

6

Rhode Island

RICAS

GRADE 4 MATH PRACTICE TESTS

Standards-Aligned Review with
Mixed Practice and Answer Key



MASTER KEY MATH CONCEPTS
BUILD CONFIDENCE FOR TEST DAY

INCLUDES COMPREHENSIVE ANSWER KEY
ALIGNED STATE STANDARDS

6 Rhode Island RICAS Grade 4 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Six 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.

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Welcome, Rhode Island Math Explorer!

Six steady rounds on the Ocean State math route

This book gives you six 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?

Six tests, 180 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 4–6	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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Table of Contents

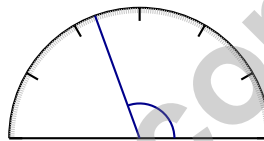
★ Practice Test 1	_____	15
★ Practice Test 2	_____	25
★ Practice Test 3	_____	37
★ Practice Test 4	_____	48
★ Practice Test 5	_____	59
★ Practice Test 6	_____	71
Practice Test Answer Keys	_____	81
Practice Test Answers and Explanations	_____	85

1) A recipe calls for 8 cups of flour. If the baker wants to make 4 batches, how many cups of flour are needed?

- A. 12 cups C. 32 cups
 B. 24 cups D. 36 cups

2) Complete the sequence: 2, 5, 10, 17, ___

- A. 24 C. 28
 B. 30 D. 26



3)

Noah measures this angle. Is it acute, right, obtuse, or straight?

- A. Acute (less than 90 degrees) C. Obtuse (between 90 and 180 degrees)
 B. Right (exactly 90 degrees) D. Straight (exactly 180 degrees)

4) What is 3×456 ?

- A. 1450 C. 1512
 B. 1600 D. 1368

5) A library receives 5 boxes of books. Each box has 20 books. They also receive 15 loose books. Then they shelve 45 books. How many books are left to shelve?

- A. 115 C. 45
 B. 100 D. 70



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6) Which expression shows the number 5,803 broken into place values?

- A. $(5 \times 1,000) + (8 \times 10) + (3 \times 1)$ C. $(5 \times 100) + (8 \times 100) + (3 \times 1)$
 B. $(8 \times 1,000) + (5 \times 100) + (3 \times 1)$ D. $(5 \times 1,000) + (8 \times 100) + (3 \times 1)$

7) Write $\frac{6}{4}$ as a mixed number.

8) A rectangular table is 5 feet long and 3 feet wide. What is the perimeter of the table?

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

9) A rhombus is different from a square because a rhombus:

- A. Does not have four equal sides C. Has more than four sides
 B. May not have four right angles D. Has no parallel sides

10) A recipe calls for 8 ounces of chocolate. How many pounds is this?

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

11) Sam measured ribbon lengths in fourths of a meter. She got: $\frac{2}{4}$, $\frac{3}{4}$, $\frac{2}{4}$, $\frac{4}{4}$, $\frac{3}{4}$, $\frac{3}{4}$. When plotted, which measurement has the most X marks?

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



12) How many unit fractions of $\frac{1}{7}$ make $\frac{5}{7}$?

A. 2

C. 7

B. 5

D. 12

13) What is $\frac{7}{12} + \frac{2}{12}$?

A. $\frac{9}{24}$

C. $\frac{14}{12}$

B. $\frac{9}{12}$

D. $\frac{5}{12}$

14) A clock hand rotates from 12 o'clock to 3 o'clock (a 90° rotation), then continues to rotate an additional 45° . What is the total angle of rotation?

15) What is $3 \times \frac{4}{6}$ in simplest form?

A. $\frac{7}{6}$

C. $1\frac{1}{6}$

B. $\frac{4}{18}$

D. $\frac{12}{6}$ or 2

16) *Select the TWO correct answers.*

Which scenarios require $4 \times \frac{3}{5}$?

A. One run is $\frac{3}{5}$ mile; 4 runs total equals how many miles?

B. A recipe uses $\frac{3}{5}$ cup of flour; tripling uses how many cups?

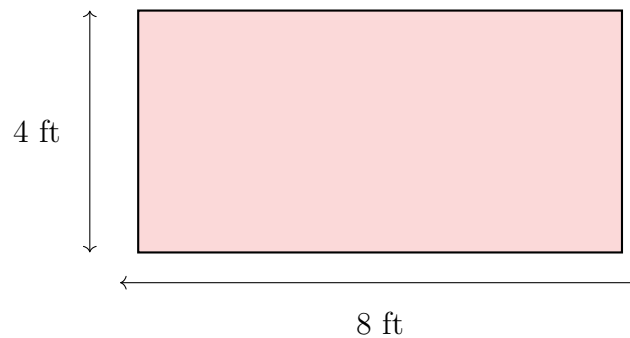
C. Four cookies each weigh $\frac{3}{5}$ ounce; total weight is how many ounces?

