

4

COMPLETE

Rhode Island

RICAS

Grade

MATH

5

PRACTICE TESTS

Standards-Based Test Prep with
Mixed Review, Word Problems,
and **Full Answer Key**



- ✓ **4 COMPLETE PRACTICE TESTS**
Built to reflect the test format and rigor



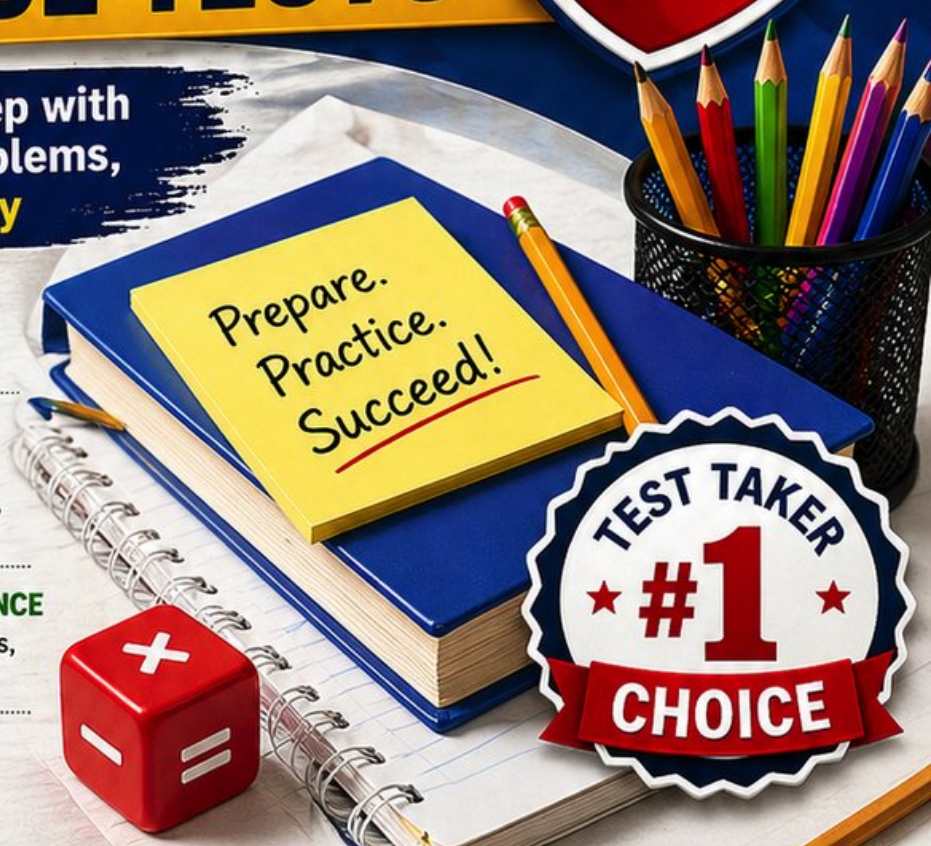
- ✓ **COVERS ALL ESSENTIAL TOPICS**
Numbers & Operations, Fractions, Decimals, Geometry, Measurement, Data & Probability, and more



- ✓ **STRENGTHEN SKILLS & CONFIDENCE**
Mixed review, challenging questions, and strategic practice



- ✓ **FULL ANSWER KEY INCLUDED**
Detailed explanations for every question



BUILD STRONG MATH SKILLS & TEST READINESS



IMPROVE ACCURACY, SPEED, AND PROBLEM SOLVING



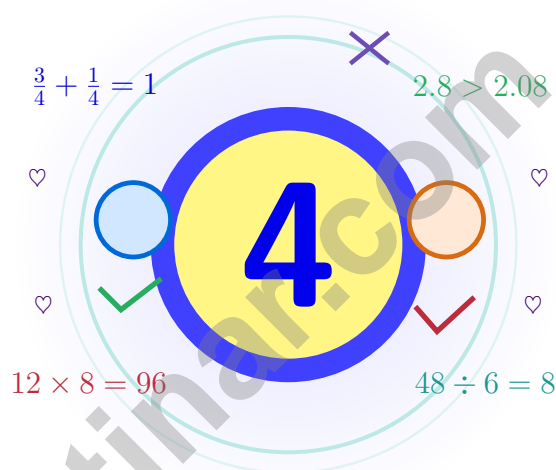
PERFECT FOR CLASSROOM, HOME, OR SELF-STUDY



