

# 5

# Rhode Island RICAS

Standards-Aligned Review with  
Mixed Practice and Answer Key

A+

# 5 Rhode Island RICAS Grade 4 Math Practice Tests

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



Five 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**



# Copyright ©

## Testinar Inc



Published by Testinar Inc

[Testinar.com](http://Testinar.com)

All rights reserved. No part of this publication may be reproduced, distributed, or transmitted in any form or by any means, including photocopying, recording, or other electronic or mechanical methods, without the prior written permission of the author, except in the case of brief quotations embodied in critical reviews and certain other noncommercial uses permitted by copyright law, including Section 107 or 108 of the 1976 United States Copyright Act.

This publication is independently produced and has no official connection to any state, district, or national testing program.

Test names and organizational names used herein are the property of their respective trademark holders.



*Copyright ©*

# Welcome, Rhode Island Math Explorer!

Five steady rounds on the Ocean State math route

This book gives you five 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?

Five tests, 150 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 3–5	Skill-building rounds with fractions, measurement, area, data, and two-step problems.
Tests 3–5	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.



Scan me!  
For more practice  
& answers

# Table of Contents

★ Practice Test 1	_____	15
★ Practice Test 2	_____	27
★ Practice Test 3	_____	39
★ Practice Test 4	_____	50
★ Practice Test 5	_____	61
Practice Test Answer Keys	_____	72
Practice Test Answers and Explanations	_____	76

1) Ava wants to convert 5 kilometers to meters. What is the correct answer?

A. 500

C. 50,000

B. 5,000

D. 500,000

2) Which problem has an answer of  $4\frac{1}{2}$ ?

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

C.  $3\frac{1}{2} + 1\frac{1}{2}$

B.  $5\frac{1}{2} - 2\frac{1}{2}$

D.  $6 - 2\frac{1}{2}$

3) A protractor shows that two adjacent angles measure  $63^\circ$  and  $117^\circ$ . What is their sum?

A.  $54^\circ$

C.  $180^\circ$

B.  $117^\circ$

D.  $200^\circ$

4) Complete the table using the rule “multiply by 2 then add 1”:

Input	1	2	3	4
Output	3	5	7	?

A. 8

C. 11

B. 13

D. 9



Scan me!  
For more practice  
& answers

Classroom Supplies

Grade	Books
Grade 3	18
Grade 4	24
Grade 5	30

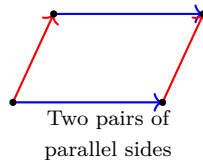
5)

The table shows books in each grade. If they combine all books and divide equally among 9 classrooms, how many books does each classroom get?

- A. 7                                       C. 8  
 B. 9                                       D. 6

6) A spinner is divided into 6 equal sectors around a center point. Each sector spans how many degrees?

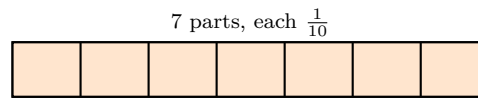
7) Look at the figure showing two pairs of parallel sides with arrows. What type of quadrilateral is it?



- A. Trapezoid                                       C. Pentagon  
 B. Parallelogram                                       D. Triangle



8) In a fraction bar, 7 equal parts are shaded. If each part is  $\frac{1}{10}$ , what fraction is shaded?

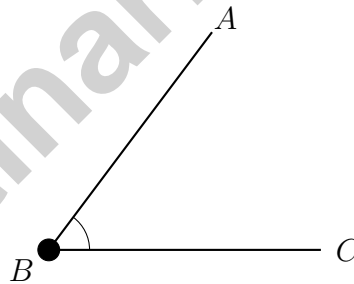


- A.  $\frac{1}{10}$   
 B.  $\frac{3}{10}$

- C.  $\frac{7}{10}$   
 D.  $\frac{10}{7}$

9) Emma starts reading at 1:20 p.m. and finishes at 2:35 p.m. How many minutes did she read?

10) The angle below is named  $\angle ABC$ . Where is point  $B$ ?



