7

Rhode Island

RICAS

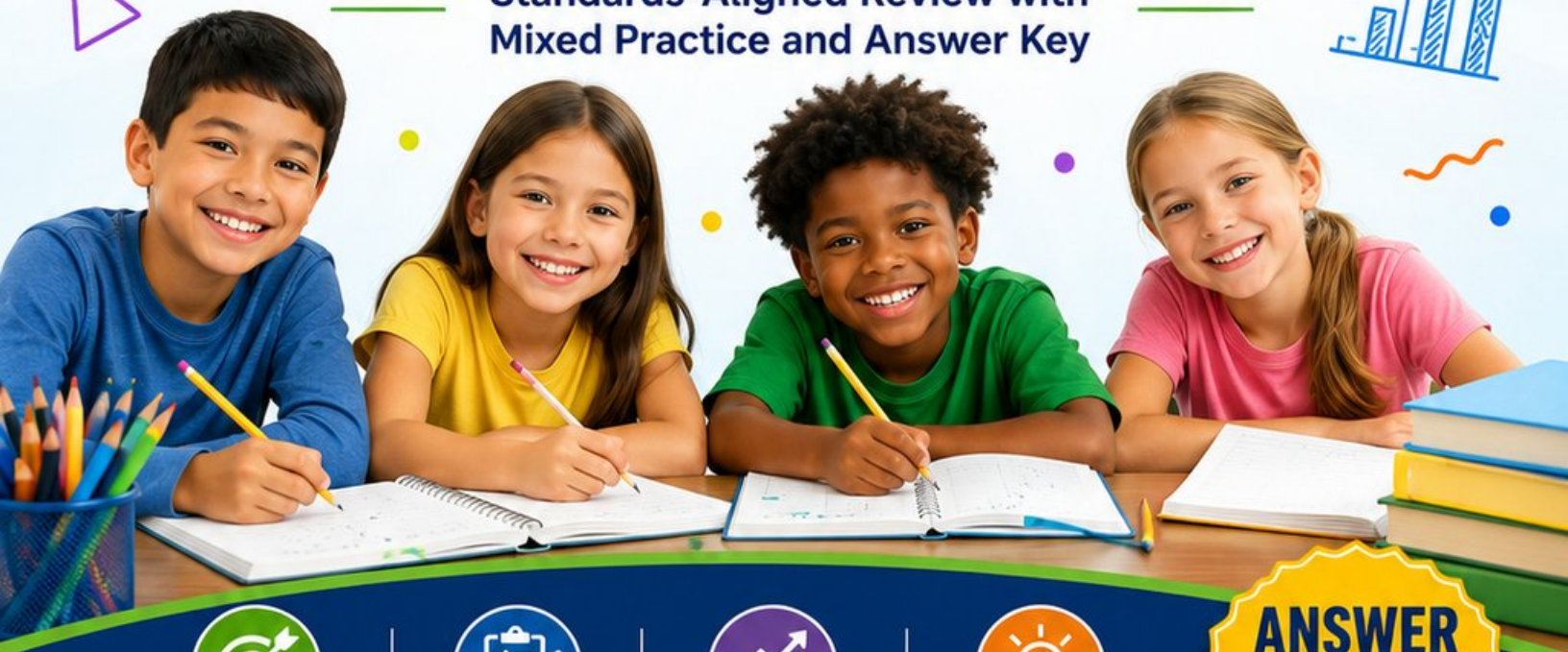
GRADE 4 MATH

PRACTICE TESTS

25
+37
62

8 × 7
=
56

Standards-Aligned Review with
Mixed Practice and Answer Key

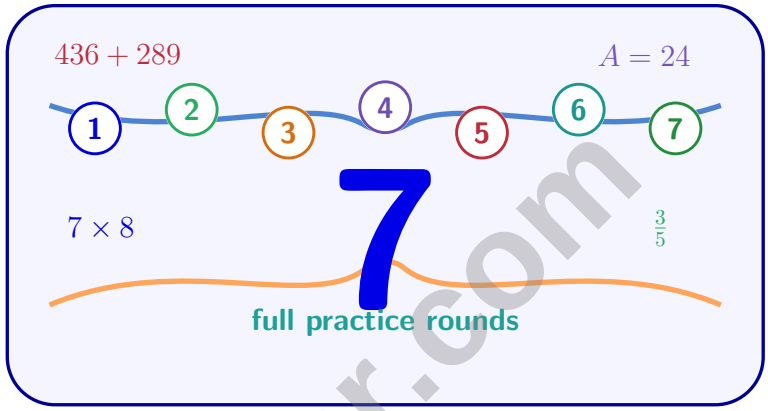


- 7 Full-Length Practice Tests
- Standards-Aligned
- Build Confidence and Skills
- Mixed Question Types

