

9

$$256 \div 8 = 32$$



$$48 \times 7 = 336$$

Rhode Island RICAS

GRADE 4

MATH

PRACTICE TESTS

Standards-Aligned Review with
Mixed Practice and Answer Key



**9 FULL-LENGTH
PRACTICE TESTS**



**STANDARDS-ALIGNED
REVIEW**



**MIXED PRACTICE
BUILD SKILLS & CONFIDENCE**



**ANSWER KEY
FOR ALL TESTS**



$$\frac{3}{4} + \frac{1}{4} = 1$$



$$725 - 358 = 367$$

PREPARE
PRACTICE
SUCCEED
PERFORM

**PRACTICE TODAY.
SUCCEED TOMORROW.**

9 Rhode Island RICAS Grade 4 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Nine 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!

Nine steady rounds on the Ocean State math route

This book gives you nine 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?

Nine tests, 270 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 7–9	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) Which of the following is a prime number?

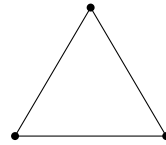
A. 9

C. 17

B. 15

D. 21

2) Look at the triangle. Which type is it?



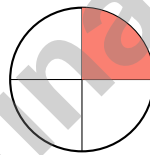
A. Right triangle

C. Acute triangle

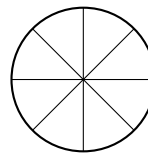
B. Obtuse triangle

D. Right obtuse triangle

3) Two circles are the same size. The first circle shows $\frac{1}{4}$ shaded. How much of the second circle needs to be shaded to show an equivalent fraction with 8 equal parts?



Circle 1



Circle 2

A. 1 part

C. 3 parts

B. 4 parts

D. 2 parts

4) Which letter has a line of symmetry?

A. *F*

C. *A*

B. *L*

D. *G*



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5) Which fraction is between $\frac{4}{10}$ and $\frac{6}{10}$ on a number line?

A. $\frac{45}{100}$

B. $\frac{35}{100}$

C. $\frac{75}{100}$

D. $\frac{30}{100}$

6) A recipe needs 32 ounces of milk. The baker has 50 ounces. After making the recipe, how many ounces are left?

7) Solve: $\frac{1}{3} + \frac{2}{3} = ?$

A. $\frac{3}{6}$

B. $\frac{1}{3}$

C. $\frac{3}{3}$ or 1

D. $\frac{2}{6}$

8) A bakery made 40 cookies yesterday. Today they made 2 times as many cookies. How many cookies did they make today?

A. 42

B. 60

C. 100

D. 80

9) Which equation shows $\frac{11}{12}$ as a sum of two fractions?

A. $\frac{6}{12} + \frac{5}{12}$

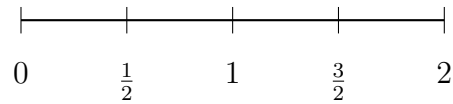
B. $\frac{7}{12} + \frac{3}{12}$

C. $\frac{8}{12} + \frac{2}{12}$

D. $\frac{9}{12} + \frac{1}{12}$



10) Maya drew a number line with hops of $\frac{1}{2}$. How many hops to go from 0 to $\frac{3}{2}$?



- A. 1 hop C. 3 hops
 B. 2 hops D. 4 hops

11) What is $1,764 \div 4$?

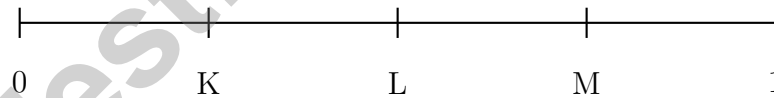
- A. 441 C. 451
 B. 431 D. 461

12) Look at the place-value chart. What is the total value of all the digits shown?

Thousands	Hundreds	Tens	Ones
3	5	2	6

- A. 2,356 C. 5,326
 B. 3,625 D. 3,526

13) Where is 0.55 located on this number line?

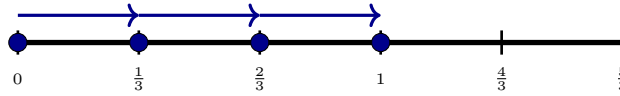


- A. At K C. At L
 B. Between K and L D. Between L and M



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1)



The number line shows 3 jumps of $\frac{1}{3}$ each. What multiplication does this show?

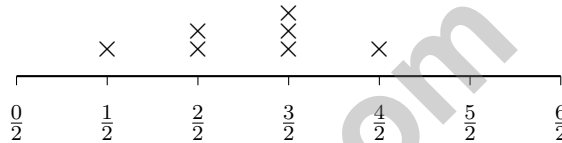
A. $3 \times \frac{1}{3} = 1$

C. $3 \times \frac{2}{3} = 2$

B. $3 \times \frac{1}{3} = 3$

D. $3 \times 1 = 3$

2) Look at this line plot with halves:



How many measurements are less than or equal to 1 inch?

