

# 7

# Georgia

## Milestones

### Grade 3 MATH

### PRACTICE TESTS

Standards-Aligned Practice with  
Review, Answer Keys, and Explanations



7 Full-Length  
Practice Tests



Standards-Aligned  
Math Practice



Detailed Answer Keys  
and Explanations



Build Confidence.  
Achieve Success.

PREPARE  
PRACTICE  
SUCCEED



$4 \times 6 = 24$



# 7 Georgia Milestones Grade 3 Math Practice Tests

*Standards-Aligned Practice with Review, Answer Keys, and Explanations*



Seven complete 30-question practice trails for Grade 3 math:  
operations, fractions, measurement, data, area, shapes, answer keys,  
and clear explanations for every item.

**Jay Daie and Reza Nazari**



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# Welcome to the Seven Math Trails

Seven full tests, seven fresh chances, and one braver Grade 3 thinker



Read the trail. Mark the clues. Solve with care.

## To the Grade 3 Math Trail Leader

This book gives you seven complete practice trails for the Georgia Milestones. Each trail is a full 30-question test, so students can practice accuracy, stamina, and clear explanations over time.

Georgia has peach orchards, pine forests, city streets, coastal marshes, and warm classroom energy, where careful steps matter. Strong math follows that same path: notice the question, choose a tool, show the work, and check facts before making a final choice.

### Scout

Find what the problem is asking before you calculate.

### Solve

Pick an equation, model, array, graph, or number line.

### Prove

Check the answer and explain the thinking clearly.

**Seven-trail promise:** I will work with patience, use my scratch space wisely, and let every correction make my next test stronger.

# How to Use This Book

## A seven-trail routine for steady Grade 3 growth

Use one practice trail at a time. The goal is not to rush through more pages. The goal is to finish, check, repair, and bring a stronger habit to the next test. For Georgia students, each trail moves through peach orchards, pine forests, city streets, coastal marshes, and warm classroom energy: steady, alert, and ready for the next clue.

1. **Preview the tools.** Skim the reference page before each test.
2. **Take one test.** Work steadily and mark problems that need another look.
3. **Check the key.** Use the compact answer boxes first.
4. **Study explanations.** Read missed items and lucky guesses.
5. **Redo three problems.** Rewrite the work cleanly without copying.
6. **Name one habit.** Choose a focus such as labels, facts, fractions, or checking.
7. **Start the next trail.** Bring that habit into the next full test.

**Best review habit:** A missed problem is a trail marker. It shows where to slow down, look again, and choose a better step.



## What Is Inside?

Seven complete practice tests with review support

Part	What You Do	Why It Helps
Practice Tests 1–7	Solve seven different 30-question tests.	Build stamina and see Grade 3 skills mixed together.
Reference Materials	Review measurement and time facts before each test.	Keep common tools close without turning pages backward.
Answer Keys	Check each answer in compact boxes.	Find mistakes quickly without losing your place.
Explanations	Read why each answer works.	Turn missed items into a clear next step.
Standards Reference	See how Georgia Grade 3 standards connect to practice.	Understand the skills behind the questions.

Each test has 26 multiple-choice questions, 1 select-all question, and 3 open-ended questions. This gives students practice with quick decisions, careful reading, and short written math answers for the Georgia Milestones path.



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1)

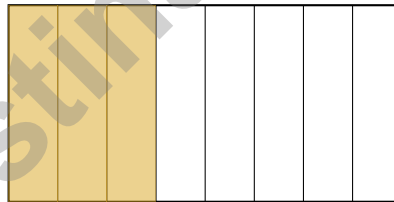
Bag	Mass
Apples	4 kg
Oranges	2500 g

Which bag is heavier?

- A. The apples (4 kg)                       C. Both bags weigh the same  
 B. The oranges (2500 g)                 D. Cannot be determined
- 2) Ben's line plot shows student heights in inches with halves: 55,  $55\frac{1}{2}$ , 56,  $56\frac{1}{2}$ . There are 1 X at 55 inches, 2 X's at  $55\frac{1}{2}$  inches, 3 X's at 56 inches, and 2 X's at  $56\frac{1}{2}$  inches. How many students are exactly 56 inches or taller?