ANSWER KEY INCLUDED

7 Rhode Island RICAS Grade 4 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Seven 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!

Seven steady rounds on the Ocean State math route

This book gives you seven 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.

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?

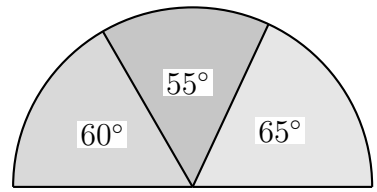
Seven tests, 210 questions, and a full RICAS review path

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 5–7	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.

Table of Contents

1) Look at the pie chart diagram. Three slices have angles of 65°, 55°, and 60°.



What is the combined angle measure of these three slices?

☐ A. 120°
☐ B. 180°
☐ C. 145°
☐ D. 200°

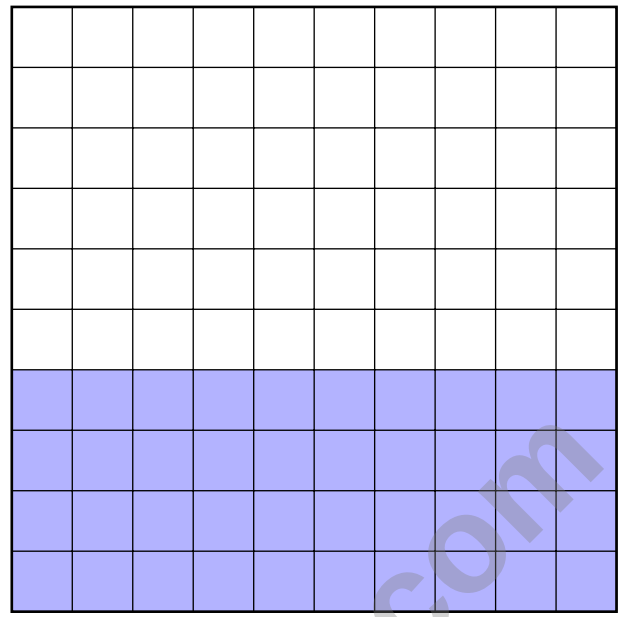
2) Maya measured her pencil and found it is 15 centimeters long. How many millimeters is this?

☐ A. 1.5
☐ B. 15
☐ C. 150
☐ D. 1,500

3) Write $\frac{5}{10}$ as an equivalent fraction with denominator 100.

☐ A. $\frac{5}{100}$
☐ B. $\frac{50}{100}$
☐ C. $\frac{500}{100}$
☐ D. $\frac{50}{10}$

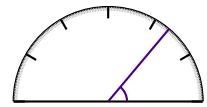
4) Look at the grid below. The shaded squares represent a fraction.



Which fraction and decimal both represent the shaded amount?

☐ A. $\frac{4}{10}$ and 0.04
☐ B. $\frac{40}{100}$ and 0.4
☐ C. $\frac{4}{100}$ and 0.4
☐ D. $\frac{40}{10}$ and 4.0

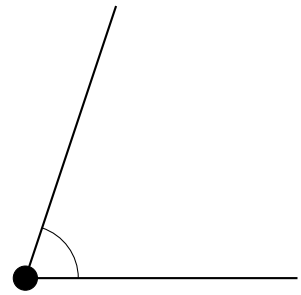
5)



What is the measure of the angle shown?

☐ A. 45 degrees
☐ B. 55 degrees
☐ C. 60 degrees
☐ D. 50 degrees

6)



A straight angle measures 180 degrees. Is this angle more or less than 180 degrees?