- A. At point  $A$   
 B. At the vertex

- C. At point  $C$   
 D. In the exterior



Scan me!  
For more practice  
& answers

1) A serving of pasta is  $\frac{1}{3}$  pound. How much pasta is in 6 servings?

A.  $\frac{1}{18}$  pound

C.  $\frac{6}{18}$  pound

B.  $\frac{6}{3}$  pounds (or 2 pounds)

D.  $\frac{1}{2}$  pound

2) Which list shows multiples of 3?

A. 3, 6, 9, 12, 16

C. 3, 6, 8, 12, 15

B. 3, 6, 9, 12, 15

D. 3, 5, 9, 12, 15

3) A rectangle has an area of 72 square inches. The length is 9 inches. What is the width?

4) Which pair of fractions are correctly compared using 0 and 1 as benchmarks?

A.  $\frac{2}{100} < \frac{99}{100}$  (both close to benchmarks)

C.  $\frac{6}{10} > 1$  (beyond benchmark 1)

B.  $\frac{7}{12} > \frac{5}{12}$  (both close to  $\frac{1}{2}$ )

D.  $\frac{1}{8} < 0$  (below benchmark 0)

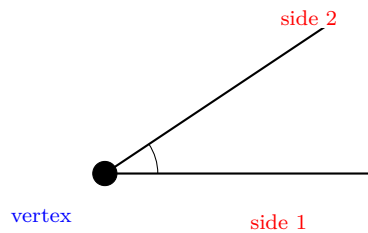
5) Subtract:  $10,000 - 4,567 = ?$



Scan me!  
For more practice  
& answers

6) A class has 32 students. They divide into 4 equal teams. Each team earns 5 bonus points. How many bonus points do the teams earn in all?

- A. 64                                       C. 45  
 B. 40                                       D. 20



7)

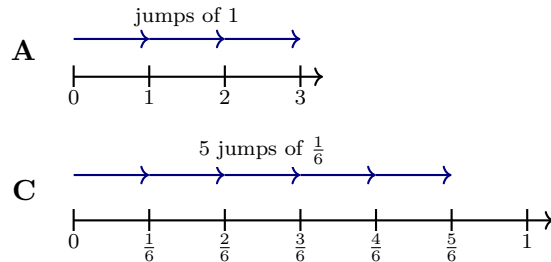
In the angle shown, which part is labeled in blue?

- A. A side                                       C. The interior  
 B. The vertex                                       D. A ray
- 8) A farmer has 7 chickens. She has 5 times as many ducks. How many more ducks than chickens?

- A. 12                                       C. 5  
 B. 35                                       D. 28



1) Which number line shows  $5 \times \frac{1}{6}$ ?



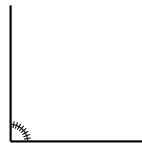
- A. Top number line                       C. Bottom number line  
 B. Neither shows it                       D. Both show the same thing

2) Using the number line, which number just below 3,500 rounds to 3,500 when rounded to the nearest hundred?



- A. 3,449                                       C. 3,500  
 B. 3,551                                       D. 3,450

3)



This is a right angle. How many one-degree angles make a right angle?

- A. 45 one-degree angles                       C. 90 one-degree angles  
 B. 180 one-degree angles                       D. 360 one-degree angles



Scan me!  
For more practice  
& 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.**

