

4

COMPLETE

South Carolina SC READY

Grade **MATH**

PRACTICE TESTS

5

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



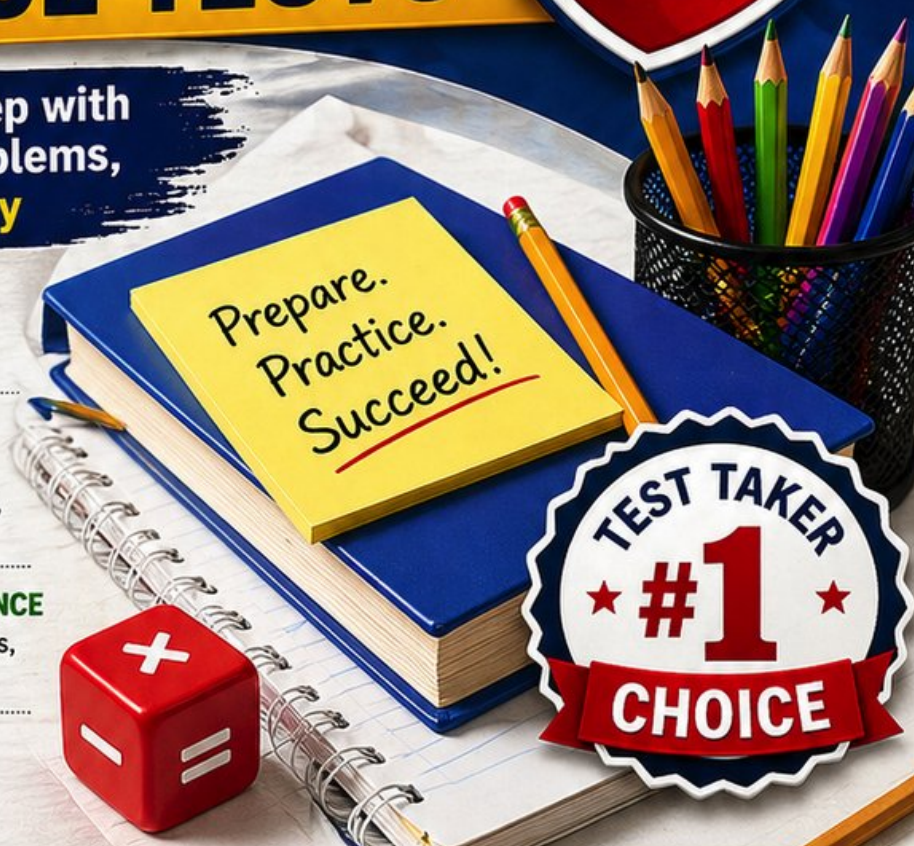
- ✓ **COVERS ALL ESSENTIAL TOPICS**
Numbers & Operations, Fractions, Decimals, Geometry, Measurement, Data & Probability, and more



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



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



**TEST TAKER
#1
CHOICE**



**BUILD STRONG
MATH SKILLS
& TEST READINESS**



**IMPROVE ACCURACY,
SPEED, AND
PROBLEM SOLVING**



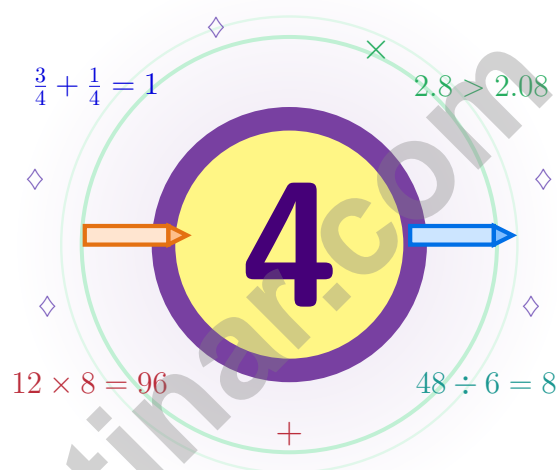
**PERFECT FOR
CLASSROOM,
HOME, OR
SELF-STUDY**



**ALIGNED TO
SOUTH CAROLINA
STATE STANDARDS
(SC READY)**

4 South Carolina SC READY Grade 5 Math Practice Tests

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



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

Jay Daie and Reza Nazari



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South Carolina Math Crew, Welcome Aboard

Four practice tests, four growth checks, one calm routine

To the Grade 5 Explorer in South Carolina

This book gives you four chances to read closely, solve carefully, and level up your math thinking. Math practice grows like a palmetto – tall, flexible, and ready for any breeze.

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.

Read Slow

Read each word twice
and underline what is
asked.

Choose Smart

Pick the operation,
model, or sketch that
fits.

