

7

Rhode Island

RICAS

GRADE 5

MATHEMATICS

PRACTICE TESTS

✓
**PRACTICE
PREPARE
SUCCEED**

★★★

Comprehensive Standards-Aligned
Review for Strong Grade 5
Math Performance



$$\frac{3}{4} + \frac{2}{4} = \frac{5}{4}$$

$$2.4 + 1.6 = 4.0$$

$$A = \frac{bh}{2}$$



**7 FULL-LENGTH
PRACTICE TESTS**

Realistic style
questions



**STANDARDS-
ALIGNED**

Covers all Grade 5
standards



BUILD CONFIDENCE

Target weak areas
and improve
performance



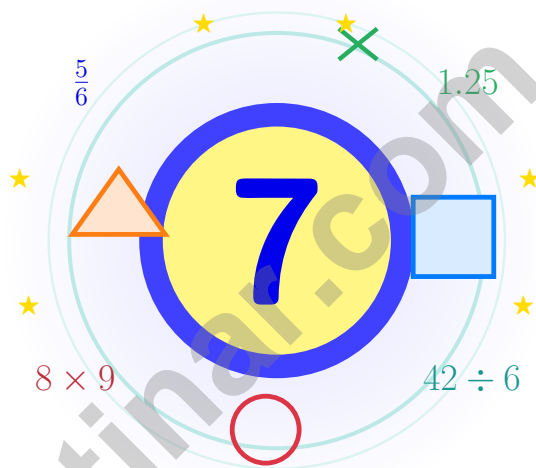
ACHIEVE SUCCESS

Develop skills,
stay prepared,
excel on test day

★ PRACTICE TODAY. PERFORM TOMORROW. **SUCCEED** FOREVER. ★

7 Rhode Island RICAS Grade 5 Math Practice Tests

A seven-step trail built for steady, brave thinking



Seven full tests, a concise review, and helpful support that turns Grade 5 practice in The Ocean State into steady, confident growth from page one to the final check.

Jay Daie and Reza Nazari



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Seven-Step Math Adventure, Rhode Island

Seven chances to grow your math mind one careful step at a time

Rhode Island Grade 5: This Trail Is for You

This practice book is your steady companion for seven tests, not a place to be perfect. Math is a lot like Narragansett Bay – small enough to see end to end, big enough to teach you patience.

Use these seven tests like stepping-stones. Take one test at a time, check your answers honestly, and notice which skills need more attention. Small improvements add up across seven rounds.

Notice

Notice the numbers, units, and any tricky words.

Sketch

Sketch a picture, table, or quick number line.

Confirm

Confirm your answer with an estimate or check.

A strong habit for Rhode Island mathematicians: read carefully, estimate when it helps, show your steps, and keep going even when a question feels tricky. That is how steady math confidence is built.

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Seven Steps, One Routine

A simple routine that turns practice into progress

Step 1: Plan

Plan a quiet hour for one full test.
Spend a few minutes waking up your memory before the test begins.

Step 2: Practice

Take the test with calm focus.
Work in a calm spot and focus on careful thinking before speed.

Step 3: Inspect

Inspect every answer like a careful builder.
Circle missed questions and notice which topics keep showing up.

Step 4: Adjust

Adjust what needs adjusting for the next test.
Read the explanation, repair the work, and bring that lesson into the next test.

A Good 7-Week Rhode Island Rhythm

Week 1	Take Test 1 like a calm Block Island sunrise.
Week 2	Take Test 2 and slow down on word problems.
Week 3	Take Test 3 and lift fraction and decimal work.
Week 4	Take Test 4 and pay close attention to labels and units.
Week 5	Take Test 5 and compare your habits with your first test.
Week 6	Take Test 6 and practice staying calm during tricky questions.
Week 7	Take Test 7 with calm, careful focus.



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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) Find $\frac{10^5}{10^2}$.

Record your answer in the space provided.

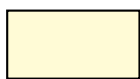
6) How many zeros are in the product 25×40 ?

 A. 1 B. 2 C. 3 D. 47) A rope is multiplied by $\frac{3}{4}$. Without calculating the exact length, is the new length greater than, less than, or equal to the original? A. Greater than original B. Less than original C. Equal to original D. Cannot determine

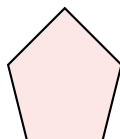
8) Error Check: Juan found the next number in pattern 2, 5, 10, 17, 26 by adding 5. Is this correct?

 A. Yes, the pattern is add 5 B. No, the differences increase: add 3, then 5, then 7, then 9 C. No, the pattern multiplies by 2 D. No, the pattern is subtract 1

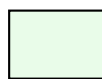
9) Which polygon is regular?



