

8

Rhode Island

RICAS

GRADE 4

PRACTICE TESTS



1

$$2 \times 3 = 6$$

3

5

$$2 \times 3 = 6$$

2

4



**Standards-Aligned Review with
Mixed Practice and Answer Key**

**COMPREHENSIVE
TEST PREP**

Includes Solutions

8 Rhode Island RICAS Grade 4 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Eight complete 30-question Grade 4 practice rounds for RICAS, built around bay harbors, small-state focus, and neat answer checks, with answer keys and clear explanations for every item.

Jay Daie and Reza Nazari



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Welcome, Rhode Island Math Explorer!

Eight steady rounds on the Ocean State math route

This book gives you eight full Grade 4 practice tests for RICAS. Each round uses bay harbors, small-state focus, and neat answer checks to keep practice memorable while you read carefully, choose a strategy, show work, and check the answer.

Rhode Island Practice Promise

I will slow down for the question, circle what matters, solve one step at a time, and use mistakes as clues for getting stronger.

Read

Plan

Check

How to Use This Book

A ten-session routine for Rhode Island RICAS review

1. **Preview the skills.** Read the quick review pages before the first test.
2. **Take one test at a time.** Treat each round like a stop on the Ocean State math route.
3. **Mark your confidence.** Put a small star beside problems you solved with a strong plan.
4. **Check, then retry.** For missed questions, try the problem again before reading the explanation.
5. **Track your next move.** Use the growth log to name one habit and one skill for the next test.

Good rhythm: Test one day, correct carefully the next day, then return for the next round when your corrections feel clear.



What Is Inside?

Eight tests, 240 questions, and a full RICAS review path

Part	What You Will Practice
Tests 1–3	Warm-up rounds for reading carefully, choosing operations, and using models.
Tests 4–6	Skill-building rounds with fractions, measurement, area, data, and two-step problems.
Tests 6–8	Stamina rounds for mixed review, neat work, and flexible strategies.
Answer Pages	Compact keys and explanations that show why each answer works.

The tests are mixed on purpose. Real test readiness means recognizing the skill even when the next question changes topic.



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1) What is $\frac{7}{10} - \frac{3}{10}$?

A. $\frac{4}{20}$

B. $\frac{4}{10}$

C. $\frac{10}{10}$

D. $\frac{3}{10}$

2)

4 times

Jasmine has 20 stickers. Jasmine has 4 times as many stickers as her friend. How many stickers does her friend have?

A. 4

B. 16

C. 12

D. 5

3) Write $\frac{47}{100}$ as a decimal.

A. 0.047

B. 0.47

C. 4.7

D. 47.0

4) Diego has one chocolate bar. He gives $\frac{1}{6}$ of the bar to his sister. Which amount is larger: the original bar or what Diego has left?

 A. The original bar B. What Diego has left C. They are the same D. Cannot determine

5) A pot has 8 cups of soup. Two friends share the soup equally. How many cups does each person get?

A. 2 cups

B. 4 cups

C. 6 cups

D. 8 cups



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6) A bottle of shampoo contains 5 liters. How many milliliters is this?

- A. 500 C. 50,000
 B. 5,000 D. 500,000

7) Which multiplication sentence matches $\frac{4}{10}$?

- A. $10 \times \frac{1}{4}$ C. $6 \times \frac{1}{10}$
 B. $4 \times \frac{1}{10}$ D. $\frac{1}{4} \times 10$

8) Three angles meet at a vertex. Two of the angles measure 47° and 53° . Together, what do these two angles measure?

9) Order these from least to greatest: 0.90, 0.09, 0.99, 0.19.

- A. 0.09, 0.19, 0.90, 0.99 C. 0.99, 0.90, 0.19, 0.09
 B. 0.09, 0.90, 0.19, 0.99 D. 0.19, 0.09, 0.99, 0.90

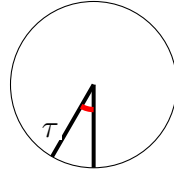
10) Round 52,834 to the nearest hundred.

- A. 53,000 C. 52,900
 B. 52,834 D. 52,800

11) Noah mixed together 3 batches of paint. Each batch is $\frac{1}{6}$ gallon. How many gallons of paint does Noah have?

- A. $\frac{1}{6}$ gallon C. $\frac{4}{6}$ gallon
 B. $\frac{2}{6}$ gallon D. $\frac{1}{2}$ gallon (same as $\frac{3}{6}$)





12)

What is the measure of angle τ in the diagram?

 A. 30° C. 60° B. 45° D. 90°

13) In the number 6,217, which digit is in the tens place?

 A. 6 C. 1 B. 2 D. 7

14) Select the TWO correct answers. Which fractions can be written as the sum

$$\frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8}?$$

 A. $\frac{5}{8}$ B. $\frac{8}{5}$ C. Five unit fractions of eighths D. $\frac{1}{40}$ E. $\frac{5}{10}$

15) Diego reads 16 pages of a book each day. If he reads for 5 days, how many pages does he read?