Grow

Use missed questions as
clues for what to learn
next.

A strong mission habit for South Carolina: 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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How to Get the Most Out

A four-step routine that turns practice into real improvement

Step 1: Warm Up

Sharpen your math brain with the quick review.

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

Step 2: Mission Run

Take a full practice test in a calm spot.

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

Step 3: Debrief

Score honestly and circle missed questions.

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

Step 4: Repair Kit

Fix the missed work and lock the lesson in.

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

A Four-Week South Carolina Mission Map

Week	Mission Focus
Week 1	Take Test 1 like a Charleston morning – warm, careful, friendly.
Week 2	Take Test 2 and lift word problems and step-showing.
Week 3	Take Test 3 to polish fractions, decimals, and conversions.
Week 4	Take Test 4 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)

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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

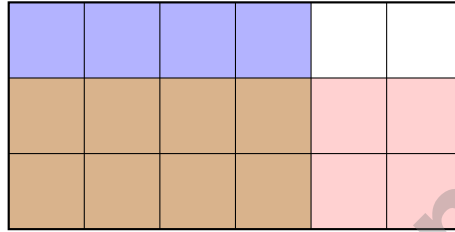


1) Simplify then multiply: $\frac{8}{12} \times \frac{3}{4}$. What is the result?

- A. $\frac{24}{36}$
 B. $\frac{1}{2}$

- C. $\frac{1}{3}$
 D. $\frac{5}{6}$

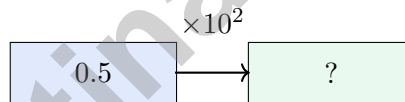
2) Which pair of fractions would have a product that matches the shaded overlap region shown?



- A. $\frac{2}{3} \times \frac{3}{6}$
 B. $\frac{4}{6} \times \frac{2}{3}$

- C. $\frac{3}{6} \times \frac{2}{3}$
 D. $\frac{4}{6} \times \frac{3}{6}$

3) What is 0.5×10^2 ?

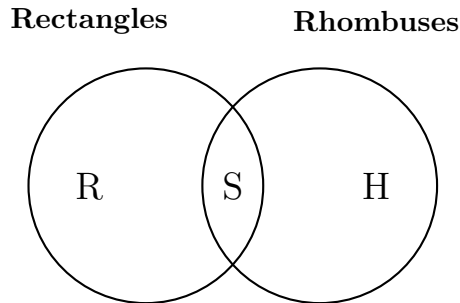


- A. 5
 B. 50

- C. 500
 D. 0.05



- 4) In the standard Grade 5 hierarchy, a square is both a rectangle and a rhombus. The Venn diagram has one circle for rectangles and one circle for rhombuses:



What type of quadrilateral should label S represent?

- A. A pentagon C. A triangle
 B. A rectangle with unequal side lengths D. A square
- 5) Compare: $(45 \div 5) + 10$ $45 \div (5 + 10)$
- A. > C. =
 B. < D. Cannot tell
- 6) Which symbol makes this statement true? $7 \times \frac{2}{3}$ 7×1



- A. Cannot determine C. >
 B. = D. <
- 7) A rectangular prism has a volume of 504 cubic centimeters. The dimensions are 12 cm, 7 cm, and an unknown height. What is the height?
- A. 5 cm C. 8 cm
 B. 6 cm D. 10 cm



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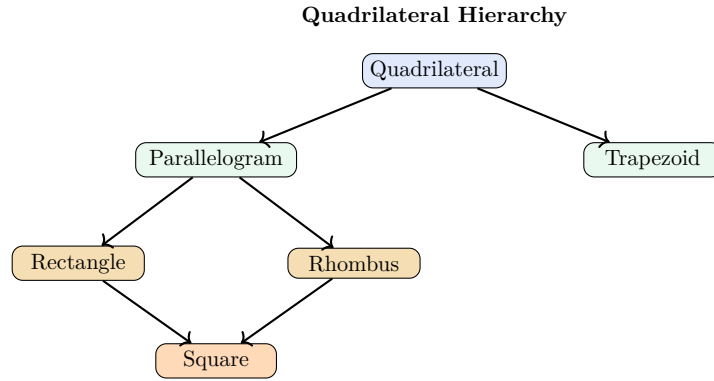
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1)

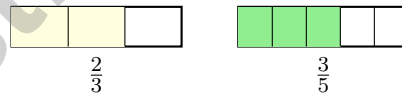
According to the hierarchy, which is true?

- A. Every rectangle is a square.
- B. Every parallelogram is a trapezoid.
- C. Every trapezoid is a parallelogram.
- D. Every square is a rectangle.

2) What is $6 \div \frac{1}{3}$?