A. 2

C. 4

B. 3

D. 5

3) Jada has 3 stickers. Her brother has 5 times as many stickers. How many stickers does her brother have?

A. 8

C. 18

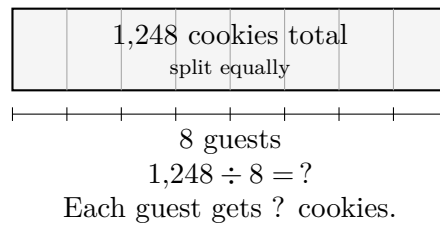
B. 35

D. 15



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- 4) The area model below shows $1,248 \div 8$. What is the quotient?



- A. 156 C. 146
 B. 166 D. 176
- 5) A table is 2 meters long. Convert this to centimeters.

- 6) Subtract: $32,105 - 14,237 = ?$

- A. 17,868 C. 17,668
 B. 18,868 D. 17,968

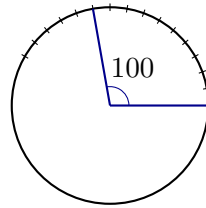
- 7) Which shows a sum greater than 1?

- A. $\frac{5}{8} + \frac{4}{8}$ C. $\frac{4}{8} + \frac{2}{8}$
 B. $\frac{3}{6} + \frac{2}{6}$ D. $\frac{5}{10} + \frac{3}{10}$

- 8) Which number rounds to 70,000 when rounded to the nearest ten thousand?

- A. 64,999 C. 75,001
 B. 74,500 D. 75,499

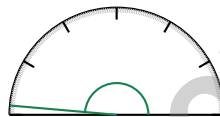




4)

Ava drew an angle that measures 100 degrees. How many one-degree angles does it contain?

- A. 50 one-degree angles C. 200 one-degree angles
 B. 100 one-degree angles D. 10 one-degree angles

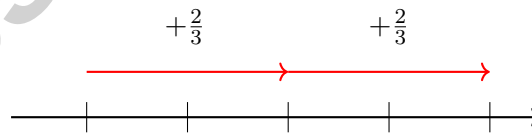


5)

What is the measure of this angle very close to a straight line?

- A. 180 degrees C. 5 degrees
 B. 175 degrees D. 170 degrees

6) A number line shows hops from 0 to $\frac{2}{3}$, then another hop to $\frac{4}{3}$. What operation does this show?



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



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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