 A. 21 C. 70 B. 110 D. 80

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1) Simplify $\frac{2}{8}$.

2) A bake sale made 1,800 cookies. They filled boxes with 9 cookies in each box. How many full boxes were made?

A. 100

C. 200

B. 150

D. 250

3) An angle measures 75° . This angle must be:

A. Obtuse

C. Acute

B. A straight angle

D. A right angle

4) Which fraction is not equivalent to $\frac{1}{3}$, $\frac{1}{3}$, $\frac{2}{6}$, $\frac{3}{9}$, or $\frac{2}{5}$?

5) A water bottle holds 750 milliliters. How much water is in 2 bottles?

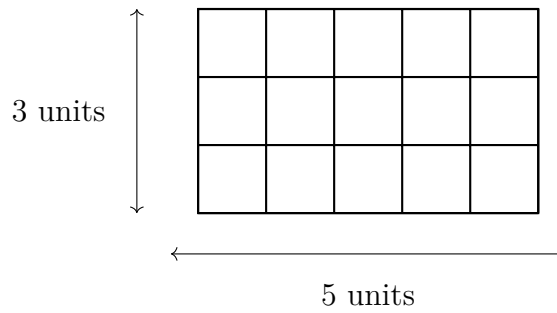
A. 375 mL

C. 1,500 mL

B. 750 mL

D. 2,250 mL





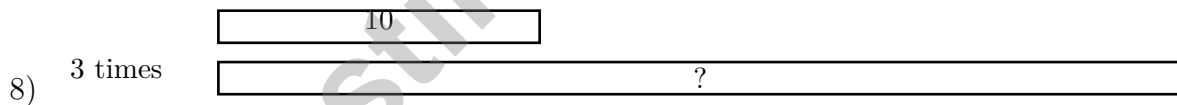
6)

What is the perimeter of the rectangle shown?

- A. 16 units
- C. 8 units
- B. 15 units
- D. 30 units

7) When a student computed $3 \times \frac{2}{5}$, they wrote $\frac{5}{5}$. What is the student's likely mistake?

- A. Added $3 + 2$ instead of multiplying 3×2
- C. Correctly simplified the product
- B. Changed the denominator from 5 to 10
- D. Counted the units incorrectly



A garden has 10 rose bushes. A park has 3 times as many rose bushes. How many rose bushes does the park have?