ALIGNED TO RHODE ISLAND STATE STANDARDS (RICAS)

4 Rhode Island RICAS Grade 5 Math Practice Tests

A four-test adventure built for steady, brave thinking



Four full tests, a smart quick review, mission-style strategy pages,
and student-tested support that help Grade 5 mathematicians from
The Ocean State build calm, careful, confident habits.

Jay Daie and Reza Nazari



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Strap In, Rhode Island – Four-Test Adventure

Four full tests and a coach's voice on every page

Rhode Island Mathematicians, Read This First

This book gives you four chances to read closely, solve carefully, and level up your math thinking. Math is a lot like Narragansett Bay – small enough to see end to end, big enough to teach you patience.

You do not need to feel perfect before you begin. You just need to stay curious, use strategies, and learn from every correction. That is how confident mathematicians are built.

Spot Clues

Notice what the problem shows, says, and asks.

Build a Plan

Choose a strategy and work through it step by step.

Bounce Back

Let mistakes show you exactly what to practice next.



A strong mission habit for Rhode Island: keep your work neat, estimate when it helps, label units carefully, and never let one hard question decide your mood for the whole page.

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From Cover to Final Test

A four-step routine that turns practice into real improvement

Step 1: Power Up

Start with the quick review.

Wake up the big Grade 5 ideas before the test starts so your brain is already warmed up.

Step 2: Take the Test

Work through one full practice test.

Find a calm corner, settle in, and aim for careful, honest choices before quick ones.

Step 3: Decode Mistakes

Check your work honestly.

Circle missed questions, sort out what went sideways, and notice which skills are calling for attention.

Step 4: Bring the Lesson Forward

Repair, reflect, and retry.

Read the explanation, fix the work, and carry that lesson into the very next test.

A Four-Week Rhode Island Mission Map

Week	Mission Focus
Week 1	Take Test 1 like a calm Block Island sunrise – steady eyes, careful pace.
Week 2	Take Test 2 and lift word problems and clear writing.
Week 3	Take Test 3 to polish fractions, decimals, and conversions.
Week 4	Take Test 4 with calm, careful focus all the way to the final answer.



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Grade 5 Mathematics Reference Materials

PERIMETER AND AREA

Perimeter of Rectangle $P = 2l + 2w$ or $P = 2(l + w)$

Area of Rectangle $A = l \times w$

Area of Triangle $A = \frac{1}{2} \times b \times h$

Volume of Rectangular Prism $V = l \times w \times h$

LENGTH

Customary

1 foot (ft) = 12 inches (in.)

1 yard (yd) = 3 feet (ft)

1 yard (yd) = 36 inches (in.)

Metric

1 meter (m) = 100 centimeters (cm)

1 centimeter (cm) = 10 millimeters (mm)

1 kilometer (km) = 1,000 meters (m)

CAPACITY

Customary

1 cup (c) = 8 fluid ounces (fl oz)

1 pint (pt) = 2 cups (c)

1 quart (qt) = 2 pints (pt)

1 gallon (gal) = 4 quarts (qt)

Metric

1 liter (L) = 1,000 milliliters (mL)

WEIGHT AND MASS

Customary

1 pound (lb) = 16 ounces (oz)

Metric

1 kilogram (kg) = 1,000 grams (g)

1 gram (g) = 1,000 milligrams (mg)

TIME

1 minute (min) = 60 seconds (sec) 1 week = 7 days

1 hour (hr) = 60 minutes (min) 1 year = 12 months

1 day = 24 hours (hr) 1 year = 52 weeks



- 5) A prism has $L = 15$ ft, $W = 4$ ft, $H = 6$ ft. Find its volume.

Record your answer in the space provided.

- 6) Find: 6×10^4 .

Record your answer in the space provided.

- 7) A track coach records times for three runners:

Runner	Time (seconds)
Jasmine	52.8
Marcus	49.5
Sophia	51.2

What is the difference between the fastest and slowest time?