- A. 3     C. 5  
 B. 4     D. 6

- 3) A rectangle is divided into 8 equal parts. Noah shades  $\frac{3}{8}$  of the rectangle. How many parts does he shade?



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



4) If Ava eats  $\frac{2}{4}$  of a bar divided into halves, how many halves did she eat?

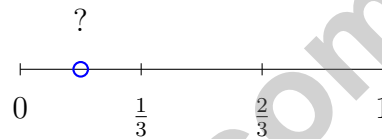
5) If a number line from 0 to 1 has 8 equal parts, how far is the fifth tick from 0?

A.  $\frac{1}{8}$

B.  $\frac{4}{8}$

C.  $\frac{5}{8}$

D.  $\frac{8}{8}$



6)

The blue dot is halfway between 0 and  $\frac{1}{3}$ . Which comparison is true?

A. The dot  $> \frac{1}{3}$

B. The dot  $< \frac{1}{3}$

C. The dot  $= \frac{2}{3}$

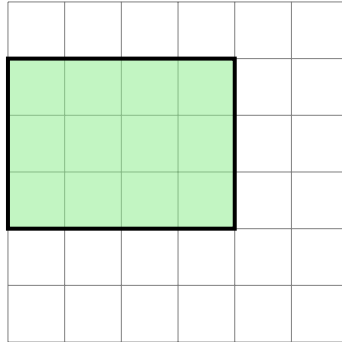
D. The dot  $= 0$

7) Find  $\frac{9}{3}$ .



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8) Look at the shaded region on the grid. Count all unit squares to find the area.



- A. 9 square units                       C. 10 square units  
 B. 12 square units                     D. 15 square units

9) Which shape would NOT be classified as a quadrilateral?

- A. Pentagon                                 C. Trapezoid  
 B. Parallelogram                         D. Rectangle

10) Round 650 to the nearest 100. (This is a special case where tens digit is 5.)

- A. 600                                       C. 700  
 B. 650                                       D. 750

11) Mia groups coins into 9 piles of 10 coins each. Use the place-value chart to show the total.

Tens	Ones
9	0

What is the total number of coins?

- A. 19                                         C. 910  
 B. 109                                       D. 90



1) Which of these shows tiling that proves  $3 \times 9 = 3 \times (5 + 4)$ ?

- A. Two rectangles with width 3: one is  $3 \times 5$ , the other is  $3 \times 4$ 
 C. A single rectangle  $3 \times 9$   
 B. Two rectangles with width 2: one is  $2 \times 5$ , the other is  $2 \times 4$ 
 D. Two rectangles with length 9: one is  $9 \times 3$ , the other is  $9 \times 2$

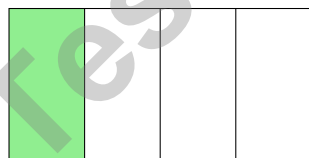
2) A bar graph shows inches of rainfall. Each unit on the scale represents 10 inches. If a bar is 3 units tall, how many inches of rainfall does it represent?



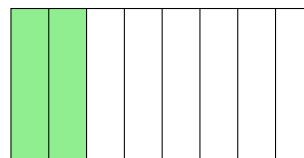
3) Noah divides a toy block into 4 equal sections. What is the name of one section?

- A. One-half
  C. One-fourth  
 B. One-third
  D. One-sixth

4) Two identical rectangular gardens are shown. Garden 1 has  $\frac{1}{4}$  planted with flowers. Garden 2 has  $\frac{2}{8}$  planted with flowers. Do the flower sections cover the same area?



Garden 1:  $\frac{1}{4}$  flowers



Garden 2:  $\frac{2}{8}$  flowers

- A. The gardens are different sizes.
  C. No, Garden 1 has more.  
 B. No, Garden 2 has more.
  D. Yes, same amount.





1) Which split could show  $6 \times (4 + 3) = (6 \times 4) + (6 \times 3)$ ?

- A. Two rectangles share a 6-unit side; the other sides are 4 and 3
- B. Two rectangles have no matching side lengths
- C. One rectangle is not split into parts
- D. One rectangle is split into three unrelated parts

2) What whole number is  $\frac{6}{6}$ ?

