

$\frac{2}{3}$

FULL-LENGTH

$\frac{2}{4}$

South Carolina

$7 \times 8 =$

$0,25$



Aligned to State Standards

SC READY

7×8

MATH

$56 \div 7$

Grade

5

$(a+b)^2$

PRACTICE TESTS

Complete State Standards Review
with Answer Key and
Essential Math Skills Practice



3 Full-Length Practice Tests
Aligned to State Standards



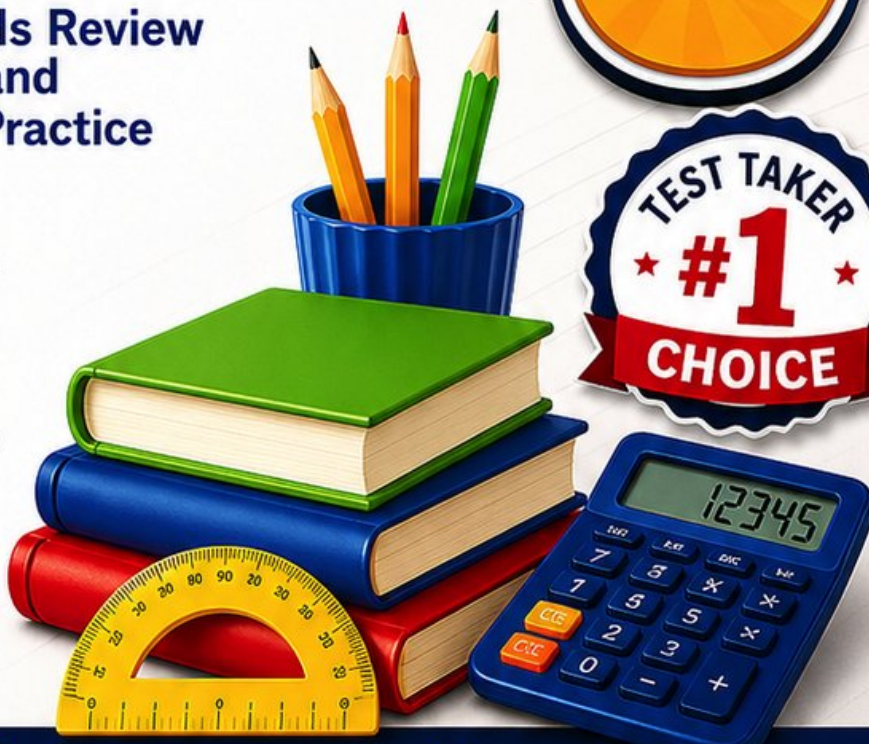
Covers All Grade 5 Math Topics
Numbers & Operations, Fractions,
Decimals, Geometry, Measurement,
Data & Problem Solving



Build Confidence
Strengthen Skills • Improve Accuracy
• Boost Test Readiness



Detailed Answer Key
Step-by-Step Explanations
for All Questions



WRITTEN FOR
GRADE 5 STUDENTS



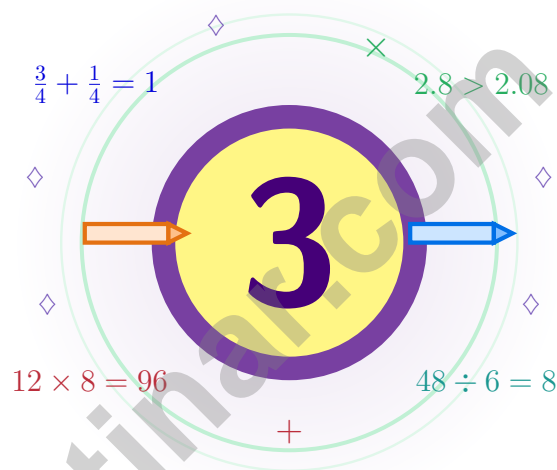
PERFECT FOR
TEST PREP & REVIEW



CLASSROOM, HOME,
OR SELF-STUDY USE

3 South Carolina SC READY Grade 5 Math Practice Tests

Palmetto math for thinkers who stand tall and friendly



Three full tests, a friendly quick review, smart strategy pages, and student-tested support that help Grade 5 mathematicians from The Palmetto State walk in ready to think.

Jay Daie and Reza Nazari



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South Carolina, Welcome to Your Practice Studio

Palmetto math for thinkers who stand tall and friendly

South Carolina Grade 5: This Is for You

Math practice grows like a palmetto – tall, flexible, and ready for any breeze.

Some questions will feel easy from the very first read. Others will ask you to pause, sketch, estimate, or try again. That is not a problem. That is practice doing exactly what it should do. Every honest attempt grows your math brain a little stronger.

Watch

Watch what the problem actually wants from you.

Choose

Choose the operation, model, or table that fits.