D. A bottle holds $\frac{3}{5}$ liter; two bottles hold how many liters?

E. A ribbon is $\frac{3}{5}$ meter; cutting into 4 pieces gives what length per piece?



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1)

A farmer wants to put a fence around this rectangular field. How many feet of fencing does he need?

- A. 32 ft C. 48 ft
 B. 12 ft D. 24 ft

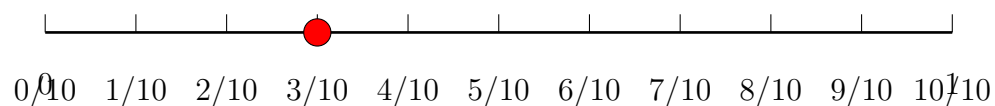
2) A shop owner buys 5 bottles of cleaner, with 12 fluid ounces in each bottle. How many fluid ounces of cleaner does he buy?

- A. 17 fl oz C. 65 fl oz
 B. 60 fl oz D. 72 fl oz

3) Compare: $\frac{3}{8}$ and $\frac{3}{10}$.

- A. $\frac{3}{8} < \frac{3}{10}$ C. $\frac{3}{8} = \frac{3}{10}$
 B. Cannot compare D. $\frac{3}{8} > \frac{3}{10}$

4) Look at the number line below.



What fraction is marked on the number line?

- A. $\frac{3}{100}$ C. $\frac{3}{10}$
 B. $\frac{13}{100}$ D. $\frac{10}{3}$

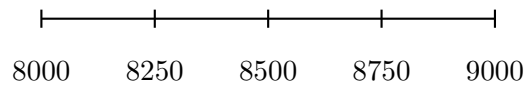


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5) On a line plot showing string lengths in fourths, there are 2 X marks at $\frac{1}{4}$ inch, 3 X marks at $\frac{2}{4}$ inch, and 1 X mark at $\frac{3}{4}$ inch. What is the total number of strings?

- A. 4
 B. 5
 C. 6
 D. 7

6) Which number line best shows 8,250 and where it rounds?



- A. 8,250 rounds to 8,000
 B. 8,250 rounds to 8,500
 C. 8,250 rounds to 9,000
 D. 8,250 stays the same

7) Ava has 728 stickers to put equally into 8 boxes. How many stickers go in each box?

- A. 87
 B. 80
 C. 99
 D. 91

8) If an angle measures 55° , how many one-degree angles make it?

- A. 5.5 one-degree angles
 B. 55 one-degree angles
 C. 110 one-degree angles
 D. 550 one-degree angles

9) Noah wrote three numbers: 2,500, 3,450, and 1,725. In which number is the value of the hundreds digit the greatest?