- A. 1.6 seconds C. 3.3 seconds
 B. 2.3 seconds D. 3.7 seconds



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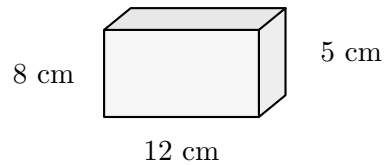
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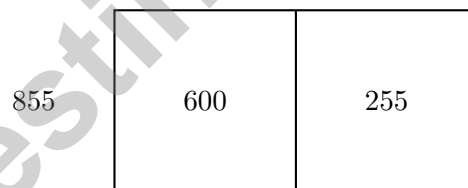
- 1) A gift box measures 12 cm by 8 cm by 5 cm. What is the total volume it can hold?



- A. 240 cubic centimeters
- B. 360 cubic centimeters
- C. 480 cubic centimeters
- D. 600 cubic centimeters
- 2) Find the sum: $\frac{5}{12} + \frac{1}{4}$.

Record your answer in the space provided.

- 3) Complete the area-model division for $855 \div 15$:



Divisor: 15

What is the quotient?

- A. 55
- B. 57
- C. 59
- D. 61



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1) A runner estimates her time as 18.75 seconds. What is this rounded to the nearest whole second?

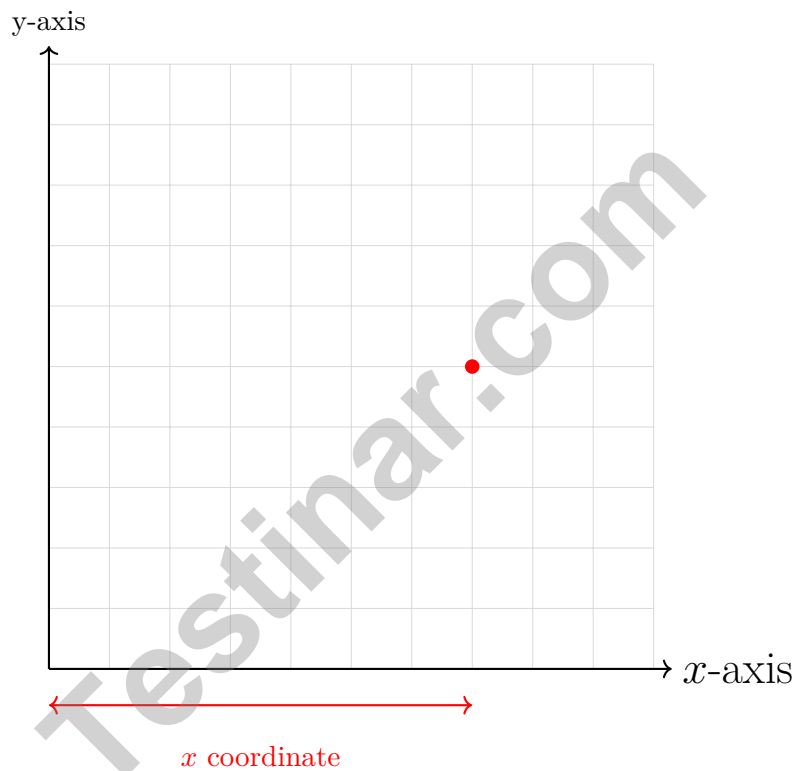
A. 18 sec

C. 18.8 sec

B. 18.7 sec

D. 19 sec

2) In the ordered pair (x, y) , what does the letter x represent?



A. How far up

C. The origin

B. How far right

D. The y-axis



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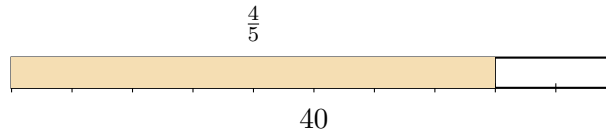
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1) Find $\frac{4}{5}$ of 40.



A. 8

C. 24

B. 16

D. 32

2) A bar model shows 4 copies of $\frac{1}{3}$.



4 groups of $\frac{1}{3}$

What is $4 \times \frac{1}{3}$?