Testinar.com



## Practice Test Answers and Explanations

### Practice Test 1 Answers and Explanations

- Choice B is correct.** (4.MD.A.1) Since 1 kilometer = 1,000 meters, multiply:  $5 \times 1,000 = 5,000$  m. The answer is 5,000 m.
- Choice A is correct.** (4.NF.B.3) Check choice A:  $2\frac{1}{2} + 2 = 4\frac{1}{2}$ . Correct! Add wholes:  $2 + 2 = 4$ , and keep the fraction:  $\frac{1}{2}$ . The others give different answers: B equals 3, C equals 5, D equals  $3\frac{1}{2}$ .
- Choice C is correct.** (4.MD.C.7) These adjacent angles are supplementary. Add them:  $63^\circ + 117^\circ = 180^\circ$ .
- Choice D is correct.** (4.OA.B.4) Apply the rule “multiply by 2 then add 1” to input 4:  $(2 \times 4) + 1 = 8 + 1 = 9$ .
- Choice C is correct.** (4.OA.A.3) Read the table for the totals, then combine. Step 1:  $18 + 24 + 30 = 72$  books in all. Step 2: share among 9 classrooms:  $72 \div 9 = 8$  books each.
- The correct answer is 60.** (4.MD.C.5) Divide 360 degrees by 6 equal sectors:  $360^\circ \div 6 = 60^\circ$  per sector.
- Choice B is correct.** (4.G.A.2) The figure clearly shows two pairs of parallel sides marked by blue and red arrows. This is the defining characteristic of a parallelogram. The answer is B.
- Choice C is correct.** (4.NF.B.4) Seven shaded parts, each  $\frac{1}{10}$ :  $7 \times \frac{1}{10} = \frac{7}{10}$ .
- The correct answer is 75 min.** (4.MD.A.2) Emma reads from 1:20 p.m. to 2:35 p.m. From 1:20 to 2:20 is 60 minutes, plus 15 more to 2:35. Total:  $60 + 15 = 75$  minutes. She reads for 75 minutes.
- Choice B is correct.** (4.MD.C.5) In  $\angle ABC$ , point B is the vertex because it's the middle letter.
- Choice D is correct.** (4.NBT.A.1) In 4,567, read the places from right: ones 7, tens 6, hundreds 5, thousands 4. The digit 4 is in the thousands place, so its value is  $4 \times 1,000 = 4,000$ . ✓
- Choice B is correct.** (4.NF.C.5) The tenths place is the same for both (2 tenths). Compare the hundredths:  $7 > 2$ , so  $0.27 > 0.22$ . Lin's apple is heavier.
- Choice D is correct.** (4.NF.A.1) Divide both top and bottom by 2:  $\frac{4}{8} = \frac{4 \div 2}{8 \div 2} = \frac{2}{4}$ . Then divide again by 2:  $\frac{2}{4} = \frac{2 \div 2}{4 \div 2} = \frac{1}{2}$ .
- Choice D is correct.** (4.OA.A.2) The farmer's 60 carrots are 6 times the gardener's amount. To find the gardener's, divide:  $60 \div 6 = 10$  carrots.
- Choice C is correct.** (4.NF.B.4) Count the shaded parts: 4 parts are shaded. Count the equal parts: 5 total parts. So the shaded fraction is  $4 \times \frac{1}{5} = \frac{4}{5}$ .
- Choice D is correct.** (4.OA.A.1) “9 times as many” means multiply by 9:  $4 \times 9 = 36$  miles.
- Choice A is correct.** (4.NBT.B.4) The chart shows 2,341. Add: ones  $1 + 4 = 5$ , tens  $4 + 3 = 7$ , hundreds  $3 + 2 = 5$ , thousands  $2 + 1 = 3$ . The sum is 3,575.
- The correct answer is A, B.** (4.NBT.A.3) Rounding to the nearest ten thousand means we look at the thousands digit of each. A ✓: In 49,999, thousands digit is  $9 \geq 5$ , rounds UP to 50,000. B ✓: In 51,111, thousands digit is  $1 < 5$ , rounds DOWN to 50,000. C: In 55,500, thousands digit is  $5 \geq 5$ , rounds UP to 60,000. D: In 59,999, thousands digit is  $9 \geq 5$ , rounds UP to 60,000. E: In 35,999, thousands digit is  $5 \geq 5$ , rounds UP to 40,000.
- Choice C is correct.** (4.NBT.B.5) Break  $24 \times 36$  into parts:  $24 \times (30 + 6) = 24 \times 30 + 24 \times 6 = 720 + 144 = 864$ .
- Choice D is correct.** (4.OA.B.4) Try the small primes:  $41 \div 2$ ? No (odd).  $\div 3$ ?  $4 + 1 = 5$ , not a multiple of 3.  $\div 5$ ? No (ends in 1).  $\div 7$ ?  $7 \times 6 = 42$ , too big. So 41's only factors are 1 and 41—prime.
- Choice B is correct.** (4.NF.B.4) We take 7 copies of  $\frac{1}{3}$ . Multiply:  $7 \times \frac{1}{3} = \frac{7 \times 1}{3} = \frac{7}{3} = 2\frac{1}{3}$ . The answer is  $2\frac{1}{3}$ .
- Choice B is correct.** (4.MD.A.3) The rectangle is 10 in long and 6 in wide. Perimeter =  $2(10) + 2(6) = 20 + 12 = 32$  in.
- Choice D is correct.** (4.G.A.1) A square is built from four perfect corners, and each corner is exactly  $90^\circ$ . Count them: four corners means four right angles!
- The correct answer is 0.9.** (4.NF.C.5) Nine tenths fills the first decimal place:  $\frac{9}{10} = 0.9$ .
- Choice C is correct.** (4.NF.C.5) To convert  $\frac{9}{10}$  to hundredths, we multiply both parts by 10:  $\frac{9}{10} = \frac{9 \times 10}{10 \times 10} = \frac{90}{100}$ .
- Choice A is correct.** (4.NF.B.3) When the denominators match, add the numerators!  $4 + 5 = 9$ , so we get  $\frac{4}{10} + \frac{5}{10} = \frac{9}{10}$ . ✓
- Choice A is correct.** (4.NF.B.3) The ribbon was cut, so we subtract the cut part from the total.  $\frac{7}{10} - \frac{3}{10} = \frac{4}{10}$  meter of ribbon left.