- A. 6
- B. 0
- C. 1
- D. 3

3) Which fraction is equivalent to  $\frac{1}{2}$ ?

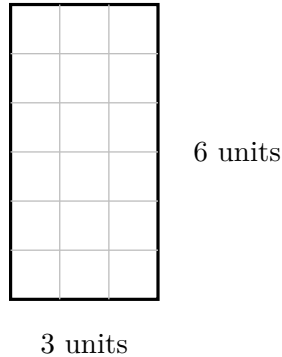
- A.  $\frac{1}{4}$
- B.  $\frac{2}{4}$
- C.  $\frac{2}{3}$
- D.  $\frac{1}{3}$

4) A bar graph shows the scale as 5 items per unit. If a bar is 4 units tall, it represents how many items?

- A. 4 items
- B. 9 items
- C. 20 items
- D. 25 items



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5)

Count the unit squares. What is the area?

- A. 9 sq units                       C. 12 sq units  
 B. 18 sq units                     D. 36 sq units

6) What is  $63 \div 9$ ?

- A. 6                                       C. 8  
 B. 9                                       D. 7

7) A glass of water weighs 250 grams. A glass of milk weighs 280 grams. How much heavier is the glass of milk?

- A. 20 g                                   C. 250 g  
 B. 30 g                                   D. 530 g



## Practice Test Answer Keys

**How to use this section with a Grade 3 student:**

1. check the answer first
2. mark questions to try again
3. rework the problem before reading the full explanation

**A calm correction routine turns every missed item into useful practice.**

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## Practice Test Answers and Explanations