Polish

Check labels, units, and the final word of the question.

A South Carolina promise to yourself: I will stand tall like a palmetto and bend kindly when the wind of a hard problem hits.

Three Tests, One Routine

A simple game plan that turns practice into real progress

Step 1: Open

Open the quick review and warm up your math brain.

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

Step 2: Test

Take a full practice test like the real day.

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

Step 3: Reflect

Notice what felt strong and what felt shaky.

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

Step 4: Sharpen

Practice the shaky skills, then try the next test.

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

Three-Week Math Boot Camp

Week 1	Take Test 1 and write down one thing you noticed about your work.
Week 2	Take Test 2 and aim to fix one habit you noticed last week.
Week 3	Take Test 3 and celebrate the habits you carried through.



Scan me

About These Three Tests

What these practice tests help Grade 5 students build

These three practice tests prepare Grade 5 students in the Palmetto State for the South Carolina SC READY with the warm patience of a Charleston morning. The goal is bigger than getting answers right. Students are practicing how to read with care, choose a strategy, solve step by step, and explain their reasoning clearly – the same way mathematicians do every single day.

Selected-Response Questions

Students solve the problem and choose the best answer. Estimating first, ruling out weak choices, and checking for reasonableness can save both time and points.

Constructed-Response Questions

Students show their steps, explain a method, or back up an answer with clear math. Clean reasoning matters because it shows how the answer was actually found.

Grade 5 Ideas That Show Up Again and Again

- place value, comparing numbers, and rounding
- multi-digit addition, subtraction, multiplication, and division
- fractions, mixed numbers, and decimals
- perimeter, area, volume, and measurement conversions
- line plots, tables, numerical patterns, and coordinate points
- geometry and multi-step real-world problems

What strong work looks like on the SC READY: the math is correct, the steps are readable, the labels and units match the problem, and the final answer truly answers the question being asked.



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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



- 1) A garden planter measures 11 inches long, 5 inches wide, and 7 inches tall. What is its volume?
- A. 55 cubic inches C. 77 cubic inches
 B. 385 cubic inches D. 35 cubic inches
- 2) A recipe scales ingredients. Base recipe uses 3 cups flour. For 2 batches: 6 cups. For 4 batches: 12 cups. For 5 batches: ?

Number of Batches	Cups of Flour
1	3
2	6
4	12
5	?

- A. 12 C. 18
 B. 15 D. 20
- 3) How many zeros are in the product 500×800 ?
- A. 4 C. 6
 B. 5 D. 7
- 4) On a coordinate grid, a point at (3, 9) shows a garden is 3 units right and 9 units up from the origin. What does the y -coordinate tell you?

Record your answer in the space provided.



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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

