

4

Rhode Island

RICAS

GRADE 4

MATH

PRACTICE TESTS



5 FULL-LENGTH
PRACTICE TESTS



Standards-Aligned Review with
Mixed Practice and Answer Key



STANDARDS-ALIGNED
REVIEW



MIXED PRACTICE
QUESTIONS



ANSWER KEY
INCLUDED



$$4 \times 7 = 28$$

$$36 \div 9 = 4$$

$$\begin{array}{r} 125 \\ + 87 \\ \hline 212 \end{array}$$



4 Rhode Island RICAS Grade 4 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Four focused 30-question missions for Grade 4 math: number facts, fractions, measurement, data, area, shapes, answer keys, and clear explanations for every item.

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Welcome, Rhode Island Math Explorer!

Four steady rounds on the Ocean State math route

This book gives you four 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?

Four tests, 120 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 2–4 | Skill-building rounds with fractions, measurement, area, data, and two-step problems. |
| Tests 2–4 | 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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For more practice
& answers

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1) What is $6 \times \frac{1}{6}$?

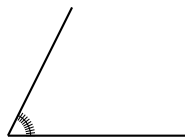
2) An obtuse angle has an opening that is:

- A. smaller than a right angle
- B. the same as a right angle
- C. larger than a right angle but smaller than a straight angle
- D. equal to a straight angle

3) A chef uses 4 tablespoons of salt in a recipe. How many teaspoons is this? (Hint: 1 tablespoon = 3 teaspoons)

- A. 4
- B. 8
- C. 12
- D. 16

4)



This angle is marked from 0° to 63° . What is the measure?

- A. 63°
- B. 64°
- C. 62°
- D. 126°



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- 5) Leo has \$50. He buys a shirt for \$12 and pants for \$28. How much money does he have left?
- A. \$10 C. \$22
 B. \$16 D. \$40
- 6) A turn of 210° is equal to what fraction of a full turn?
- A. $\frac{1}{2}$ C. $\frac{3}{4}$
 B. $\frac{7}{12}$ D. $\frac{5}{6}$
- 7) If you have $300,000 + 20,000 + 5,000 + 600 + 30 + 2$, what is the numeral?
- A. 320,632 C. 352,632
 B. 305,632 D. 325,632
- 8) What do you call two angles that share a vertex and their sides form two straight lines?
- A. Supplementary angles C. Adjacent angles
 B. Vertical angles D. Right angles
- 9) An angle is split into two smaller angles. One measures 30° and the other measures 45° . What is the measure of the whole angle?
- A. 15° C. 75°
 B. 65° D. 90°
- 10) Add: $19,876 + 20,234 = ?$
- A. 39,110 C. 39,210
 B. 40,210 D. 40,110



11) What is $\frac{5}{10} + \frac{25}{100}$?

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

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

C. $\frac{5}{25}$

D. $\frac{30}{110}$

12) Write $\frac{9}{12}$ as a sum of three equal fractions. What is each fraction?

Cost: × 7

13)

Total:

A store buys 7 guitars at \$6 each. How much does the store spend in total?

A. \$36

B. \$48

C. \$42

D. \$50

14) Look at the base-ten model below. Which number does it represent?



A. 5,373

B. 3,570

C. 5,307

D. 5,037

15) Ming collected 8,643 stickers. Round this to the nearest hundred.



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1) A school has 4 classrooms. Each classroom has 28 students. The principal needs to divide all students into groups of 7 for a field trip. How many groups will there be?

- A. 7 C. 4
 B. 32 D. 16

2) Which is a multiplicative comparison?

- A. 10 is 2 times as many as 5 C. 10 is 5 less than 15
 B. 10 is 5 more than 5 D. 10 equals 5 plus 5

3) Compare these two numbers using a place-value chart:

| | Thousands | Hundreds | Tens | Ones |
|----------|-----------|----------|------|------|
| Number 1 | 3 | 4 | 2 | 5 |
| Number 2 | 3 | 4 | 5 | 0 |

Which is correct?

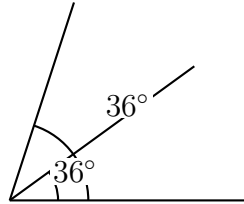
- A. $3,450 < 3,425$ C. $3,425 = 3,450$
 B. $3,425 > 3,450$ D. $3,425 < 3,450$

4) What is $3,645 \div 5$?

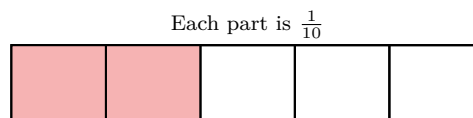
- A. 739 C. 719
 B. 749 D. 729



- 5) A ramp is built at an angle. Half of the ramp's total angle is 36° . What is the measure of the entire ramp's angle?