### Practice Test 1 Answers and Explanations

- 1) **Choice A is correct.** **(3.MDR.5.5)**  $4 \text{ kg} = 4000 \text{ g}$ , which is more than 2500 g.
- 2) **Choice C is correct.** **(3.MDR.5.4)** 56 inches or taller includes 56 and  $56\frac{1}{2}$ ; that is  $3 + 2 = 5$  students.
- 3) **Choice B is correct.** **(3.NR.4.1)**  $\frac{3}{8}$  of a rectangle divided into 8 parts means shading 3 parts.
- 4) **The correct answer is 1.** **(3.NR.4.4)**  $\frac{2}{4} = \frac{1}{2}$ , so she ate 1 half.
- 5) **Choice C is correct.** **(3.NR.4.1)** Each step is one eighth. Five steps from 0 land at  $\frac{5}{8}$ .
- 6) **Choice B is correct.** **(3.NR.1.2)** The blue dot is halfway between 0 and  $\frac{1}{3}$ , so it represents  $\frac{1}{6}$ . Since  $\frac{1}{6} < \frac{1}{3}$ , the dot is to the left of  $\frac{1}{3}$ .
- 7) **The correct answer is 3.** **(3.NR.4.4)**  $\frac{9}{3} = 3$ .
- 8) **Choice B is correct.** **(3.GSR.7.3)** The shaded rectangle is 4 units wide and 3 units tall.  $4 \times 3 = 12$  square units.
- 9) **Choice A is correct.** **(3.GSR.7.2)** A pentagon has 5 sides, so it is not a quadrilateral. A quadrilateral must have exactly 4 sides.
- 10) **Choice C is correct.** **(3.NR.1.3)** The tens digit is 5. Since  $5 \geq 5$ , round up: 650 rounds to 700.
- 11) **Choice D is correct.** **(3.PAR.3.5)** The chart shows 9 tens and 0 ones, which represents  $9 \times 10 = 90$  coins.
- 12) **Choice D is correct.** **(3.GSR.8.2)** Left side:  $7 \times 5 = 35$  sq units. Right side:  $3 \times 2 = 6$  sq units. Total:  $35 + 6 = 41$  sq units.
- 13) **Choice B is correct.** **(3.PAR.2.2)** Step 1: Cookies per bag:  $42 \div 6 = 7$  cookies. Step 2: Remaining bags:  $6 - 2 = 4$  bags. Total in remaining:  $7 \times 4 = 28$  cookies. Choice B is clearest with parentheses.
- 14) **Choices B and E are correct.** **(3.PAR.3.3)** This problem shows the associative property. When you group factors differently, like  $(4 \times 6) \times 2$  or  $4 \times (6 \times 2)$ , you still get the same product. Option B states the name correctly, and E restates what associative means. A is commutative (switching order), C is distributive (breaking apart a sum), and D relates to multiplying by 1.
- 15) **Choice A is correct.** **(3.PAR.3.7)** We can check:  $7 \times 8 = 56$ . Sam is correct.
- 16) **Choice D is correct.** **(3.PAR.2.2)** Ones:  $5 + 8 = 13$  (write 3, carry 1). Tens:  $6 + 1 + 1 = 8$ . Hundreds:  $2 + 2 = 4$ . Correct answer is 483, not 475.
- 17) **Choice B is correct.** **(3.MDR.5.5)** 8 square units is larger than 7, 6, or 4 square units.
- 18) **Choice A is correct.** **(3.MDR.5.5)**  $4 \times 4 = 16$  sq in. The other choices do not equal 16.
- 19) **The correct answer is 48.** **(3.MDR.5.2)** From 2 : 17 to 3 : 05 is 48 minutes.
- 20) **Choice B is correct.** **(3.PAR.3.5)** Area = width  $\times$  height =  $12 \times 6 = 72$  square inches.
- 21) **Choice D is correct.** **(3.NR.4.1)** 3 boxes with 7 pencils in each box means 3 groups of 7. So  $3 \times 7 = 21$  pencils.
- 22) **Choice D is correct.** **(3.PAR.3.7)** A bar model dividing a total into equal parts shows division. 30 split into 5 equal parts means each part is  $30 \div 5 = 6$ .
- 23) **Choice B is correct.** **(3.NR.4.4)** Multiply numerator and denominator by 2:  $\frac{1 \times 2}{3 \times 2} = \frac{2}{6}$ .
- 24) **Choice B is correct.** **(3.MDR.5.1)** First bar:  $4 \times 5 = 20$ . Second bar:  $2 \times 5 = 10$ . Difference:  $20 - 10 = 10$ .
- 25) **Choice D is correct.** **(3.NR.4.1)**  $12 \div 2 = 6$ . The 12 cars are shared equally into 2 rows.
- 26) **Choice B is correct.** **(3.PAR.2.2)** The circle is divided into 4 equal parts. One part is shaded, so the shaded fraction is  $\frac{1}{4}$  (one-fourth).
- 27) **Choice D is correct.** **(3.PAR.3.2)** Skip-counting by 3s: 0, 3, 6, 9. So  $3 \times 3 = 9$ .
- 28) **Choice D is correct.** **(3.PAR.3.2)** Odd  $\times$  odd always gives an odd number. For example:  $1 \times 1 = 1$ ,  $3 \times 3 = 9$ ,  $5 \times 7 = 35$ .
- 29) **Choice B is correct.** **(3.PAR.3.4)** With length 5 and width 4, you add the width 4 five times:  $4 + 4 + 4 + 4 + 4 = 20$ . This equals  $5 \times 4 = 20$  square units.
- 30) **Choice A is correct.** **(3.PAR.3.7)** Multiply: 6 baskets  $\times$  7 apples per basket = 42 apples.



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## Hi, Hero!

◇ Once there was a Grade 3 student who took 7 practice tests. At first, the math was tricky. But this student kept showing up, kept trying, and kept learning. By the end, the student became a math hero. That hero is you! ◇

★ **Storytellers know:** every story has a hard middle. The hard middle is where heroes grow. You lived your hard middle. Your story ends with confidence! ★

### Your Hero Toolkit

- **Brave Heart:** You try hard problems.
- **Sharp Mind:** You think carefully before you act.
- **Steady Hand:** You write neatly and check.
- **Kind Spirit:** You are patient with yourself.

**Storyteller tip:** on test day, remember the hero you became. The chapters before today made you stronger. Now write your best chapter!

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 Storyteller

# PRACTICE TODAY. MASTER TOMORROW.

This book is designed to help **Grade 3** students strengthen their math skills through focused practice and real progress.

- ✓ 7 full-length practice tests
- ✓ Aligned to Grade 3 standards
- ✓ Build confidence and achieve success
- ✓ Review, answer keys, and explanations



## EACH PRACTICE TEST INCLUDES:



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