- A. 18
- B. 2
- C. 12
- D. 6

3) Fraction bars for $\frac{2}{3}$ and $\frac{3}{5}$ are shown. What common denominator aligns both?



- A. 8
- B. 6
- C. 10
- D. 15

4) Pattern: 6, 11, 16, 21, ... What's the rule?

- A. Add 5
- B. Multiply by 2
- C. Add 4
- D. Subtract 5



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1) What is 9.2×1000 ?

- A. 92
 B. 920

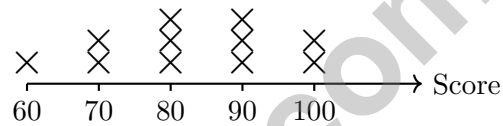
- C. 9200
 D. 92000

2) A supply bin has volume 90 cubic meters. Its base is 10 meters by 3 meters. What is its height?

- A. 2 meters
 B. 4 meters

- C. 30 meters
 D. 3 meters

3) The line plot shows test scores for a class:



How many students scored between 70 and 90 (inclusive)?

- A. 6 students
 B. 7 students

- C. 8 students
 D. 9 students

4) Pattern A is 1, 2, 3, 4, ... and Pattern B is 3, 6, 9, 12, If Pattern A gives the x -value and Pattern B gives the y -value, what ordered pair comes next?

- A. (4, 15)
 B. (5, 12)

- C. (6, 15)
 D. (5, 15)

5) A rounding decision tree: To round 9.473 to the nearest tenth, which digit do you look at first?

- A. The ones digit (9)
 B. The tenths digit (4)

- C. The hundredths digit (7)
 D. The thousandths digit (3)



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1) A rectangular prism has dimensions of 11 cm, 11 cm, and 11 cm. What is its volume?

- A. 1021 cubic centimeters C. 1221 cubic centimeters
 B. 1111 cubic centimeters D. 1331 cubic centimeters

2) Marcus ran $3\frac{1}{9}$ miles Monday and $2\frac{7}{8}$ miles Tuesday. Estimate the total distance.

- A. 5 miles C. 7 miles
 B. 8 miles D. 6 miles

3) Evaluate: $\{ [(50 - 20) \div 2] + 5 \}$

- A. 35 C. 30
 B. 25 D. 20

4) Without calculating both products, which expression has the larger value?

A: $\frac{2}{3} \times 24$ B: $\frac{4}{5} \times 24$

Record A or B in the space provided.

