

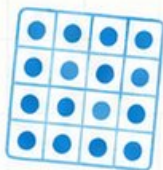
$$\begin{array}{r} 32 \\ \times 6 \\ \hline 192 \end{array}$$

10

$$7 \times 8 = 56$$



$$\frac{3}{4}$$



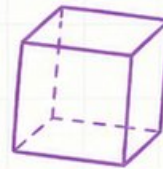
Rhode Island



RICAS



GRADE 4



MATH

PRACTICE TESTS



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



10 Rhode Island RICAS Grade 4 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Ten 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!

Ten steady rounds on the Ocean State math route

This book gives you ten 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?

Ten tests, 300 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.
Test 10	Final round to show growth across the whole Rhode Island book.
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.

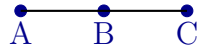


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& answers

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1) Which statement about the diagram is correct?



- A. Point B is on segment AC C. Point C is on segment AB
 B. Point A is on segment BC D. All three points are endpoints

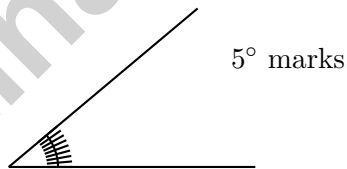
2) A pizza is cut into 8 equal slices. Each slice represents an angle of 45° . What is the total angle if you combine 3 slices?

- A. 45° C. 135°
 B. 90° D. 180°

3) A triangle has three equal sides. What type of triangle is it?

- A. Scalene triangle C. Right triangle
 B. Equilateral triangle D. Obtuse triangle

4)

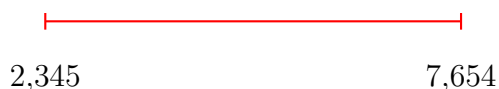


This angle is marked from 0° to 40° . What is the measure?

- A. 40° C. 41°
 B. 39° D. 8 one-degree angles



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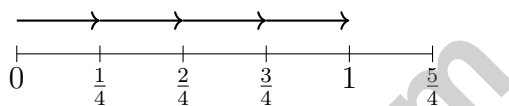


5) $2,345 + 7,654 = ?$

Use a number line to help. What is $2,345 + 7,654$?

- A. 9,999 C. 9,989
 B. 10,099 D. 9,899

6) Use the number line to find $4 \times \frac{1}{4}$.



- A. $\frac{1}{4}$ C. $\frac{2}{4}$
 B. $\frac{4}{4}$ or 1 D. $\frac{4}{16}$

7) A train travels 75 kilometers per hour. If it travels for 5 hours, how far does it go?

- A. 80 km C. 375 km
 B. 150 km D. 380 km

8) Ming walks 2 miles to school. How many yards is this?

- A. 528 C. 3,520
 B. 1,056 D. 5,280

9) If an angle is NOT acute and is NOT obtuse, what could it be?

- A. Only right C. Right or straight
 B. Only straight D. It must be acute



10) A park ranger counts animals. She counts 6 groups of deer with 12 deer per group, and 7 groups of rabbits with 12 rabbits per group. How many total animals does she count?

A. 192 animals

C. 136 animals

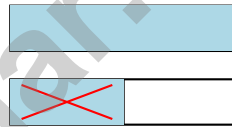
B. 144 animals

D. 156 animals

11) What is $7 \times \frac{1}{3}$ as a fraction?

12) What is $\frac{3}{2} - \frac{1}{2}$?

Start with $\frac{3}{2}$



Take away $\frac{1}{2}$; ? remains

A. $\frac{2}{4}$

C. $\frac{1}{2}$

B. $\frac{2}{2}$ or 1

D. $\frac{4}{2}$



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5) Round 3,264 to the nearest hundred.

A. 3,200

C. 3,260

B. 3,000

D. 3,300

6) A child ate $1\frac{3}{4}$ cookies and his sister ate $\frac{2}{4}$ cookies. How many cookies did they eat together?

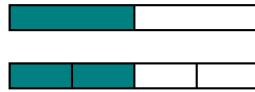
A. $2\frac{1}{4}$

C. $1\frac{3}{4}$

B. $1\frac{1}{4}$

D. $\frac{5}{4}$

7) Which picture shows $\frac{1}{2}$ and $\frac{2}{4}$ are equivalent?



A: $\frac{1}{2}$ and $\frac{2}{4}$



B: $\frac{1}{2}$ and $\frac{1}{7}$

A. Picture A

C. Both pictures

B. Picture B

D. Neither picture

8) Eli has $2\frac{4}{10}$ meters of fabric. He buys $3\frac{5}{10}$ more meters. How much fabric does he have now?