- A. 36°
 C. 18°
 B. 72°
 D. 90°
- 6) Noah's school library has 15,678 books. The library receives 5,432 new books. How many books does the library have now?
- A. 21,110
 C. 20,110
 B. 21,010
 D. 21,210
- 7) Which pair of decompositions both equal $\frac{8}{10}$?
- A. $\frac{2}{10} + \frac{6}{10}$ and $\frac{4}{10} + \frac{4}{10}$
 C. $\frac{2}{10} + \frac{5}{10}$ and $\frac{4}{10} + \frac{3}{10}$
 B. $\frac{1}{10} + \frac{6}{10}$ and $\frac{3}{10} + \frac{5}{10}$
 D. $\frac{5}{10} + \frac{2}{10}$ and $\frac{6}{10} + \frac{1}{10}$
- 8) A sticker weighs $\frac{1}{5}$ ounce. Emma has 3 stickers. What is the total weight in ounces?
- A. $\frac{1}{15}$ ounce
 C. $\frac{3}{15}$ ounce
 B. $\frac{3}{5}$ ounce
 D. $\frac{5}{3}$ ounces
- 9) A fraction bar is divided into 5 equal parts. If 2 parts are shaded and each part is $\frac{1}{10}$, what fraction is shaded?



- A. $\frac{2}{10}$
 C. $\frac{1}{10}$
 B. $\frac{2}{5}$
 D. $\frac{5}{2}$



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1) Add: $41,234 + 38,765 = ?$

A. 79,999

C. 79,989

B. 80,099

D. 80,199

2) A construction company pours 32 sections of concrete. Each section uses 24 bags of cement. How many bags of cement are needed?

A. 696 bags

C. 850 bags

B. 920 bags

D. 768 bags

3) A child spins a bottle. It rotates $\frac{1}{9}$ of a full turn. How many degrees is this?

A. 30°

C. 40°

B. 35°

D. 45°

4) An angle is divided into 27 one-degree angles. What is the measure of the angle?

A. 27°

C. 54°

B. 13.5°

D. 270°

5) A class has 48 students. They are divided into 6 equal teams. How many students are on each team?



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6) In 45,328, how many thousands are there?

7) On a line plot with eighths: $\frac{1}{8}$ appears 2 times, $\frac{3}{8}$ appears 4 times, and $\frac{7}{8}$ appears 1 time. What is the sum total of all measurements?

- A. $\frac{19}{8}$
 C. $\frac{21}{8}$
 B. $\frac{20}{8}$
 D. $\frac{22}{8}$

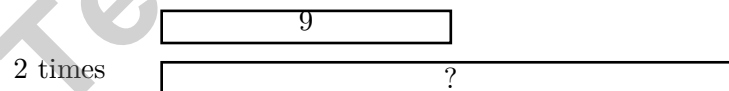
8) Which list shows consecutive multiples of 5 starting at 5?

- A. 5, 10, 15, 20, 25
 C. 5, 10, 15, 20, 30
 B. 5, 15, 20, 35, 40
 D. 10, 20, 30, 40, 50

9) Which attribute is true for a square?

- A. Four equal sides and four right angles
 C. One pair of parallel sides
 B. Three angles and three sides
 D. Four different side lengths

10)



Naomi has 9 ribbons. Her grandmother has 2 times as many ribbons as Naomi. How many ribbons does her grandmother have?

