 1: IQR = 10. Class 2: IQR = 25. Which is most accurate?

- A. Class 1 has more students
- B. Class 2 has higher test scores
- C. Class 1's middle 50% of scores are more tightly clustered
- D. Class 1 did better overall

5) Two fair coins are flipped. How many possible outcomes are there?

- A. 2
- B. 3
- C. 4
- D. 8



6)

The circle graph shows a total of 700 items. How many items are in the 30% section?

- A. 200
- B. 210
- C. 180
- D. 245

7) Maria surveyed her class about favorite sports: soccer, basketball, baseball, and tennis. The results were: soccer 12, basketball 8, baseball 7, tennis 3.

What is the PRIMARY purpose of using a bar graph to display this data?

- A. To compare counts across different categories
- B. To show how the data changes over time
- C. To display parts of a whole
- D. To reveal the median and quartiles



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

Practice Test 1 Answers and Explanations

- Choice D is correct.** (6.NR.4.1) The marker-to-flag ratio is 9 : 3, which simplifies to 3 : 1. That means for every 3 markers there is 1 flag, not the reverse.
- Choice C is correct.** (6.PAR.7.2) Budget A total: $\$900 + \$300 + \$200 + \$100 = \$1500$. Budget B total: $\$700 + \$250 + \$200 + \$100 = \$1250$. Difference: $\$1500 - \$1250 = \$250$.
- Choice A is correct.** (6.NR.4.5) Honey Flakes cost $3.60 \div 12 = \$0.30$ per ounce. Crispy Oats cost $5.12 \div 16 = \$0.32$ per ounce. Honey Flakes has the lower unit price.
- The correct answer is 0.25.** (6.NR.1.2) One correct choice out of 4 possible choices. Probability = $\frac{1}{4} = 0.25$.
- Choice A is correct.** (6.NR.1.3) Subtract: $\$34.50 - \$7.25 = \$27.25$.
- Choice A is correct.** (6.PAR.6.2) Factors of 26: 1, 2, 13, 26. Factors of 39: 1, 3, 13, 39. Common factors: 1, 13. GCF is 13.
- Choice B is correct.** (6.NR.3.5) A negative elevation means below sea level. An elevation of -340 meters means 340 meters below sea level.
- Choice D is correct.** (6.NR.4.1) The order is green to coral. Count 3 green counters and 4 coral counters, so the ratio is 3 : 4.
- Choice B is correct.** (6.NR.4.4) Divide apples by bags: $14 \div 2 = 7$ apples per bag.
- Choice D is correct.** (6.NR.4.2) The ratio is 24 : 4 or 6 : 1. For 8 hours: $6 \times 8 = 48$ widgets.
- Choice B is correct.** (6.NR.4.2) For a 7:3 ratio, if flour = 14, then the scale factor is $14 \div 7 = 2$. So baking powder = $3 \times 2 = 6$. The point (14, 6) is correct.
- Choice A is correct.** (6.NR.4.6) Shaded: 50 squares (5 rows \times 10 cols). Unshaded: 50 squares out of $100 = \frac{50}{100} = \frac{1}{2}$ in simplest form.
- Choice C is correct.** (6.NR.4.6) 50% of 160 = $0.50 \times 160 = 80$ apples.
- Choice C is correct.** (6.PAR.7.2) Unit price: $9 \div 3 = 3$ per notebook. For 7 notebooks: $3 \times 7 = 21$ dollars.
- Choice B is correct.** (6.NR.4.7) Multiply: $2 \times 8 = 16$ pints.
- Choice A is correct.** (6.NR.3.6) With only \$300 and needing \$800, Sophia should save more money first. Using a debit card would overdraw her account (negative balance), and using credit card debt for a purchase like this is not recommended at this grade level.
- Choice B is correct.** (6.NR.3.6) For constant $k = 2.5$: $y/x = 2.5$. When $x = 6$: $y/6 = 2.5$, so $y = 6 \times 2.5 = 15$.
- Choice C is correct.** (6.NR.2.1) The drawing shows 4 cm. Using the scale 1 cm = 2 ft: $4 \times 2 = 8$ feet.
- Choice B is correct.** (6.NR.1.2) $2\frac{1}{4} = \frac{9}{4}$ and $1\frac{1}{2} = \frac{3}{2}$, so $\frac{9}{4} \div \frac{3}{2} = \frac{9}{4} \times \frac{2}{3} = \frac{18}{12} = \frac{3}{2} = 1\frac{1}{2}$.
- Choice A is correct.** (6.NR.1.2) $8,712 \div 12 = 726$. The factory makes 726 light bulbs each day.
- Choice C is correct.** (6.PAR.6.2) Factors of 32: 1, 2, 4, 8, 16, 32. Factors of 48: 1, 2, 3, 4, 6, 8, 12, 16, 24, 48. Common factors: 1, 2, 4, 8, 16. GCF is 16.
- The correct answer is Right-skewed distribution with high outliers..** (6.NR.2.5) When mean (60) > median (55), the tail points right, pulled by high values. (A) A right-skewed distribution matches. (C) High values pull mean up. (B) is wrong—left skew would give mean < median. (D) is wrong—low values would pull mean down. (E) is wrong—symmetric means mean = median.
- The correct answer is 71.5.** (6.NR.2.5) In order: 67, 68, 71, 72, 74, 75. With 6 values, the median is the average of the 3rd and 4th values: $(71 + 72)/2 = 71.5$.
- Choice D is correct.** (6.NR.3.2) Both $|-7|$ and $|7|$ equal 7, so they are equal.
- Choice A is correct.** (6.PAR.8.1) $-1.2 = -\frac{12}{10} = -\frac{6}{5}$.



Star Player Pep Talk

Hi, Star Player!

◇ 5 practice tests. Every one of them was a chance to grow. You took every chance. That's why you're a math star today! ◇

★ **Star players know:** confidence comes from practice. You can't fake it. You build it. You built yours over 5 tests. It's real now! ★

Star Player Stats

- **Practice:** OFF THE CHARTS!
- **Skills:** BROAD! You can do many problem types.
- **Toughness:** HIGH! You don't quit on hard problems.
- **Game Plan:** READY! You know your strategies.

Star tip: on test day, take it one play at a time. One problem. Then the next. You will earn your stars!

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.

This book provides **5 full-length Math practice tests** designed to help Grade 6 students strengthen their skills, build confidence, and excel on standardized assessments.

Each test is carefully crafted to reflect the latest standards and covers a wide range of math topics with realistic questions and detailed answer explanations.



BUILD CONFIDENCE

Practice builds familiarity and reduces test anxiety.



IMPROVE ACCURACY

Sharpen skills and avoid common mistakes.



ACHIEVE SUCCESS

Consistent practice leads to greater results.

WHAT'S INSIDE?



5 Full-Length Practice Tests

Realistic tests designed to mirror actual exam conditions.



Realistic Questions

A variety of question types to strengthen problem-solving skills.



Answer Keys & Explanations

Detailed solutions to help students learn and improve.



Performance Tracking

Track progress and identify areas that need improvement.



Comprehensive Coverage

All essential topics aligned with Grade 6 math standards.



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FOR MORE PRACTICE TESTS AND LEARNING RESOURCES



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