

7 Georgia Milestones

7
PRINTED
TESTS
+
2
ONLINE
TESTS

Grade 6 MATH PRACTICE TESTS

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

Standards-Aligned *Steady Southern*
Problem Solving for Comprehensive
Assessment Program



7 Full-Length
Printed Tests



Standards-Aligned
Math Practice



Detailed Answer Keys
and Explanations



Build Confidence.
Achieve Success.



You've
Got
This!



PREPARE
PRACTICE
SUCCEED



PRACTICE
WITH PURPOSE



STRENGTHEN
MATH SKILLS



REVIEW, IMPROVE,
AND SUCCEED

7 Georgia Milestones Grade 6 Math Practice Tests

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



Seven 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 seven 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 seven-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 1–3	Foundation rounds for ratios, rational numbers, operations, and careful reading.
Tests 4–6	Skill-building rounds with expressions, equations, geometry, data, and problem models.
Test 7	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) Find $|0|$.

- A. 0
 B. -1

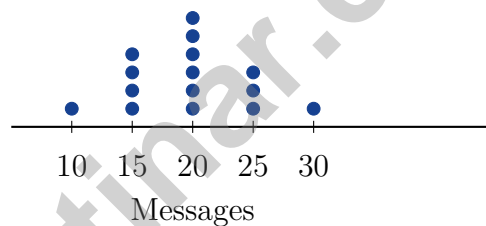
- C. 1
 D. Undefined

2) For a large data set, which measure of spread is often preferred when the data contains outliers?

- A. Range
 B. Interquartile range

- C. Mode
 D. Mean

3) A dot plot shows the number of text messages sent daily by people in a group chat. The frequencies are: 10 messages: 1; 15 messages: 4; 20 messages: 6; 25 messages: 3; 30 messages: 1. What is the median number of messages?

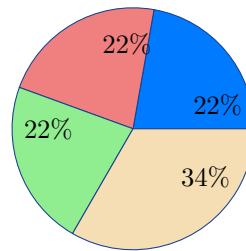


- A. 15 messages
 B. 17.5 messages

- C. 20 messages
 D. 22.5 messages

4) A submarine is at a depth of -85 meters. It rises by 30 meters. What is its new depth?

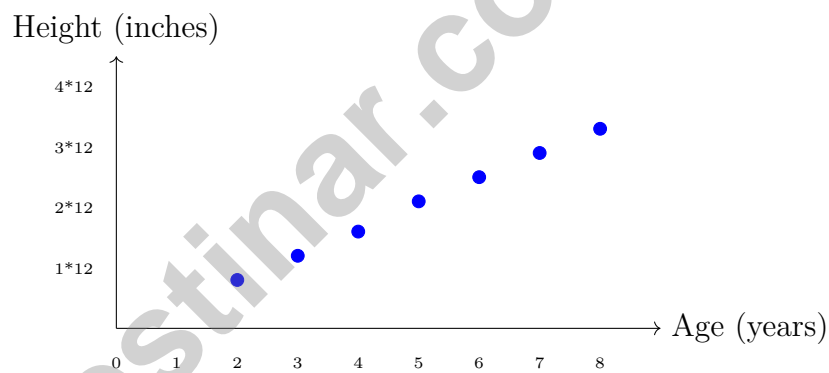




5)

A circle graph shows that three sections each represent approximately 22% and one section represents approximately 34%. If the total is 450 items, how many items are in the largest section?

- A. 99
- C. 150
- B. 130
- D. 170



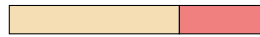
6)

This scatter plot shows the relationship between children’s ages and heights. What type of correlation does the data show?

- A. Negative correlation
- C. No correlation
- B. Strong positive correlation
- D. Perfect negative correlation



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7) Wheat Coral

The bar model shows wheat and coral sections. If the total bar represents 15 units, and the ratio is 2 : 1, how many units are in the wheat section?

- A. 5 units C. 7.5 units
 B. 3 units D. 10 units

8) A gym membership fee is less than or equal to \$50 per month. Which inequality represents the fee f ?

- A. $f > 50$ C. $f \leq 50$
 B. $f \geq 50$ D. $f < 50$

9) Find the area of a triangle with vertices forming an obtuse angle, base 13 m, and perpendicular height 6 m.

- A. 19 m^2 C. 78 m^2
 B. 39 m^2 D. 156 m^2

10) A rectangular prism has length 4 ft, width 3 ft, and height $2\frac{1}{2}$ ft. What is its volume?