5) Compare without calculating: 12×9 $(12 \times 10) - 12$

- A. > C. =
 B. < D. Cannot tell



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

- Choice B is correct.** (5.PAFR.3.2) Simplify $\frac{8}{12} = \frac{2}{3}$. Then $\frac{2}{3} \times \frac{3}{4} = \frac{6}{12} = \frac{1}{2}$.
- Choice B is correct.** (5.MGSR.1.2) The blue region covers 4 out of 6 columns. The red region covers 2 out of 3 rows. The overlap is $\frac{4}{6} \times \frac{2}{3}$.
- Choice B is correct.** (5.NR.1.4) Multiplying by 10^2 moves the decimal 2 places right: $0.5 \times 100 = 50$.
- Choice D is correct.** (5.MGSR.1.1) A square is both a rectangle and a rhombus, so it belongs in the intersection.
- Choice A is correct.** (5.PAFR.1.1) The first expression divides by 5 and then adds 10. The second expression divides 45 by a larger divisor, $5 + 10$, so it is much smaller.
- Choice D is correct.** (5.PAFR.3.2) $\frac{2}{3} < 1$, so $7 \times \frac{2}{3} < 7 \times 1$.
- Choice B is correct.** (5.MGSR.1.2) The base area is $12 \times 7 = 84$ square centimeters. Since $504 \div 84 = 6$, the height is 6 cm.
- The correct answer is 2.5.** (5.MGSR.2.1) $2,500 \div 1,000 = 2.5$ kg. Since 1,000 grams make 1 kilogram, divide by 1,000.
- Choice D is correct.** (5.NR.1.1) Align decimals: $3.40 + 0.27$. Hundredths: $0 + 7 = 7$; tenths: $4 + 2 = 6$; ones: $3 + 0 = 3$. Sum is 3.67.
- Choice C is correct.** (5.PAFR.2.3) Start with one unit fraction, $\frac{1}{4}$, and share it into 4 equal parts. Each part is $\frac{1}{4} \div 4 = \frac{1}{16}$ of the whole.
- Choice D is correct.** (5.MGSR.3.1) The first coordinate tells the distance right from the origin, and the second coordinate tells the distance up. The point is 6 units right and 3 units up, so the ordered pair is (6, 3).
- The correct answer is 18.** (5.PAFR.2.3) Each whole has 3 one-third pieces. Six wholes have $6 \times 3 = 18$ one-third pieces, so the quotient is 18.
- Choice D is correct.** (5.NR.1.1) 0.8 is farther right on the number line than 0.4, so 0.8 is farther from 0.
- Choice D is correct.** (5.MGSR.1.2) A cube that is 1 meter on each edge is 100 centimeters on each edge. It would have 100 layers, with $100 \times 100 = 10,000$ cubic centimeters in each layer. So $10,000 \times 100 = 1,000,000$ cubic centimeters.
- Choice B is correct.** (5.PAFR.2.2) Common denominator is 30: $\frac{2}{5} = \frac{12}{30}$ and $\frac{1}{6} = \frac{5}{30}$. So $\frac{12}{30} + \frac{5}{30} = \frac{17}{30}$.
- Choice B is correct.** (5.MGSR.1.1) When all three angles in a triangle are less than 90 degrees, the triangle is called acute.
- The correct answer is 23.** (5.MGSR.3.1) The terms are 7, 11, 15, 19, 23, so the 5th term is 23. A complete response explains that the pattern adds 4 each step.
- Choice A is correct.** (5.PAFR.2.3) Divide a unit fraction by a whole number: $\frac{1}{4} \div 5 = \frac{1}{4} \times \frac{1}{5} = \frac{1}{20}$ pound per student.
- Choice A is correct.** (5.MGSR.1.2) X: $13 \times 5 \times 3 = 195 \text{ m}^3$. Y: $12 \times 5 \times 3 = 180 \text{ m}^3$. Prism X is larger.
- Choices A, B, C are correct.** (5.MGSR.1.2) Volume counts cubic units, so multiply length, width, and height. Adding the dimensions does not find the space inside.
- The correct answer is $\frac{13}{24}$.** (5.NR.2.1) The least common denominator of 8 and 6 is 24. Rewrite $\frac{3}{8}$ as $\frac{9}{24}$ and $\frac{1}{6}$ as $\frac{4}{24}$. Then $\frac{9}{24} + \frac{4}{24} = \frac{13}{24}$.
- Choice D is correct.** (5.DPSR.1.2) At $\frac{1}{4}$ cup there are 2 recipes, at $\frac{3}{4}$ cup there are 3 recipes, at $1\frac{3}{4}$ cups there are 2 recipes, and at $2\frac{3}{4}$ cups there is 1 recipe. Total: $(\frac{1}{4} \times 2) + (\frac{3}{4} \times 3) + (1\frac{3}{4} \times 2) + (2\frac{3}{4} \times 1) = 9$ cups.
- The correct answer is 20 mi.** (5.MGSR.3.2) The x-coordinate is 4, so it shows 4 hours. The y-coordinate is 20, so it shows 20 miles. Accept equivalent interpretations that correctly match 4 with hours and 20 with miles.
- Choice A is correct.** (5.MGSR.2.1) Since 1 pint = 2 cups, multiply 4 by 2: $4 \times 2 = 8$ cups.
- Choice C is correct.** (5.PAFR.3.4) Multiply: $1,200 \times 12 = 14,400$ dollars annually.
- Choice B is correct.** (5.MGSR.1.2) The bottom layer has 8 cubes, and the box is 4 layers tall. Multiply $8 \times 4 = 32$ unit cubes.
- Choice C is correct.** (5.PAFR.1.2) Calculate each partial product: $(30 \times 20) + (8 \times 20) + (30 \times 4) + (8 \times 4) = 600 + 160 + 120 + 32 = 912$.



A Mentor's Quiet Encouragement

To My Thoughtful Student,

◇ I want to take a moment, away from the noise of practice, to tell you something true: you have done excellent work. 4 practice tests is a real commitment. Most students do not finish what they start. You did. ◇

★ **What mentors notice:** growth is quiet. It doesn't shout. But it shows up in how you tackle a problem today versus how you tackled it weeks ago. That growth is your real prize. ★

What I See In You

- **Determination:** DEEP. You don't quit when problems get tough.
- **Curiosity:** BRIGHT. You wonder why and how, not just "what's the answer."
- **Self-Awareness:** REAL. You know what you understand and what you're learning.
- **Kindness:** CONSISTENT. You're patient with yourself.

Mentor's note: on test day, treat yourself like you'd treat a friend. Be patient. Be encouraging. Be kind. The same skills that helped you finish 4 tests will carry you through the real one.

If you want to share a proud moment or ask a question, please email me at jay@testinar.com. I'd love to hear from you!

Jay Daie

Your Math Mentor (Quietly Cheering)

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.



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



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



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



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Math Skills



Improve
Accuracy
& Speed



Master
Essential
Concepts



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