A. $5\frac{9}{10}$ meters

C. $5\frac{8}{10}$ meters

B. 6 meters

D. $6\frac{1}{10}$ meters

9) A music class has 156 minutes of rehearsal to divide evenly across 4 days. How many minutes are planned for each day?

A. 39 minutes

C. 156 minutes

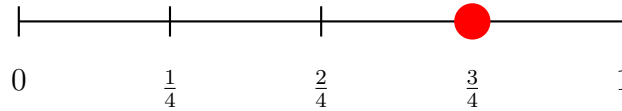
B. 52 minutes

D. 160 minutes



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1) Which fraction is shown on the number line?



A. $\frac{2}{4}$

B. $\frac{3}{4}$

C. $\frac{5}{8}$

D. $\frac{4}{5}$

2) What is the main characteristic of a line in geometry?

 A. It has exactly two endpoints

 C. It is always horizontal

 B. It continues forever in both directions

 D. It is shorter than a line segment

3)



What is the measure of the angle shown?

 A. 150 degrees

 C. 170 degrees

 B. 140 degrees

 D. 160 degrees

4) What is $3,248 \div 8$ with remainders shown?

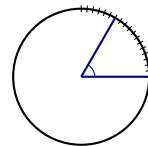
 A. 404 r0

 C. 405 r8

 B. 407 r2

 D. 406 r0


- 5) A rectangle has a length of 7 cm and a width of 5 cm. What is its area?
- A. 35 sq cm C. 12 sq cm
 B. 24 sq cm D. 49 sq cm
- 6) A store ordered 5,887 pencils. Round to the nearest thousand to estimate how many pencils were ordered.
- A. 5,000 C. 5,900
 B. 5,800 D. 6,000
- 7) A ribbon is 0.75 meters long. Which fraction is equivalent to this length?
- A. $\frac{7}{10}$ C. $\frac{75}{10}$
 B. $\frac{75}{100}$ D. $\frac{750}{100}$
- 8) Which statement about a square and a regular hexagon is true?
- A. Both have 4 lines of symmetry D. A hexagon has fewer lines than a square
 B. Both have 6 lines of symmetry
 C. They have different numbers of lines of symmetry



9)

This diagram is marked from 0° to 60° . How many one-degree angles does the angle contain?

- A. 60 one-degree angles C. 59 one-degree angles
 B. 61 one-degree angles D. 30 one-degree angles