A. $\frac{1}{12}$

C. $\frac{4}{12}$

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

D. $1\frac{2}{3}$

3) A large crate is 2 meters by 3 meters by 2 meters. What is its volume?



$2 \times 3 \times 2$ m

A. 8 cubic meters

C. 12 cubic meters

B. 10 cubic meters

D. 16 cubic meters



Practice Test Answer Keys

How to use this section:

1. check your answer
2. circle missed questions
3. rework them before reading the explanation

Good correction habits build strong scores.

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Practice Test Answers and Explanations

Practice Test 1 Answers and Explanations

- 1) **Choice D is correct.** (5.NBT.B.7) Line up decimal points and subtract place by place. $15.50 - 8.25 = 7.25$ dollars. This confirms the answer.
- 2) **Choice D is correct.** (5.NF.B.4) $1\frac{3}{4} \times 8 = \frac{7}{4} \times 8 = \frac{56}{4} = 14$ yards.
- 3) **Choice C is correct.** (5.OA.B.3) After 3 increases, Pattern C is $4 + 2 + 2 + 2 = 10$ and Pattern D is $4 + 5 + 5 + 5 = 19$. The difference is $19 - 10 = 9$.
- 4) **Choice C is correct.** (5.MD.A.1) First add the liquid amounts: $1\frac{1}{2} + \frac{1}{2} = 2$ cups. Since 1 cup is 8 fl oz, $2 \times 8 = 16$ fl oz.
- 5) **The correct answer is 360 ft³.** (5.MD.C.4) $15 \times 4 \times 6 = 360$ ft³.
- 6) **The correct answer is 60,000.** (5.NBT.A.2) Multiplying by a power of 10 shifts the value to a larger place. $6 \times 10,000 = 60,000$. This confirms the answer.
- 7) **Choice C is correct.** (5.MD.A.1) Fastest: 49.5 seconds (Marcus). Slowest: 52.8 seconds (Jasmine). Difference: $52.8 - 49.5 = 3.3$ seconds.
- 8) **Choice D is correct.** (5.NF.B.6) This is $6 \div \frac{1}{3}$. There are 3 one-third-pound bundles in each pound, so 6 pounds makes 18 bundles.
- 9) **Choice D is correct.** (5.MD.B.2) Count all X marks: $1 + 2 + 4 + 2 + 1 = 10$ teams.
- 10) **Choice D is correct.** (5.NF.B.4) Only Aisha and Ahmed got $\frac{8}{15}$ correct. Maria and Juan incorrectly added instead of multiplying.
- 11) **Choice A is correct.** (5.NF.A.1) $9 - 4 = 5$ and $\frac{6}{9} - \frac{3}{9} = \frac{3}{9} = \frac{1}{3}$. Result: $5\frac{1}{3}$.
- 12) **Choice B is correct.** (5.MD.C.5) Sandwiches: $3 \times 6.50 = 19.50$ dollars. Drinks: $4 \times 2.25 = 9.00$ dollars. Subtotal: $19.50 + 9.00 = 28.50$ dollars.
- 13) **Choice C is correct.** (5.NF.A.2) $\frac{5}{9} + \frac{2}{9} = \frac{7}{9}$ meters. Since denominators are the same, add numerators.
- 14) **Choice A is correct.** (5.NF.B.7) The bar shows one seventh split into 2 equal parts. Each part is half of $\frac{1}{7}$, so $\frac{1}{7} \div 2 = \frac{1}{14}$.
- 15) **Choice C is correct.** (5.NBT.A.2) $\frac{10^5}{10^3} = 10^2 = 100$ times larger.
- 16) **Choice D is correct.** (5.NBT.A.2) Work backward with the inverse operation: $0.45 \times 100 = 45$. So 45 divided by 100 equals 0.45.
- 17) **Choice C is correct.** (5.G.A.2) Each B value is 3 times the matching A value: $6 = 3 \times 2$, $12 = 3 \times 4$, and so on.
- 18) **Choice D is correct.** (5.MD.A.1) 1 kg = 1,000 g. Divide: $1,000 \div 250 = 4$ bags.
- 19) **Choice D is correct.** (5.G.B.4) An obtuse triangle has one angle greater than 90 degrees. Since 120 degrees is greater than 90 degrees, this is an obtuse triangle.
- 20) **Choice D is correct.** (5.G.A.2) Day 2: Ages 5–7 count is 6, Ages 8–10 count is 4. Ordered pair is (6, 4).
- 21) **Choice B is correct.** (5.NF.A.1) Subtract: $5 - 2\frac{1}{4} = 2\frac{3}{4}$.
- 22) **Choices A, B are correct.** (5.G.A.1) A and B each have two coordinates greater than 0. Choices C and D each include 0, so they do not match the prompt.
- 23) **Choice B is correct.** (5.NF.A.2) $1 = \frac{6}{6}$. $\frac{6}{6} - \frac{2}{6} = \frac{4}{6} = \frac{2}{3}$.
- 24) **Choice D is correct.** (5.MD.B.2) Items at \$5 contribute $2 \times \$5 = \10 . Items at \$10 contribute $3 \times \$10 = \30 . For items at \$10 and below, the total is $\$10 + \$30 = \$40$.
- 25) **Choice B is correct.** (5.NBT.A.3) 76 out of 100 squares shaded represents $\frac{76}{100} = 0.76$.
- 26) **The correct answer is 5.** (5.MD.C.5) The base area is $8 \times 5 = 40$ square meters. Since $200 \div 40 = 5$, the height is 5 m.
- 27) **Choice B is correct.** (5.OA.A.1) Start with the smallest group: $1 + 1 = 2$. Then $9 - 2 = 7$, the braces become $2 + 7 = 9$, and $3 \times 9 = 27$.
- 28) **Choice C is correct.** (5.NF.B.6) Use total amount divided by the size of one piece. The equation is $11 \div \frac{1}{2} = n$.
- 29) **Choice A is correct.** (5.OA.B.3) Pattern: add 1 tile each figure. Fig 1 = 2, Fig 2 = 3, Fig 3 = 4. Figure 6 = 7.