- Choice C is correct.** (4.OA.B.4) A *prime* number has exactly two factors: 1 and itself. Try dividing 17: it doesn't divide evenly by 2, 3, 4, or 5, so its only factors are 1 and 17—prime! The others are *composite*: $9 = 3 \times 3$; $15 = 3 \times 5$; $21 = 3 \times 7$.
- Choice C is correct.** (4.G.A.2) Since all three angles are less than 90 degrees (acute angles), this triangle is classified as an acute triangle. The answer is C.
- Choice D is correct.** (4.NF.A.1) Circle 1 shows $\frac{1}{4}$. Circle 2 has 8 parts. Multiply numerator and denominator by 2: $\frac{1}{4} = \frac{1 \times 2}{4 \times 2} = \frac{2}{8}$. Shade 2 parts.
- Choice C is correct.** (4.G.A.3) The letter A looks the same on both sides of a vertical line running down its middle. Fold it along that line and both sides match perfectly! The answer is letter A.
- Choice A is correct.** (4.NF.C.5) Convert both endpoints: $\frac{4}{10} = \frac{40}{100}$ and $\frac{6}{10} = \frac{60}{100}$. The fraction $\frac{45}{100}$ falls between them.
- The correct answer is 18 oz.** (4.MD.A.2) The baker has 50 ounces and uses 32 ounces. Subtract: $50 - 32 = 18$ ounces. There are 18 ounces left.
- Choice C is correct.** (4.NF.B.3) Combine thirds: $1 + 2 = 3$ thirds total. That's $\frac{3}{3}$, which is exactly 1 whole.
- Choice D is correct.** (4.OA.A.2) "2 times as many" tells us to multiply: $2 \times 40 = 80$ cookies today.
- Choice A is correct.** (4.NF.B.3) To check a decomposition, add the numerators and keep the same denominator. $\frac{6}{12} + \frac{5}{12} = \frac{6+5}{12} = \frac{11}{12} \checkmark$. *Note:* this is one of several valid ways to decompose $\frac{11}{12}$ —you could also use $\frac{4}{12} + \frac{7}{12}$ or $\frac{1}{12} + \frac{10}{12}$, etc.
- Choice C is correct.** (4.NF.B.4) Maya hops by halves: $\frac{1}{2}, \frac{2}{2}, \frac{3}{2}$. After 3 hops, she reaches $\frac{3}{2}$.
- Choice A is correct.** (4.NBT.B.6) Long division: $1 \div 4 = 0$ r1, bring down the 7 to get $17 \div 4 = 4$ r1, bring down the 6 to get $16 \div 4 = 4$, bring down the 4 to get $4 \div 4 = 1$. The quotient is **441**.
- Choice D is correct.** (4.NBT.A.1) From the chart, read the digits left to right: thousands 3, hundreds 5, tens 2, ones 6. This forms **3,526**. \checkmark
- Choice D is correct.** (4.NF.C.5) Look at the number line: L is at 0.50 and M is at 0.75. Since 0.55 falls between these, it's in the region between L and M.
- Choice C is correct.** (4.MD.C.5) The opening is smaller than a right angle, so this is an acute angle.
- Choice C is correct.** (4.MD.C.5) The shaded arc stretches across a straight line (from one side of the circle to the other), which is $\frac{1}{2}$ of a full turn or 180° .
- The correct answer is Field A.** (4.NF.C.5) Compare tenths first (they outweigh hundredths). Field A has 8 tenths; Field B has 3 tenths. Since $8 > 3$, $0.83 > 0.38$, so Field A is wider. \checkmark
- The correct answer is B, D.** (4.MD.A.1) Check each option. A: 2 pounds = 32 ounces, not 48 oz. B: 2 kg = 2,000 g, correct! C: 64 ounces = 4 pounds, not 3 pounds. D: 500 g = 0.5 kg, correct! E: 5 pounds = 80 ounces, not 90 oz. The correct answers are B and D.
- Choice D is correct.** (4.NBT.B.5) Break down by tens and ones: $11 \times (30 + 2) = 330 + 22 = \mathbf{352}$ marbles.
- Choice B is correct.** (4.NF.B.4) Each whole bar shows 4 fourths. If we use 3 whole bars, we have $3 \times 4 = 12$ fourths total, which is $\frac{12}{4}$ or 3 wholes.
- Choice A is correct.** (4.MD.C.6) Ming's angle at 100° is just past a right angle (which is 90°). Any angle bigger than 90° but smaller than 180° is obtuse, so this is definitely obtuse. The answer is obtuse angle.
- The correct answer is $1\frac{1}{2}$.** (4.NF.B.3) Subtract the mixed numbers: $2\frac{3}{4} - 1\frac{1}{4} = 1\frac{2}{4}$, which simplifies to $1\frac{1}{2}$.
- Choice D is correct.** (4.NF.B.4) We take 7 copies of $\frac{1}{5}$. Multiply: $7 \times \frac{1}{5} = \frac{7 \times 1}{5} = \frac{7}{5} = 1\frac{2}{5}$. The answer is $1\frac{2}{5}$.
- Choice D is correct.** (4.OA.B.4) Check the rule: $2 \times 3 = 6$, $3 \times 3 = 9$, $4 \times 3 = 12$, $5 \times 3 = 15$. Multiply each input by 3.
- 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 2, giving us **78,200**. \checkmark
- Choice D is correct.** (4.NF.B.3) Since $\frac{2}{10} < \frac{4}{10}$, regroup: $3\frac{2}{10} = 2\frac{12}{10}$. Subtract: $2\frac{12}{10} - 1\frac{4}{10} = 1\frac{8}{10}$.



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Math Detective at Work

Hi, Math Detective!

◇ You did such a great job! You finished 9 tests like a real detective. You found the clues, used your tools, and solved the math. ◇

★ **Detectives know:** good work takes time. You took your time. You looked carefully. You found the answers! ★

Your Detective Skills

- **Sharp Eyes:** You notice the small details.
- **Smart Plans:** You pick the right way to solve.
- **Brave Heart:** You try even when it's tricky.
- **Steady Work:** You finish what you start.

Detective tip: on test day, look carefully at each problem. Underline important words. Then solve like the detective you are!

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

Jay Daie

Your Math Detective Helper

PRACTICE TODAY. ACHIEVE TOMORROW!

This **Grade 4 Math Practice Tests** book is designed to help students strengthen essential math skills, build confidence, and develop the problem-solving abilities needed for classroom success and test readiness.

With 9 full-length practice tests, students gain repeated exposure to important Grade 4 concepts while learning how to approach questions with accuracy, confidence, and strong mathematical thinking.

Whether used at home, in the classroom, or for independent review, this book provides meaningful practice that helps students grow stronger with every test.

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SUCCESS FOR LIFE.**

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Develop logical thinking and effective solution strategies.



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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
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