- A. 9.5 ft^3 C. 30 ft^3
 B. 24 ft^3 D. 60 ft^3

11) A rectangle has vertices at $(0, 0)$, $(5, 0)$, $(5, 3)$, and $(0, 3)$. What is its area?

- A. 8 square units C. 16 square units
 B. 12 square units D. 15 square units



1) Which two graphs represent equivalent inequalities?

Graph 1: Open circle at -1 , arrow pointing right.

Graph 2: Closed circle at -1 , arrow pointing right.

Graph 3: Open circle at -1 , arrow pointing left.

Graph 4: Closed circle at 4 , arrow pointing right.

A. Graphs 1 and 2

C. Graphs 2 and 4

B. Graphs 1 and 3

D. None of the above

2) A table shows the relationship between drawing measurements and actual measurements.

Drawing (inches)	Actual (feet)
1	8
2	16
3	?

What is the actual measurement for 3 inches on the drawing?

A. 20 feet

C. 30 feet

B. 24 feet

D. 32 feet

3) Which shows the correct placement of the decimal point?

$32 \times 15 = 480$ with decimals: $3.2 \times 1.5 = ?$

A. 48.0

C. 480

B. 0.480

D. 4.80



4) What is the prime factorization of 100?

A. 2×5^2

C. 4×25

B. $2^2 \times 5^2$

D. 10×10

5) A mountain peak is at an elevation of 3500 feet above sea level. A valley floor is at an elevation of -800 feet. What is the difference in elevation?

A. 2700 feet

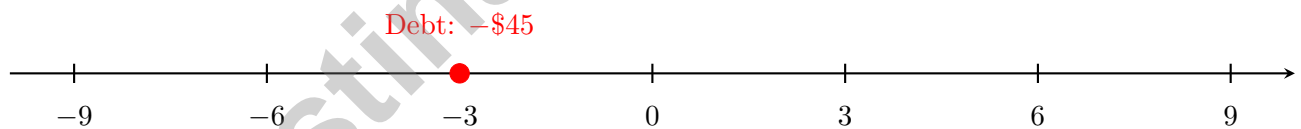
C. 3500 feet

B. 4300 feet

D. 800 feet

6) A machine produces 420 items in 7 hours. At this rate, how many items will the machine produce in 12 hours?

7)



A bank account has a balance of $-\$45$. What does this represent in terms of absolute value?

A. The account has \$45 owed

C. The account has \$45 in savings

B. The account has \$45 deposited

D. The account is zero

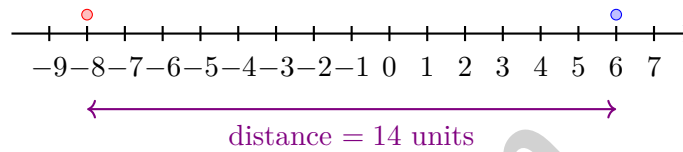


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6) Which statement about the number line is FALSE?

- A. Negative numbers are to the left of zero
- B. The integer -10 is less than -5
- C. The number 0 is both positive and negative
- D. All positive integers are greater than all negative integers

7) Which number line shows the distance between -8 and 6 ?



- A. Distance is 2 units
 - B. Distance is 8 units
 - C. Distance is 14 units
 - D. Distance is 22 units
- 8) Which ratio is equivalent to $5 : 15$?
- A. $1 : 2$
 - B. $5 : 10$
 - C. $10 : 30$
 - D. $1 : 3$
- 9) A photographer takes photos at a constant rate. The table shows photos taken over different days. If this pattern continues, how many photos will be taken in 5 days?

Photos	Days
15	1
45	3
?	5

- A. 60
- B. 70
- C. 80
- D. 75



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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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Georgia Practice Test Answers and Explanations