- A. 2,500
 B. 3,450
 C. 1,725
 D. All three are equal



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.MD.A.2) One batch needs 8 cups of flour. For 4 batches, multiply: $8 \times 4 = 32$ cups. The baker needs **32** cups of flour.
- Choice D is correct.** (4.OA.B.4) Look at the differences: 3, 5, 7. The differences increase by 2 each time, so the next difference is 9: $17 + 9 = 26$.
- Choice C is correct.** (4.MD.C.6) At 110° , this angle opens wider than a right angle. Since it's between 90° and 180° , it's definitely obtuse. The answer is obtuse.
- Choice D is correct.** (4.NBT.B.5) Use partial products: $3 \times (400 + 50 + 6) = 1200 + 150 + 18 = 1368$.
- Choice D is correct.** (4.OA.A.3) Three steps! Step 1: books from the boxes: $5 \times 20 = 100$. Step 2: add the loose books: $100 + 15 = 115$. Step 3: subtract the shelved ones: $115 - 45 = 70$ books left.
- Choice D is correct.** (4.NBT.A.1) Break 5,803 apart by place: thousands = $5 \times 1,000 = 5,000$, hundreds = $8 \times 100 = 800$, tens = $0 \times 10 = 0$ (we can drop this), ones = $3 \times 1 = 3$. Adding the non-zero parts gives $5,000 + 800 + 3 = 5,803$, which matches choice B. ✓
- The correct answer is $1\frac{2}{4}$.** (4.NF.B.3) One whole is $\frac{4}{4}$, leaving $6 - 4 = 2$ more fourths. So $\frac{6}{4} = 1\frac{2}{4}$ ✓.
- Choice C is correct.** (4.MD.A.3) The table's perimeter is $P = 2(5) + 2(3) = 10 + 6 = 16$ ft.
- Choice B is correct.** (4.G.A.2) Both rhombuses and squares have four equal sides and two pairs of parallel sides. However, a rhombus does not require right angles, while a square must have them. This is the key difference. The answer is B.
- Choice A is correct.** (4.MD.A.1) Since 1 pound = 16 ounces, divide: $8 \div 16 = \frac{1}{2}$ pound. The answer is $\frac{1}{2}$ pound.
- Choice B is correct.** (4.MD.B.4) Count the measurements: $\frac{2}{4}$ m appears 2 times, $\frac{3}{4}$ m appears 3 times (the most!), and $\frac{4}{4}$ m appears 1 time. So $\frac{3}{4}$ m has the most X marks.
- Choice B is correct.** (4.NF.B.3) $\frac{5}{7}$ means we have 5 equal pieces, and each piece is $\frac{1}{7}$. So **5** unit fractions of $\frac{1}{7}$ make up $\frac{5}{7}$.
- Choice B is correct.** (4.NF.B.3) Same denominator rule: $7 + 2 = 9$ twelfths. Answer: $\frac{9}{12}$.
- The correct answer is 135.** (4.MD.C.7) The hand rotates in two steps. Add both angles: $90^\circ + 45^\circ = 135^\circ$.
- Choice D is correct.** (4.NF.B.4) We take 3 copies of $\frac{4}{6}$. Multiply: $3 \times \frac{4}{6} = \frac{3 \times 4}{6} = \frac{12}{6} = 2$. The answer is **2**.
- The correct answer is A, C.** (4.NF.B.4) A: Four runs of $\frac{3}{5}$ mile each means $4 \times \frac{3}{5}$. C: Four cookies at $\frac{3}{5}$ ounce each means $4 \times \frac{3}{5}$. B would be $3 \times$ (tripling), D is $2 \times$ (two bottles), E is division.
- Choice A is correct.** (4.NF.B.3) The runner completes laps over two time periods. Add the mixed numbers: $1\frac{3}{5} + 2\frac{1}{5} = 3\frac{4}{5}$ laps total.
- Choice D is correct.** (4.OA.A.1) "2 times as many" means multiply. Kai's brother has $9 \times 2 = 18$ trucks.
- The correct answer is 240.** (4.MD.C.5) Two-thirds of the full turn: $\frac{2}{3} \times 360^\circ = 240^\circ$.
- Choice A is correct.** (4.NF.C.5) Convert $\frac{7}{10}$ to hundredths: $\frac{7}{10} = \frac{70}{100}$. Now add: $\frac{70}{100} + \frac{10}{100} = \frac{80}{100}$.
- Choice B is correct.** (4.NF.C.5) When you say "zero point nineteen" out loud, you're reading the decimal 0.19.
- Choice B is correct.** (4.NF.B.3) Since $\frac{2}{6} < \frac{5}{6}$, regroup: $3\frac{2}{6} = 2\frac{8}{6}$. Subtract: $2\frac{8}{6} - 1\frac{5}{6} = 1\frac{3}{6}$ pizzas.
- Choice A is correct.** (4.NF.B.4) Four groups of $\frac{1}{3}$ each: $4 \times \frac{1}{3} = \frac{4}{3}$, which is $1\frac{1}{3}$ candy bars.
- Choice A is correct.** (4.NF.A.1) Divide both numerator and denominator by 5: $\frac{5}{10} = \frac{5 \div 5}{10 \div 5} = \frac{1}{2}$.
- Choice A is correct.** (4.G.A.1) Look for the small square symbol in the corner — that's geometry's way of saying "this is a right angle!" Only Diagram A has that special marker.
- Choice A is correct.** (4.NBT.B.4) Subtract from 100,000 using regrouping across multiple zeros. The answer is **32,766**.
- Choice A is correct.** (4.G.A.3) The letter D has a straight line on the left and a curved bulge on the right. A horizontal line across the middle balances the top curve with the bottom curve. The answer is It has 1 line of symmetry.
- Choice D is correct.** (4.OA.A.2) Classroom B's group has 4 rows of 8 books—"4 times as many." Multiply: $4 \times 8 = 32$ books.



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Author's Note

From a Friend Who Believes in You

Hi, Friend!

◇ I just want to say something important: I am proud of you. You did 6 full practice tests. That takes time, hard work, and heart. ◇

★ **Friendly truth:** a test is just one part of your math journey. You are SO much more than a score. The work you did is the real win! ★

What I Want You to Know

- **You are smart.** Every test you finished proves it.
- **You are brave.** You tried hard problems.
- **You are growing.** Mistakes taught you new things.
- **You are ready.** The skills are inside you.

One more thing: on test day, take a deep breath. Smile. Remember that someone (me!) believes in you. You can do this!

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

Jay Daie

Your Math Friend

PRACTICE TODAY, SUCCEED TOMORROW!

This **Grade 4 Math Practice Tests** book is the perfect tool to help students strengthen their math skills, master important concepts, and build confidence for test success.

With 6 full-length practice tests, a variety of question types, and detailed answer explanations, students get the review and practice they need to improve accuracy, develop critical thinking, and achieve their best.

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