- A. 11
 C. 20
 B. 16
 D. 18



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

- The correct answer is 1. (4.NF.B.4) Six sixths: $6 \times \frac{1}{6} = \frac{6}{6} = 1$.
- Choice C is correct. (4.MD.C.5) An obtuse angle opens wider than a right angle but is not a straight line.
- Choice C is correct. (4.MD.A.1) Since 1 tablespoon = 3 teaspoons, multiply: $4 \times 3 = 12$ teaspoons. The answer is 12 teaspoons.
- Choice A is correct. (4.MD.C.5) The angle spans from 0° to the 63° mark, measuring 63° .
- Choice A is correct. (4.MD.A.2) Step 1: Find total spent: $12 + 28 = 40$ dollars. Step 2: Subtract from \$50: $50 - 40 = 10$ dollars. Leo has \$10 left.
- Choice B is correct. (4.MD.C.5) Divide degrees by 360 to find the fraction: $\frac{210}{360} = \frac{7}{12}$ (simplifying by 30). Answer: $\frac{7}{12}$.
- Choice D is correct. (4.NBT.A.2) Step 1: $300,000 + 20,000 + 5,000 = 325,000$. Step 2: $325,000 + 600 + 30 + 2 = 325,632$ ✓
- Choice B is correct. (4.G.A.1) When two lines cross, they form angles opposite each other. These opposite angles are called vertical angles, and here's the cool part: they're always exactly the same size!
- Choice C is correct. (4.MD.C.7) When you split an angle into smaller parts, add them to find the whole: $30^\circ + 45^\circ = 75^\circ$.
- Choice D is correct. (4.NBT.B.4) Add from right to left: ones $6 + 4 = 10$ (carry 1), tens $7 + 3 + 1 = 11$ (carry 1), hundreds $8 + 2 + 1 = 11$ (carry 1), thousands $9 + 0 + 1 = 10$ (carry 1). The sum is **40,110**.
- Choice B is correct. (4.NF.C.5) First, rewrite $\frac{5}{10}$ using hundredths: $\frac{5}{10} = \frac{50}{100}$. Then add: $\frac{50}{100} + \frac{25}{100} = \frac{75}{100}$.
- The correct answer is $\frac{3}{12}$. (4.NF.B.3) Divide $\frac{9}{12}$ into three equal parts: each piece is $\frac{3}{12}$. Check: $3 + 3 + 3 = 9$ ✓.
- Choice C is correct. (4.OA.A.3) The tape diagram shows 7 guitars at \$6 each—"each" with a count is a multiplication clue. Step 1: set up: $7 \times \$6$. Step 2: solve: $7 \times 6 = 42$, so the store spends \$42. *Quick check:* $\$42 \div 7 = \6 per guitar. ✓
- Choice D is correct. (4.NBT.A.1) Count each block type: 5 thousands, 0 hundreds, 3 tens, 7 ones. Sum: $5,000 + 0 + 30 + 7 = 5,037$. ✓
- The correct answer is 8,600. (4.NBT.A.3) We're rounding to the nearest hundred. Look at the tens digit: 4. Since $4 < 5$, round DOWN. Ming has about **8,600** stickers. ✓
- Choice B is correct. (4.G.A.3) A butterfly is nature's perfect example of symmetry! The left and right wings mirror each other, so a vertical line down the middle is exactly a line of symmetry. The answer is **1** line of symmetry.
- Choice B is correct. (4.MD.C.6) The baseline sits at 0° , and the second ray points to the 20° mark. Since $20^\circ < 90^\circ$, this is an acute angle—and a small one at that. The answer is **20** degrees.
- The correct answer is A, C. (4.NF.B.3) Check A: $2\frac{2}{4} + 2\frac{3}{4} = 4\frac{5}{4}$. Since $\frac{5}{4} = 1\frac{1}{4}$, regroup to get $5\frac{1}{4}$. Correct! Check B: $4\frac{3}{4} + 1 = 5\frac{3}{4}$. No. Check C: $3\frac{1}{4} + 2 = 5\frac{1}{4}$. Correct! Check D and E: They equal different values. So A and C are correct.
- Choice D is correct. (4.OA.A.2) "4 times as many" is a multiplication signal. Kai has 4 groups of Aisha's 5 fish: $4 \times 5 = 20$ fish.
- Choice A is correct. (4.NF.A.1) Convert to common denominator: $\frac{1}{4} = \frac{2}{8}$. Since $\frac{3}{8} > \frac{2}{8}$, Maya ate more.
- Choice B is correct. (4.NF.B.3) The flour bag started full, and some was used. Find how much was used by subtracting what remains: $5\frac{3}{10} - 2\frac{1}{10} = 3\frac{2}{10}$ pounds of flour was used.
- Choice B is correct. (4.G.A.2) A rectangle has two pairs of parallel sides and all four right angles. Although opposite sides are equal in length, not all four sides must be equal. The answer is **B**.
- Choice B is correct. (4.NF.B.3) With same-size sixths, combine them: $4 + 1 = 5$, so the answer is $\frac{5}{6}$.
- Choice A is correct. (4.NBT.B.6) Divide: $20 \div 9 = 2$ r2, bring down the 1 to get $21 \div 9 = 2$ r3, bring down the 6 to get $36 \div 9 = 4$. Each box holds **224** action figures.
- Choice D is correct. (4.MD.B.4) Count X marks at values $\geq \frac{3}{4}$ inch. At $\frac{3}{4}$ inch: 3 marks. At $\frac{5}{4}$ inches: 2 marks. At $\frac{7}{4}$ inches: 1 mark. Total: $3 + 2 + 1 = 6$ marks.



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

Jay Daie

Your Math Coach

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This **Grade 4 Math Practice Tests** book is the perfect tool to help students build strong math skills, master key concepts, and gain the confidence they need to excel.

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