☐ A. More than 180 degrees
☐ B. Exactly 180 degrees
☐ C. Less than 180 degrees
☐ D. Cannot tell from the picture

7) A toy store has 100 action figures. A craft store has 2 times as many action figures. How many action figures does the craft store have?

☐ A. 102
☐ B. 150
☐ C. 300
☐ D. 200

8) Grace drives 12 kilometers from home to school. Then she drives from school to the library, a distance that is 8 kilometers farther than the home-to-school trip. How many kilometers does she drive in total?

☐ A. 4 km
☐ B. 20 km
☐ C. 32 km
☐ D. 12 km

9) What is 14,285 rounded to the nearest ten?

☐ A. 14,280
☐ B. 14,200
☐ C. 14,300
☐ D. 14,290

1) How many degrees larger is 145° than 55°?

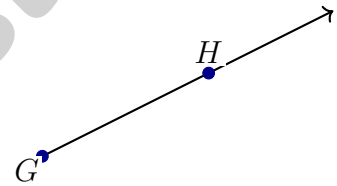
2) An error analysis: A student added $\frac{2}{4}+\frac{3}{4}$ and got $\frac{5}{8}$. What did the student do wrong?

☐ A. Added the denominators instead of keeping them the same.
☐ B. Subtracted instead of added.
☐ C. Forgot to simplify.
☐ D. Used the wrong denominator in the answer.

3) Noah measured an angle and found it has 75 one-degree angles. What is the measure of the angle?

☐ A. 75°
☐ B. 150°
☐ C. 7.5°
☐ D. 750°

4) Which statement about Ray GH is correct?



☐ A. The ray ends at point H
☐ B. The ray extends in both directions
☐ C. The ray starts at G and continues forever
☐ D. The ray stops between G and H

5) Which expression shows $\frac{3}{5}$ as a sum of unit fractions?

☐ A. $\frac{1}{5} + \frac{1}{5}$
☐ B. $\frac{1}{5} + \frac{1}{5} + \frac{1}{5}$
☐ C. $\frac{3}{5} + \frac{3}{5} + \frac{3}{5}$
☐ D. $\frac{3}{5}$

6) Which fraction equals $6 \times \frac{1}{8}$?

☐ A. $\frac{1}{8}$
☐ B. $\frac{6}{8}$
☐ C. $\frac{6}{48}$
☐ D. $\frac{1}{48}$

7) Ava's garden is a rectangle. It is 18 feet long and 12 feet wide. She wants to put a fence around it. How many feet of fencing does she need?

☐ A. 30 ft
☐ B. 60 ft
☐ C. 216 ft
☐ D. 120 ft

8) A baker makes muffins in batches. She makes 6 batches, each with 24 muffins. If she sells muffins in boxes of 9, how many boxes can she fill completely?

☐ A. 15
☐ B. 17
☐ C. 18
☐ D. 16 boxes

9) What is the standard form of $400{,}000 + 80{,}000 + 3{,}000 + 200 + 0 + 1$?

☐ A. 483,021
☐ B. 483,210
☐ C. 408,301
☐ D. 483,201

1) Add: $6{,}234 + 3{,}456 = ?$

2) Look at the bar diagram. What is the total of both bars?

☐ A. 7
☐ B. 10
☐ C. 20
☐ D. 12

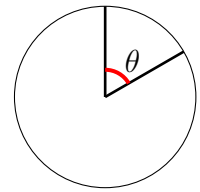
3) Compare the angles shown. Which statement is true?

Angle A

Angle B

☐ A. Angle A is larger than Angle B
☐ B. Angle B is larger than Angle A
☐ C. Both angles are equal
☐ D. Cannot be determined from the diagram

4)



What is the measure of angle θ shown in the diagram?

☐ A. 30°
☐ B. 45°
☐ C. 60°
☐ D. 90°

5) $\frac{4}{5}$ is equivalent to $\frac{?}{20}$. What is the missing numerator?