Captain's Log—Voyage Complete

First Mate, Well Done!

◇ You sailed through 4 practice tests with steady hands and a sharp eye. The waters got rough sometimes, but you kept your course. That's what good sailors do. Now the harbor (test day) is in sight, and you are ready to dock with confidence. ◇

★ **Captain's wisdom:** a good sailor doesn't fight the wind—they read it and adjust. On a test, the same thing is true. When a problem feels tricky, don't panic. Read it again. Try a new strategy. Adjust the sails of your thinking. ★

Captain's Skills Inventory

- **Steady Steering:** EXCELLENT! You stay on course even when problems get tough.
- **Wind Reading:** STRONG! You can spot what a problem is really asking.
- **Crew Spirit:** HIGH! You believe in your own ability.
- **Harbor Approach:** READY! You know how to finish a test calmly.

Final captain's note: the best voyages combine planning with courage. You have both. Trust the chart you built through these 4 tests. Trust your hands on the wheel. Then sail confidently into test day.

If you'd like to share your experience or have questions, please email me at reza@testinar.com. I'd love to hear from you!

Reza Nazari & Jay Daie

Your Math Captain (Smooth Sailing Ahead)

4 COMPLETE TESTS. CONFIDENCE. SUCCESS.



Give your child the practice and confidence they need to excel in **Grade 5 Math**. This book includes **4 full-length** practice tests designed to build skills, improve test readiness, and help students reach their full potential.

WHAT'S INSIDE:



4 COMPLETE PRACTICE TESTS

Full-length tests that reflect real test format and rigor.



COVERS ALL GRADE 5 TOPICS

Numbers & Operations, Fractions, Decimals, Geometry, Measurement, Data & Probability, and more.



MIXED REVIEW & WORD PROBLEMS

Build problem-solving skills with mixed review questions and real-world word problems.



DETAILED ANSWER KEY

Step-by-step explanations for every question to help students learn and improve.



BUILD CONFIDENCE & IMPROVE SCORES

Practice consistently, reduce test anxiety, and achieve your best score!



PRACTICE SMART. LEARN MORE. ACHIEVE YOUR BEST.



Strengthen
Math Skills



Improve
Accuracy
& Speed



Master
Essential
Concepts



Boost
Confidence
on Test Day



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