A



B



C



D

 A. A B. B C. C D. D

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1) A ribbon is 5 yards long. Each strip is one half yard. Which division equation matches the situation?

A. $\frac{1}{2} \div 5 = n$

B. $5 \times \frac{1}{2} = n$

C. $5 \div \frac{1}{2} = n$

D. $5 + \frac{1}{2} = n$

2) Which product is greatest?

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

B. $\frac{1}{4} \times \frac{1}{2}$

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

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

3) A trail team completed $\frac{7}{8}$ mile and then walked back $\frac{1}{3}$ mile. About how far from the starting point did they end? Which benchmark distance is closest?

A. 0 mile

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

C. 1 mile

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

4) Use $V = l \times w \times h$ to find the volume: $l = 8$, $w = 5$, $h = 3$.

Record your answer in the space provided.

5) What is $350 \div 10$?

A. 3,500

B. 35

C. 3.5

D. 0.35



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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 B is correct.** (5.MD.C.4) Base area = $21 \times 8 = 168 \text{ in}^2$. Height = $504 \div 168 = 3$ inches.
- 2) **Choice D is correct.** (5.OA.A.2) Both expressions use the same base amount, $(55 + 17)$. The first expression has 6 copies of that amount, while the second has 1 copy, so the first is greater.
- 3) **Choice D is correct.** (5.NBT.B.7) 0.32 is 0.02 away from 0.3. The decimal 0.47 is 0.17 away, and 0.68 is farther away.
- 4) **Choice C is correct.** (5.NF.B.4) $1\frac{1}{2} \times 1\frac{1}{2} = \frac{3}{2} \times \frac{3}{2} = \frac{9}{4} = 2\frac{1}{4}$ square inches.
- 5) **The correct answer is 1000.** (5.NBT.A.2) $\frac{100,000}{100} = 1,000$, which is 10^3 .
- 6) **Choice C is correct.** (5.NBT.A.2) First use $25 \times 4 = 100$. The 40 has one more zero to include, so the product becomes 1,000, which has 3 zeros.
- 7) **Choice B is correct.** (5.NF.B.5) Multiplying by a factor less than 1 makes a positive quantity smaller. Since $\frac{3}{4} < 1$, the new length is less than the original.
- 8) **Choice B is correct.** (5.OA.B.3) Differences: $5 - 2 = 3$, $10 - 5 = 5$, $17 - 10 = 7$, $26 - 17 = 9$. Next: $26 + 11 = 37$.
- 9) **Choice D is correct.** (5.G.B.3) The matching tick marks show that triangle D has 3 equal sides. An equilateral triangle also has 3 equal angles, making it a regular polygon.
- 10) **The correct answer is about 1.5.** (5.NF.A.2) $\frac{7}{8} \approx 1$ and $\frac{4}{9} \approx \frac{1}{2}$, so the estimate is $1\frac{1}{2}$. Accept $1\frac{1}{2}$, 1.5, or a clearly equivalent benchmark estimate.
- 11) **Choice B is correct.** (5.NF.B.5) $12 \times \frac{2}{3} = 8$. The scaling factor $\frac{2}{3}$ is less than 1, so the product is smaller than the original. Two-thirds of 12 is 8.
- 12) **Choice B is correct.** (5.NF.A.2) The bar for $\frac{1}{2}$ divides into 2 parts; the bar for $\frac{1}{4}$ divides into 4 parts. Common denominator is 4.
- 13) **Choice A is correct.** (5.MD.C.3) Work one prism at a time: $5 \times 3 \times 2 = 30$, $3 \times 3 \times 4 = 36$, and $2 \times 2 \times 2 = 8$. Add the non-overlapping volumes: $30 + 36 + 8 = 74$ cubic inches.
- 14) **Choice D is correct.** (5.NF.B.4) $\frac{3}{10} \times 4 = \frac{12}{10} = 1\frac{1}{5}$ (simplified).
- 15) **Choice C is correct.** (5.NBT.B.5) Multiply: $52 \times 18 = 52 \times (20 - 2) = (52 \times 20) - (52 \times 2) = 1,040 - 104 = 936$ cartridges.
- 16) **Choice A is correct.** (5.NF.A.1) Add: $\frac{1}{4} + \frac{1}{3} = \frac{3}{12} + \frac{4}{12} = \frac{7}{12}$ of the pizza.
- 17) **Choice A is correct.** (5.MD.A.1) Total needed: 5 feet 6 inches = 66 inches. Already bought: 2 feet 10 inches = 34 inches. Remaining: $66 - 34 = 32$ inches = 2 feet 8 inches.
- 18) **Choice B is correct.** (5.NBT.B.7) Add: $\$3.29 + \$2.74 = \$6.03$ (hundredths: $9 + 4 = 13$, regroup; tenths: $2 + 7 + 1 = 10$, regroup; dollars: $3 + 2 + 1 = 6$).
- 19) **Choice A is correct.** (5.NBT.A.4) The hundredths digit is 9. The thousandths digit is 4. Since $4 < 9$, keep hundredths as 9, giving 20.39.
- 20) **Choices A, B are correct.** (5.MD.B.2) Add the four lengths to get 4 inches in all. The value 1 inch appears twice, more than any other value; C and D do not match the line plot.
- 21) **Choice A is correct.** (5.NF.A.2) $\frac{3}{5} = \frac{6}{10}$. $\frac{6}{10} - \frac{1}{10} = \frac{5}{10} = \frac{1}{2}$.
- 22) **The correct answer is isosceles.** (5.G.B.4) Two side lengths are equal, so Triangle P is isosceles.
- 23) **Choice B is correct.** (5.NF.B.6) Each whole contains 8 pieces of size $\frac{1}{8}$. With 2 wholes, there are $2 \times 8 = 16$ pieces.
- 24) **Choice D is correct.** (5.MD.C.3) $V = 2 \times 3 \times 5 = 30$ cubic feet.
- 25) **Choice C is correct.** (5.MD.C.5) The base area is $13 \times 5 = 65$ square inches. Since $325 \div 65 = 5$, the height is 5 in.
- 26) **Choice D is correct.** (5.NBT.A.1) If we multiply by 10 to get 7.2, then the starting number was $7.2 \div 10 = 0.72$.
- 27) **Choice C is correct.** (5.NBT.A.2) Making one-tenth (dividing by 10): $2.4 \div 10 = 0.24$ cups of flour.
- 28) **Choice A is correct.** (5.MD.C.5) Add: $12.5 + 8.75 + 6.25 = 27.5$ meters.
- 29) **Choice B is correct.** (5.G.A.2) The bottom side connects (1, 2) and (5, 2), which are on the same horizontal line. The length is $5 - 1 = 4$ units.
- 30) **Choice D is correct.** (5.NF.B.6) $7 \div \frac{1}{4} = 7 \times 4 = 28$ pieces.