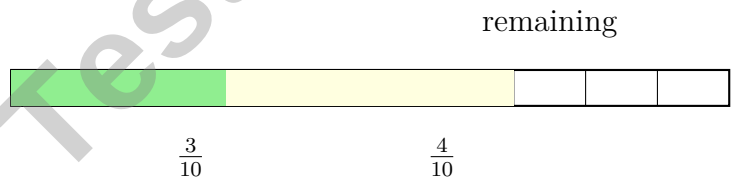
☐ A. 12
☐ B. 24
☐ C. 18
☐ D. 16

6) Expand 2,814 using the place-value model:

Thousands	Hundreds	Tens	Ones
2	8	1	4

☐ A. $2{,}000 + 8{,}000 + 14$
☐ B. $2{,}000 + 80 + 14$
☐ C. $2 + 8 + 1 + 4$
☐ D. $2{,}000 + 800 + 10 + 4$

7)



A garden bed uses $\frac{3}{10}$ for vegetables and $\frac{4}{10}$ for flowers. The rest will be herbs. What fraction is for herbs?

☐ A. $\frac{3}{10}$
☐ B. $\frac{7}{10}$
☐ C. $\frac{1}{10}$
☐ D. $\frac{6}{10}$

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.

Practice Test Answers and Explanations

Practice Test 1 Answers and Explanations

1) **Choice B is correct.** 4.MD.C.7 The pie chart shows three slices. Add their angle measures: $65° + 55° + 60° = \mathbf{180}°$.
2) **Choice C is correct.** 4.MD.A.1 Since 1 centimeter = 10 millimeters, multiply: $15 \times 10 = 150$ mm. The answer is **150** mm.
3) **Choice B is correct.** 4.NF.C.5 Multiply both the numerator and denominator by 10: $\frac{5}{10} \times \frac{10}{10} = \frac{50}{100}$.
4) **Choice B is correct.** 4.NF.C.5 The grid shows 40 shaded squares out of 100 total. This is $\frac{40}{100} = \frac{4}{10} = 0.4$.
5) **Choice D is correct.** 4.MD.C.6 The ray lines up perfectly with the 50° mark on the protractor. Since 50° is between 45° and 60° and less than 90°, it's an acute angle. The answer is **50** degrees.
6) **Choice C is correct.** 4.MD.C.5 This angle is not a straight line, so it measures less than 180 degrees. It is much smaller than a straight angle.
7) **Choice D is correct.** 4.OA.A.2 "2 times as many" means multiply by 2: $2 \times 100 = 200$ action figures.
8) **Choice C is correct.** 4.MD.A.2 Step 1: The second trip is 8 km farther than 12 km, so $12 + 8 = 20$ km. Step 2: Total distance is $12 + 20 = 32$ km. Grace drives **32** kilometers.
9) **Choice D is correct.** 4.NBT.A.3 We're rounding to the nearest ten. Look at the ones digit: 5. Since $5 \geq 5$, we round UP! The tens digit changes from 8 to 9, giving us **14,290**. ✓
10) **Choice C is correct.** 4.OA.A.3 Two steps! Step 1: find how many cookies are left after giving some away. $50 - 14 = 36$ cookies. Step 2: equal bags means divide: $36 \div 4 = 9$ cookies per bag.
11) **Choice D is correct.** 4.NF.A.1 All have numerator 1, so compare denominators: bigger denominators mean smaller pieces. Order: $4 < 3 < 2$, so $\frac{1}{4} < \frac{1}{3} < \frac{1}{2}$.
12) **Choice C is correct.** 4.OA.A.1 When you see "times as many," think *multiplication*! "6 times as many as 4" becomes 6×4, which equals 24. So choice C, $24 = 6 \times 4$, is the equation that captures that idea.
13) **Choice A is correct.** 4.MD.C.5 Divide the degrees by 360: $\frac{45}{360} = \frac{1}{8}$ (simplifying by 45). Answer: $\mathbf{\frac{1}{8}}$.
14) **Choice A is correct.** 4.NF.C.5 Compare tenths: $5 > 3$. Among the two with tenths = 5, compare hundredths: $5 > 3$, so $0.55 > 0.53$. Among the two with tenths = 3, compare hundredths: $5 > 3$, so $0.35 > 0.33$.
15) **The correct answer is A, D.** 4.NBT.B.6 Use long division: $15 \div 8 = 1$ r7, bring down the 1 to get $71 \div 8 = 8$ r7, bring down the 2 to get $72 \div 8 = 9$. The quotient is 189 with no remainder. Statements A and D are correct (each site gets exactly 189 bricks, and the quotient is 189). Statements B, C, and E are incorrect because there is no remainder, each site gets 189 not 190, and the first step has the wrong remainder.
16) **Choice C is correct.** 4.NF.B.4 $6 \times \frac{1}{10} = \frac{6}{10}$, so they"re exactly equal!
17) **Choice D is correct.** 4.NBT.A.1 In any number, the thousands place is always 10 times the hundreds place. Example: in 2,222, thousands is 2,000 and hundreds is 200; $2{,}000 \div 200 = \mathbf{10}$ times. ✓
18) **Choice C is correct.** 4.MD.A.3 The grid shows 6 units by 2 units. Area $= 6 \times 2 = 12$ sq units.
19) **Choice C is correct.** 4.MD.C.5 A full turn all the way around a point is 360°, made of **360** one-degree angles.
20) **Choice A is correct.** 4.NBT.B.4 In the ones place, $4 < 6$, so we must regroup. The tens place is zero, so regroup from hundreds. Then subtract carefully. The answer is **4,748**.
21) **Choice C is correct.** 4.G.A.2 A parallelogram is defined as a quadrilateral with two pairs of parallel sides. The blue and red arrows in the figure mark these two pairs of parallel sides. The answer is **C**.
22) **The correct answer is** 319,502. 4.NBT.A.2 Thousands: 319 → 319,000. Ones: 502 → 502. Combined: $319{,}000 + 502 = 319{,}502$ ✓
23) **Choice B is correct.** 4.NF.B.4 Six rolls of tape, each with $\frac{1}{8}$ meter, contain $6 \times \frac{1}{8} = \frac{6}{8}$, which simplifies to $\frac{3}{4}$ meters.
24) **Choice A is correct.** 4.NBT.B.5 Use place value: $46 \times (10 + 2) = 460 + 92 = \mathbf{552}$ widgets.
25) **Choice B is correct.** 4.G.A.1 The vertex is simply the corner point where the two rays come together to form the angle — it's like the tip of a pencil or the corner of a piece of paper.
26) **The correct answer is** 9. 4.NF.B.4 The numerator 9 tells us how many unit fractions. Since the unit fraction is $\frac{1}{10}$, we have $9 \times \frac{1}{10} = \frac{9}{10}$.
27) **Choice B is correct.** 4.NF.B.3 The paper strip is divided into 3 equal parts, and all 3 are colored. So the whole strip is colored: $\frac{3}{3}$. As unit fractions: $\mathbf{\frac{1}{3}} + \mathbf{\frac{1}{3}} + \mathbf{\frac{1}{3}}$.