- Choice B is correct.** (5.MGSR.1.2) Use the rectangular-prism volume formula: $11 \times 5 \times 7 = 385$. So the volume is 385 cubic inches.
- Choice B is correct.** (5.MGSR.3.2) Cups of Flour = $3 \times$ Batches. For 5 batches: $3 \times 5 = 15$ cups.
- Choice B is correct.** (5.NR.1.4) Use $5 \times 8 = 40$, then include the four zeros from 500 and 800. That gives 400,000, which has 5 zeros.
- The correct answer is 9 units up.** (5.MGSR.3.1) In (3, 9), the second coordinate is the y -coordinate. It tells how far up the point is from the origin.
- Choice D is correct.** (5.PAFR.2.3) $7 \div \frac{1}{2} = 7 \times 2 = 14$. We need 14 bottles.
- Choice A is correct.** (5.NR.2.1) The GCF of 16 and 20 is 4. Dividing both by 4: $\frac{16}{20} = \frac{16 \div 4}{20 \div 4} = \frac{4}{5}$.
- Choice A is correct.** (5.PAFR.2.3) The shaded part is $\frac{1}{6}$. Dividing by 2: $\frac{1}{6} \div 2 = \frac{1}{12}$.
- The correct answer is 0.85.** (5.NR.1.4) Move the decimal point three places left: $850 \rightarrow 0.85$.
- Choice A is correct.** (5.PAFR.3.4) Find the total spent before subtracting from 50. The 3 items cost $3 \times 5 = 15$, lunch costs \$7, and together that is $15 + 7 = 22$. The expression $50 - [(3 \times 5) + 7]$ shows the money left.
- The correct answer is 48.** (5.MGSR.1.2) There are 8 cubes in each row and 3 rows per layer, so each layer has 24 cubes. Two layers make $24 \times 2 = 48$ cubes.
- Choice A is correct.** (5.MGSR.1.2) The base area is 24 square feet. Since $216 \div 24 = 9$, the height is 9 ft.
- Choice C is correct.** (5.PAFR.3.2) $2\frac{1}{2} = \frac{5}{2}$ and $4\frac{1}{2} = \frac{9}{2}$. Multiply: $\frac{5}{2} \times \frac{9}{2} = \frac{45}{4} = 11\frac{1}{4}$ square feet.
- Choice B is correct.** (5.PAFR.2.1) Add wholes: $4 + 3 = 7$. Add fractions: $\frac{3}{5} + \frac{2}{5} = 1$. Total: 8.
- Choice A is correct.** (5.PAFR.2.3) Use total amount divided by the size of one piece. The equation is $7 \div \frac{1}{2} = n$.
- Choice A is correct.** (5.MGSR.3.2) The second coordinates follow 2, 5, 8, 11, adding 3 each step. The plotted points are (1,2), (2,5), (3,8), and (4,11), so they match.
- Choice C is correct.** (5.MGSR.1.2) Prism A: $8 \times 6 \times 5 = 240 \text{ cm}^3$. Prism B: $10 \times 4 \times 6 = 240 \text{ cm}^3$. Since the volumes match, both prisms use the same amount of clay.
- Choice D is correct.** (5.NR.1.3) The number line shows 1.2 divided into four jumps of 0.3 each. Therefore, $1.2 \div 0.3 = 4$.
- Choice A is correct.** (5.PAFR.1.1) "Three times 4" becomes 3×4 . The phrase asks for the sum of 15 and that product, so use $15 + 3 \times 4$.
- Choice A is correct.** (5.NR.2.1) LCM of 2, 3, and 4 is 12. $\frac{1}{2} = \frac{6}{12}$, $\frac{1}{3} = \frac{4}{12}$, $\frac{1}{4} = \frac{3}{12}$.
- Choice B is correct.** (5.PAFR.1.4) Each batch needs $\frac{2}{3}$ cup, and there are 3 batches. Multiply the 3 batches by the amount for one batch: $3 \times \frac{2}{3} = \frac{6}{3} = 2$ cups.
- Choice A is correct.** (5.PAFR.1.2) Multiply: $347 \times 5 = (300 \times 5) + (40 \times 5) + (7 \times 5) = 1,500 + 200 + 35 = 1,735$.
- Choices A, B are correct.** (5.MGSR.1.2) Volume measures the space inside a three-dimensional figure and is counted in cubic units. Choices C and D describe flat area or two-dimensional figures.
- Choice A is correct.** (5.PAFR.2.2) Removed: $\frac{1}{5} + \frac{2}{7} = \frac{7}{35} + \frac{10}{35} = \frac{17}{35}$. Remaining: $1 - \frac{17}{35} = \frac{18}{35}$ cup.
- Choice A is correct.** (5.MGSR.1.2) Overlap area = $\frac{3}{8} \times \frac{2}{5} = \frac{6}{40}$.
- The correct answer is $4\frac{1}{4}$ feet.** (5.DPSR.1.2) $3 \times \frac{3}{4} + 2 \times \frac{1}{2} + 1 = 2\frac{1}{4} + 1 + 1 = 4\frac{1}{4}$ feet.
- Choice D is correct.** (5.PAFR.3.2) $24 \times \frac{1}{6} = 4$ students are absent. Scaling down by $\frac{1}{6}$ gives a smaller number.
- Choice A is correct.** (5.PAFR.3.2) There are 12 equal cells. The double-shaded overlap covers 4 cells, so the product is $\frac{4}{12} = \frac{1}{3}$.
- Choice C is correct.** (5.MGSR.1.1) Figure C is a rectangle with unequal side lengths. It has four right angles, but it does not have four equal sides, so it is not a square.
- Choice D is correct.** (5.NR.1.4) Multiplying by 1,000 moves the decimal three places right, so 1.99 becomes 1,990.
- Choice B is correct.** (5.PAFR.1.1) The left side is 0 because zero times any number is 0. The right side is a positive sum, so the left side is less than the right side.



Dear Math Champion,

◇ Look at what you did. 3 full practice tests. Hundreds of math problems. Every one of them strengthened your mind. You walked into this prep series as a learner, and you are walking out as a math athlete who knows how to compete. ◇

★ **What champions know:** talent is helpful, but training is everything. You trained. You showed up. You did the work. That is why your skills are sharp today. ★

Champion's Skill Card

- **Focus:** MAXED OUT! You can lock onto a problem and stay there.
- **Speed:** CALIBRATED! You move quickly without rushing.
- **Accuracy:** HIGH! You catch your own mistakes.
- **Mindset:** CHAMPION-LEVEL! You believe in your skills.

Final champion tip: on test day, walk in like you have trained for it—because you have. Sit down. Breathe. Read carefully. Work steadily. Check confidently. You will be amazed at how prepared you actually are.

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 Coaches (Champion-in-Training)

Build Skills. Boost Confidence. Excel on the Grade 5 Math Test.

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