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

Practice Test 1 Answers and Explanations

- Choice A is correct.** **(6.NR.3.2)** The absolute value of zero is zero. Zero is its own distance from zero on the number line.
- Choice B is correct.** **(6.NR.2.4)** The IQR focuses on the middle 50% of data and ignores extreme outliers, making it more robust than range when outliers are present.
- Choice C is correct.** **(6.NR.2.2)** Total frequency: $1 + 4 + 6 + 3 + 1 = 15$. The median is the 8th value. Counting: $1 + 4 = 5$ (at 15 msg); continuing to 20 msg gives $5 + 6 = 11$. The 8th value is in the 20 message group.
- The correct answer is -55.** **(6.NR.1.2)** Starting depth: -85 meters. After rising: $-85 + 30 = -55$ meters.
- Choice C is correct.** **(6.NR.1.2)** 34% of 450 is $0.34 \times 450 = 153 \approx 150$ items. (Note: exact percentages round to 22.222...% and 33.333...%.)
- Choice B is correct.** **(6.NR.2.2)** The points follow a clear upward trend from left to right: as age increases, height increases. The points are closely aligned, indicating a strong relationship.
- Choice D is correct.** **(6.NR.4.1)** The whole bar has $2 + 1 = 3$ equal ratio parts. Each part is $15 \div 3 = 5$ units, and wheat is 2 parts: $2 \times 5 = 10$ units.
- Choice C is correct.** **(6.PAR.7.4)** "Less than or equal to" directly translates to the \leq symbol: $f \leq 50$.
- Choice B is correct.** **(6.GSR.5.1)** $A = \frac{1}{2} \times 13 \times 6 = 39 \text{ m}^2$.
- Choice C is correct.** **(6.GSR.5.3)** Volume = $L \times W \times H = 4 \times 3 \times 2.5 = 30 \text{ ft}^3$.
- Choice D is correct.** **(6.PAR.8.4)** Length = 5 units; width = 3 units. Area = $5 \times 3 = 15$ square units.
- The correct answer is 36.** **(6.PAR.6.1)** First $2 \times 3 = 6$, then $6^2 = 36$.
- Choice D is correct.** **(6.NR.1.2)** A probability of $\frac{1}{36} \approx 0.028$ is very close to 0, making the event unlikely to occur.
- Choice B is correct.** **(6.NR.2.5)** Values range from 24 to 35, covering stem 2 (20s: 24, 26, 28, 29) and stem 3 (30s: 31, 32, 35).
- Choice A is correct.** **(6.PAR.6.4)** Substitute $x = \frac{2}{3}$: $3(\frac{2}{3} - 2) + 4 = 3(-\frac{4}{3}) + 4 = -4 + 4 = 0$.
- Choice D is correct.** **(6.PAR.7.2)** The bar model shows two parts: n and 8. The total is their sum: $n + 8$.
- Choice A is correct.** **(6.PAR.7.1)** Divide both sides by 6: $x = 36 \div 6 = 6$.
- Choice B is correct.** **(6.PAR.7.4)** "At least" means "greater than or equal to," so $w \geq 15$.
- The correct answer is Both true:** $-5 < -2$ (five is further left) and $\frac{1}{3} > -\frac{1}{3}$ (positive > negative).. **(6.NR.3.4)** A is true because -5 is farther left than -2. C is true because a positive number is greater than a negative number. B, D, and E are false.
- Choice D is correct.** **(6.PAR.8.2)** Gallons filled equals the rate of 8 gallons per minute times the number of minutes: $g = 8m$.
- Choice B is correct.** **(6.GSR.5.1)** Width: $8 - 2 = 6$ units. Height: $6 - 1 = 5$ units. Area = $6 \times 5 = 30$ square units.
- Choice D is correct.** **(6.NR.4.1)** Start with flour to sugar: 12 : 8. Divide both parts by the GCF, 4, to get 3 : 2.
- Choice D is correct.** **(6.NR.4.4)** From the double number line, 1 foot equals 12 inches. This is the standard conversion rate.
- Choice A is correct.** **(6.NR.4.5)** $6 \div 24 = 0.25$ cups per serving.
- Choice D is correct.** **(6.NR.3.5)** A negative balance means the account owes money. An account balance of $-\$42$ means the account is overdrawn (or in debt) by \$42.
- The correct answer is 48.** **(6.PAR.6.4)** Substitute $t = 3$: $4(3 + 9) = 4 \times 12 = 48$.
- Choice D is correct.** **(6.PAR.8.3)** Distance on map: $|7 - 2| = 5$ units. Actual distance: $5 \times 20 = 100$ meters.



Star Player Pep Talk

Hi, Star Player!

◇ 7 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 7 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

MASTER 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 7 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.



PERFECT FOR:

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

★ PRACTICE TODAY.
SUCCEED 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.



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.



7 FULL-LENGTH
PRINTED TESTS



STANDARDS-
ALIGNED PRACTICE



DETAILED ANSWER
KEYS & EXPLANATIONS