Hi, Hero!

◇ Once there was a Grade 4 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.

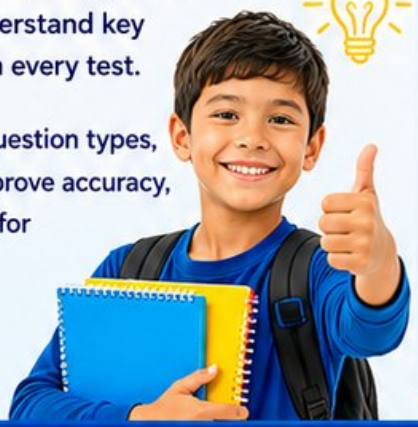
Jay Daie

Your Math Storyteller

7 FULL-LENGTH TESTS TO MASTER GRADE 4 MATH!

This **Grade 4 Math Practice Tests** book provides the practice your child needs to build strong math skills, understand key concepts, and gain the confidence to succeed on every test.

With 7 full-length practice tests, a wide range of question types, and detailed answer explanations, students will improve accuracy, strengthen problem-solving abilities, and prepare for classroom success and beyond.



PERFECT FOR:

- Classroom Practice
- Homework & Review
- Independent Learning
- Test Preparation
- Confidence Building
- 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
- Decimals & Comparing Numbers
- Geometry & Shapes
- Measurement & Data
- Perimeter & Area
- Word Problems
- Patterns & Algebraic Thinking
- Graphs & Data Interpretation
- And More!

Visit **testinar.com/math4** for additional Grade 4 math resources and practice materials.

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 Practice Tests
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