## Hi, Brave Trail-Walker!

◇ You walked all 5 miles of the practice trail. Smooth paths, steep climbs, narrow passes. Every step taught you something. ◇

★ **Trail guides know:** the most important thing is to keep moving. Slow steps still get you there. You have a steady stride now. ★

### Trail Survey

- **Route Knowledge:** You know lots of problem types.
- **Steady Pace:** You don't rush. You don't stop.
- **Pack Loaded:** You have all the math tools you need.
- **Confidence:** You trust your training.

**Guide's tip:** on test day, stay on the trail you've walked before. Use the strategies you've practiced. Trust the route. The summit is one steady walk away!

If you want to share something or ask a question, please email me at [jay@testinar.com](mailto:jay@testinar.com).

**Jay Daie**

Your Math Trail Guide

# 5 PRACTICE TESTS. BUILD SKILLS. BOOST CONFIDENCE!

This **Grade 4 Math Practice Tests** book is designed to help students master essential math concepts, improve problem-solving skills, and build the confidence they need to excel.

With 5 full-length practice tests, a variety of question types, and detailed answer explanations, students get the practice they need to understand math, strengthen critical thinking, and perform their best on test day and beyond.

Ideal for classroom use, homework, test preparation, and extra practice at home.

## PERFECT FOR:

- ✓ Classroom Practice
- ✓ Homework & Review
- ✓ Independent Learning
- ✓ Test Preparation
- ✓ Skill Reinforcement
- ✓ Confidence Building

★ CONFIDENCE TODAY.  
SUCCESS TOMORROW!

## 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.



### Master Key Concepts

Reinforce important skills aligned with grade-level standards.



### Prepare for Success

Build the confidence needed to do your best on test day.

## TOPICS COVERED

- ✓ Place Value & Number Sense
- ✓ Addition & Subtraction
- ✓ Multiplication & Division
- ✓ Fractions & Equivalent Fractions
- ✓ Decimals
- ✓ Geometry & Measurement
- ✓ Perimeter & Area
- ✓ Data, Graphs & Line Plots
- ✓ Patterns & Algebraic Thinking
- ✓ Word Problems
- ✓ And More!



Visit [testinar.com/math4](https://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.



5 Full-Length Practice Tests



Standards-Aligned



Build Confidence and Skills



Mixed Question Types



Answer Key Included

A+