Seven-Test Success Note

Dear Student,

★ You did something important: you completed seven full practice tests. That takes patience, focus, and real effort. Every time you kept going—even when a problem felt tricky—you trained your brain to stay calm and solve step by step. ★

◇ **Here is the big win:** you now have experience. On test day, many questions will feel familiar because you practiced. Familiarity builds confidence, and confidence helps you think clearly. ◇

My Test-Day Checklist

- **Read carefully:** underline important numbers and words.
- **Show your work:** it helps you catch mistakes.
- **Check your answer:** ask, “Does this make sense?”
- **Stay steady:** if one problem is hard, skip it and come back.

Remember: you don't need to be perfect to do well. You just need to use your strategies and keep trying—the same way you did in practice.

Want to share a proud moment from your practice? Email me at reza@testinar.com.

Reza Nazari & Jay Daie

Your Math Coaches (Practice Makes Progress)

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PRACTICE TODAY. PERFORM TOMORROW.

Success in math starts with practice! This book provides the **practice, confidence, and skills** your child needs to excel on the Grade 5 Math test and beyond.

KEY BENEFITS:



TARGETED PRACTICE

Focus on the most important Grade 5 math skills.



STANDARD-ALIGNED

All tests align with state standards for Grade 5.



BUILD CONFIDENCE

Strengthen skills, reduce test anxiety, and boost confidence.



IMPROVE PERFORMANCE

Timed practice helps improve speed and accuracy.



ACHIEVE SUCCESS

Develop strong test-taking skills and achieve your best score!

PERFECT FOR:

✓ Classroom Practice

✓ Homework Help

✓ Test Preparation

✓ Summer Learning

✓ On-the-Go Practice

✓
PRACTICE
PREPARE
SUCCEED



STRONG SKILLS. BRIGHT FUTURE.

Give your child the tools they need to succeed in math and in life!



Visit testinar.com/math5 for more Grade 5 math resources and practice materials!



TRUSTED
BY PARENTS

Quality resources you can trust.



DESIGNED
FOR SUCCESS

Proven practice for real results.



SUPPORT
YOUR CHILD

Every step of the way.