- A. 13
- C. 30
- B. 27
- D. 35



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Practice Test Answer Keys

How to use this section with a Grade 4 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 B is correct.** (4.NF.B.3) Subtraction with same denominator: $7 - 3 = 4$, keep the denominator. Answer: $\frac{4}{10}$.
- 2) **Choice D is correct.** (4.OA.A.2) We know Jasmine's 20 stickers are 4 times the friend's amount. To find the smaller amount, divide: $20 \div 4 = 5$ stickers.
- 3) **Choice B is correct.** (4.NF.C.5) Hundredths fill the second decimal place. $\frac{47}{100} = 0.47$, so the answer is **0.47**.
- 4) **Choice A is correct.** (4.NF.A.1) Diego started with the whole bar ($\frac{6}{6}$). After giving $\frac{1}{6}$ away, he has $\frac{5}{6}$ left. The original ($\frac{6}{6}$) is larger.
- 5) **Choice B is correct.** (4.MD.A.2) There are 8 cups of soup for 2 friends. Divide equally: $8 \div 2 = 4$ cups. Each person gets **4** cups.
- 6) **Choice B is correct.** (4.MD.A.1) Since 1 liter = 1,000 milliliters, multiply: $5 \times 1,000 = 5,000$ mL. The answer is **5,000** mL.
- 7) **Choice B is correct.** (4.NF.B.4) The fraction $\frac{4}{10}$ is the same as 4 copies of $\frac{1}{10}$. We write this multiplication as $4 \times \frac{1}{10}$.
- 8) **The correct answer is 100.** (4.MD.C.7) When two angles combine, add their measures: $47^\circ + 53^\circ = 100^\circ$.
- 9) **Choice A is correct.** (4.NF.C.5) Compare the tenths place: $0 < 1 < 9$. For the two with tenths = 9, compare hundredths: $0 < 9$, so $0.90 < 0.99$.
- 10) **Choice D is correct.** (4.NBT.A.3) We're rounding to the nearest hundred. Look at the tens digit: 3. Since $3 < 5$, we round DOWN. The hundreds digit stays at 8, giving us **52,800**. ✓
- 11) **Choice D is correct.** (4.NF.B.4) Three batches of $\frac{1}{6}$ gallon each: $3 \times \frac{1}{6} = \frac{3}{6}$, which is the same as $\frac{1}{2}$.
- 12) **Choice A is correct.** (4.MD.C.5) The angle spans between two rays in the lower portion of the circle, measuring **30°**.
- 13) **Choice C is correct.** (4.NBT.A.1) In 6,217, counting from the right: ones is 7, tens is 1, hundreds is 2, thousands is 6. The tens place contains **1**. ✓
- 14) **The correct answer is A, C.** (4.NF.B.3) Count the unit fractions: five $\frac{1}{8}$'s equal $\frac{5}{8}$ (choice A). Choice C also correctly describes this as "five unit fractions of eighths." Choice B reverses numerator and denominator. Choices D and E use wrong denominators.
- 15) **Choice D is correct.** (4.NBT.B.5) Split 16: $5 \times (10 + 6) = 50 + 30 = 80$ pages.
- 16) **Choice B is correct.** (4.NF.B.3) Start with whole parts: $3 - 1 = 2$. For fractions: $\frac{3}{4} - \frac{2}{4} - \frac{3}{4} = \frac{3}{4} - \frac{5}{4}$. Since the fractions are being subtracted from a whole (this becomes 2 wholes minus fractions), regroup: $2\frac{3}{4} = 1\frac{7}{4}$, then $1\frac{7}{4} - \frac{5}{4} = 1\frac{2}{4}$.
- 17) **Choice C is correct.** (4.G.A.3) A square is perfectly balanced four ways: two lines pass through the centers of opposite sides (up/down and left/right), and two lines pass through opposite corners (diagonals). The answer is **4** lines of symmetry.
- 18) **Choice C is correct.** (4.MD.A.3) Carpet needed = $14 \times 10 = 140$ sq ft.
- 19) **Choice D is correct.** (4.OA.A.3) Two steps! Step 1: add the new shipment: $100 + 35 = 135$ apples. Step 2: take away the ones sold: $135 - 42 = 93$ apples left.
- 20) **Choice A is correct.** (4.MD.C.6) The baseline of the angle starts at 0° on the right. Follow the second ray until it crosses the degree scale—it lines up perfectly with the 45-degree mark. The answer is **45** degrees.
- 21) **The correct answer is $\frac{55}{100}$.** (4.NF.C.5) First, change $\frac{2}{10}$ to hundredths: $\frac{2}{10} = \frac{20}{100}$. Now add: $\frac{20}{100} + \frac{35}{100} = \frac{55}{100}$.
- 22) **Choice C is correct.** (4.G.A.2) A parallelogram is defined by having two pairs of opposite sides that are equal and parallel. A figure is a rectangle only when it also has four right angles at each corner. The answer is **C**.
- 23) **The correct answer is 8,000.** (4.NBT.A.2) The digit 8 occupies the thousands place. Its value: $8 \times 1,000 = 8,000$ ✓
- 24) **Choice C is correct.** (4.NF.A.1) Bars A and B show the same shaded length: $\frac{1}{2} = \frac{2}{4}$ (multiply numerator and denominator by 2). Bar C shows $\frac{2}{6}$, which is smaller—not equivalent.
- 25) **Choice D is correct.** (4.OA.A.1) Read $12 = 3 \times 4$ in words: "12 equals 3 groups of 4." That's the same as saying "12 is 3 times as many as 4." The other choices use *more*, *plus*, or *less*—those describe adding or subtracting, not multiplying.
- 26) **Choice A is correct.** (4.MD.C.5) The small angle reaches the first degree mark at 9° , containing **9** one-degree angles.



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Notes From the Math Gardener

Hi, Math Gardener!

◇ Look at how much you grew! 8 tests is like 8 weeks of taking care of your math garden. Every problem was a seed. Every try was water. ◇

★ **Gardeners say:** growth takes time. You can't see roots, but they are there. You can't always feel smarter, but you are. Your math garden is full! ★

Garden Check-Up

- **Roots:** STRONG! Your basic math is solid.
- **Stems:** STURDY! You can do step-by-step problems.
- **Leaves:** GREEN! You have lots of math tools.
- **Flowers:** BRIGHT! You feel proud of your work.

Gardener tip: keep watering your math garden long after the test. Every habit you built will grow with you for years!

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

Jay Daie

Your Math Gardener

8 PRACTICE TESTS. PREPARE. PRACTICE. SUCCEED!

This **Grade 4 Math Practice Tests** book is designed to help students build strong math skills, master essential concepts, and boost confidence for success in the classroom and beyond.

Featuring 8 full-length practice tests, a variety of question types, and detailed answer explanations, this book provides the practice and support students need to improve accuracy, strengthen problem-solving abilities, and achieve their best.

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

PERFECT FOR:

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

★ CONFIDENCE IN MATH.
SUCCESS FOR LIFE.

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.



Test Confidence

Become familiar with test-style questions and formats.



Track Progress

Measure growth across multiple practice tests.



Academic Success

Strengthen skills needed for future learning.

TOPICS COVERED

- ✓ Place Value & Number Sense
- ✓ Multi-Digit Addition & Subtraction
- ✓ Multiplication & Division
- ✓ Fractions & Equivalent Fractions
- ✓ Geometry & Shapes
- ✓ Measurement & Data
- ✓ Perimeter & Area
- ✓ Word Problems
- ✓ Patterns & Algebraic Thinking
- ✓ Graphs & Data Interpretation
- ✓ Mathematical Reasoning
- ✓ And More! ★



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