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& answers

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 A is correct.** **(4.G.A.1)** Look at the diagram: point B sits right in the middle between A and C . Since B is between them, it's definitely on segment AC .
- 2) **Choice C is correct.** **(4.MD.C.7)** Each slice is 45° . Combine 3 slices: $45^\circ \times 3 = 135^\circ$.
- 3) **Choice B is correct.** **(4.G.A.2)** A triangle with three equal sides is called an equilateral triangle. The three equal angles in an equilateral triangle each measure 60 degrees, making them all acute. The answer is **B**.
- 4) **Choice A is correct.** **(4.MD.C.5)** The angle extends to the 40° mark, so it measures 40° .
- 5) **Choice A is correct.** **(4.NBT.B.4)** Add: $2,345 + 7,654 = 9,999$. The digits complement each other perfectly!
- 6) **Choice B is correct.** **(4.NF.B.4)** On the number line, we make 4 jumps of $\frac{1}{4}$ each, starting at 0 and landing at 1. So $4 \times \frac{1}{4} = \frac{4}{4} = 1$. The answer is **1**.
- 7) **Choice C is correct.** **(4.MD.A.2)** The train travels 75 kilometers per hour for 5 hours. Multiply: $75 \times 5 = 375$ km. It travels **375** kilometers.
- 8) **Choice C is correct.** **(4.MD.A.1)** Since 1 mile = 1,760 yards, multiply: $2 \times 1,760 = 3,520$ yards. The answer is **3,520** yards.
- 9) **Choice C is correct.** **(4.MD.C.5)** An angle that is neither acute nor obtuse must be either a right angle (90 degrees) or a straight angle (180 degrees).
- 10) **Choice D is correct.** **(4.OA.A.3)** Three steps! Step 1: deer total: $6 \times 12 = 72$. Step 2: rabbit total: $7 \times 12 = 84$. Step 3: add for grand total: $72 + 84 = 156$ animals.
- 11) **The correct answer is $\frac{7}{3}$.** **(4.NF.B.4)** When we multiply $7 \times \frac{1}{3}$, we get 7 copies of $\frac{1}{3}$. This is written as the fraction $\frac{7}{3}$.
- 12) **Choice B is correct.** **(4.NF.B.3)** Start with $\frac{3}{2}$ halves. Take away $\frac{1}{2}$: $3 - 1 = 2$ halves, which equals **1** whole.
- 13) **Choice B is correct.** **(4.OA.B.4)** Each array shows a factor pair multiplied. Check the products: $4 \times 6 = 24 \checkmark$; $5 \times 5 = 25$ (not 24!); $3 \times 8 = 24 \checkmark$; $2 \times 12 = 24 \checkmark$. So choice B is the array that does *not* match a factor pair of 24.
- 14) **Choice C is correct.** **(4.NF.C.5)** To write $\frac{3}{10}$ as hundredths, multiply the numerator and denominator by 10: $\frac{3}{10} = \frac{3 \times 10}{10 \times 10} = \frac{30}{100}$.
- 15) **The correct answer is B, D.** **(4.NF.A.1)** Use $\frac{1}{2}$ as benchmark: $\frac{3}{5} = \frac{6}{10} > \frac{5}{10} = \frac{1}{2}$ and $\frac{5}{8} > \frac{4}{8} = \frac{1}{2}$. The others are less than $\frac{1}{2}$.
- 16) **Choice B is correct.** **(4.NF.B.3)** Add the wholes: $1 + 1 + 1 = 3$. Add the fractions: $\frac{1}{4} + \frac{3}{4} + \frac{2}{4} = \frac{6}{4} = 1\frac{2}{4}$. Combine: $3 + 1\frac{2}{4} = 4\frac{2}{4}$.
- 17) **Choice D is correct.** **(4.NBT.A.1)** From the chart, the hundreds place (second column from the left) contains the digit **8**. \checkmark
- 18) **The correct answer is 0.70.** **(4.NF.C.5)** Use the equivalence: 7 tenths = 70 hundredths (because each tenth contains 10 hundredths). So $0.7 = 0.70$. The trailing zero doesn't change the value—it just shows the same amount in hundredths. \checkmark
- 19) **Choice B is correct.** **(4.NF.B.4)** Two water bottles, each holding $\frac{3}{5}$ liter, give us $2 \times \frac{3}{5} = \frac{6}{5}$ liters total.
- 20) **Choice D is correct.** **(4.OA.A.2)** "2 times as many" means multiply by 2: $2 \times 16 = 32$ toy cars.
- 21) **Choice D is correct.** **(4.NBT.B.6)** Use long division: $20 \div 7 = 2$ r6, bring down the 4 to get $64 \div 7 = 9$ r1, bring down the 7 to get $17 \div 7 = 2$ r3. The remainder is **3**.
- 22) **Choice D is correct.** **(4.NF.A.1)** Check D: $\frac{2}{3}$ with denominator 12 would be $\frac{2 \times 4}{3 \times 4} = \frac{8}{12}$, not $\frac{7}{12}$. False! A, B, and C are all true equivalent fractions.
- 23) **Choice A is correct.** **(4.NF.B.3)** The fraction bar shows 12 equal parts with 7 shaded, which is $\frac{7}{12}$. This is $\frac{1}{12} + \frac{1}{12} + \dots + \frac{1}{12}$.

7 unit fractions
- 24) **Choice A is correct.** **(4.NF.B.3)** The reading challenge spans two weeks. Step 1: Add what's read both weeks: $\frac{9}{12} + \frac{2}{12} = \frac{11}{12}$. Step 2: Find what's left: $\frac{12}{12} - \frac{11}{12} = \frac{1}{12}$.



A Quiet Word From Your Mentor

Hi, Thoughtful Student,

◇ I want to take a moment to tell you something true: you did excellent work. 10 practice tests is a real promise that you kept to yourself. That matters. ◇

★ **Mentors notice:** growth is quiet. It doesn't shout. But it shows up in how you handle a problem today vs how you did weeks ago. That growth is your real prize. ★

What I See in You

- **Hard Work:** You don't quit when problems are tough.
- **Curiosity:** You wonder why and how.
- **Kindness:** You are patient with yourself.
- **Brave Heart:** You try things that scare you.

Mentor's note: on test day, treat yourself like you would a friend. Be kind. Be patient. Be encouraging. The skills are inside you!

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

Jay Daie

Your Math Mentor

PRACTICE TODAY. ACHIEVE TOMORROW!

This **Grade 4 Math Practice Tests** book is designed to help students build strong math skills, boost confidence, and succeed in the classroom and beyond. With 10 full-length practice tests that reflect real test formats, students get the targeted practice they need to master key concepts, improve problem-solving abilities, and achieve their goals.

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Measure improvement and focus on areas that matter.



Achieve Success

Build the skills and confidence to reach higher goals.

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- ✓ Perimeter, Area & Volume
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