

# 7

## South Carolina

### SC READY

#### 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



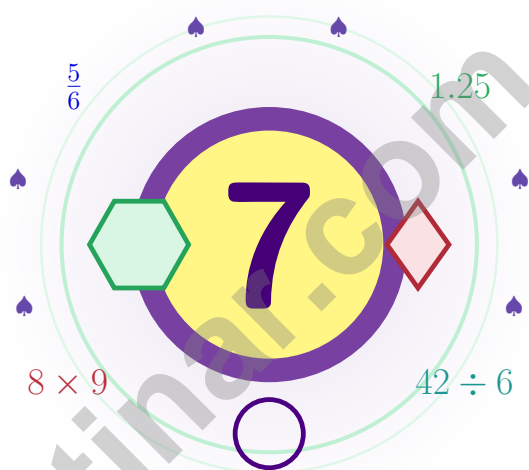
**ACHIEVE SUCCESS**

Develop skills,  
stay prepared,  
excel on test day

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

# 7 South Carolina SC READY Grade 5 Math Practice Tests

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



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

**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 ©*

# South Carolina, Steady Practice Starts Here

Seven full tests, seven lessons, one stronger mathematician

## To Every Math Brain in South Carolina

This practice book is your steady companion for seven tests, not a place to be perfect. Math practice grows like a palmetto – tall, flexible, and ready for any breeze.

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.

### Look

Look at the problem like a detective looks at a clue.

### Test

Test your idea with one careful step at a time.

### Grow

Grow stronger by reviewing exactly what tripped you up.

**A strong habit for South Carolina 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.

Testinar.com



Scan me



# Use This Book Like a Trail Guide

A simple routine that turns practice into progress

## Step 1: Read

**Read the quick review pages first.**  
Spend a few minutes waking up your memory before the test begins.

## Step 2: Try

**Try one full test with full attention.**  
Work in a calm spot and focus on careful thinking before speed.

## Step 3: Reflect

**Reflect on which skills want more sunlight.**  
Circle missed questions and notice which topics keep showing up.

## Step 4: Lift

**Lift those skills before the next test.**  
Read the explanation, repair the work, and bring that lesson into the next test.

## A Good 7-Week South Carolina Rhythm

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



# Table of Contents

★ Practice Test 1	_____	20
★ Practice Test 2	_____	37
★ Practice Test 3	_____	52
★ Practice Test 4	_____	67
★ Practice Test 5	_____	82
★ Practice Test 6	_____	96
★ Practice Test 7	_____	111
<b>Practice Test Answer Keys</b>	_____	127
<b>Practice Test Answers and Explanations</b>	_____	132

## 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

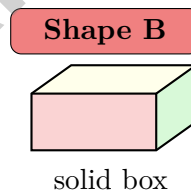
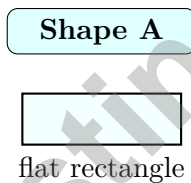
1 minute (min) = 60 seconds (sec)    1 week = 7 days

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

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



- 1) What is the least common denominator for  $\frac{1}{9}$  and  $\frac{2}{3}$ ?
- A. 3  C. 9  
 B. 6  D. 27
- 2) During a bike-a-thon, a team rides 42.5 miles in the first stage, 38.25 miles in the second stage, and 45.75 miles in the third stage. What is the team's total distance?
- A. 115.5 miles  C. 125.5 miles  
 B. 130.5 miles  D. 126.5 miles
- 3) A print shop needs to bind 1,989 pages into books of 23 pages each. After making as many complete books as possible, how many pages remain?
- A. 2 pages  C. 11 pages  
 B. 10 pages  D. 21 pages
- 4) Which choice correctly distinguishes between area and volume?



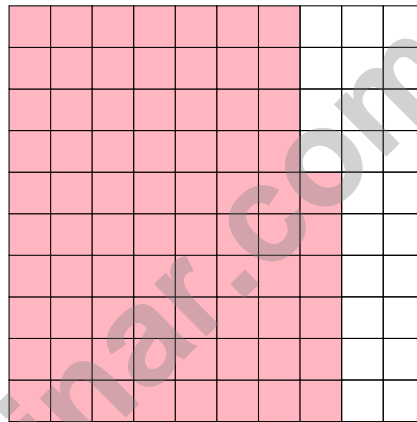
- A. Area is flat; volume fills space  C. Volume is 2D; area is 3D  
 B. Area is larger than volume  D. Area and volume are the same
- 5) Subtract and simplify:  $\frac{11}{12} - \frac{1}{4}$
- A.  $\frac{10}{12}$   C.  $\frac{2}{3}$   
 B.  $\frac{7}{12}$   D.  $\frac{5}{12}$



6) Find:  $7.05 \times 10^5$ .

*Record your answer in the space provided.*

7) What decimal is represented by the shaded grid?



A. 0.67

B. 0.76

C. 7.6

D. 76

8) Convert:  $750 \text{ cm} = ? \text{ m}$ .

*Record your answer in the space provided.*



## 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 roll has 6 meters of paper. Each craft uses one fourth meter. Which division equation matches the situation?

A.  $\frac{1}{4} \div 6 = n$

C.  $6 \div \frac{1}{4} = n$

B.  $6 \times \frac{1}{4} = n$

D.  $6 + \frac{1}{4} = n$

2) A bakery packages cookies in containers. There are 29 containers with 16 cookies each. How many cookies are packaged?

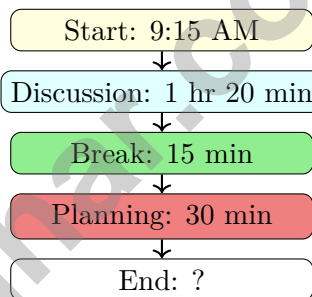
A. 460

C. 470

B. 480

D. 464

3) A meeting starts at 9:15 AM. It includes 1 hour 20 minutes of discussion, a 15-minute break, and 30 minutes of planning. What time does it end?



A. 11:00 AM

C. 11:20 AM

B. 11:05 AM

D. 11:30 AM



## 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) Compare without computing:  $5 \times (240 + 80)$  and  $240 + 80$ .
- A. Equal  C. First is 5 less than the second  
 B. First is  $\frac{1}{5}$  of the second  D. First is 5 times the second
- 2) A price is \$5.944. Round to nearest cent (hundredth).
- A. \$5.90  C. \$5.95  
 B. \$5.94  D. \$6.00
- 3) A paint container holds  $\frac{1}{6}$  litre. This paint is to be divided equally among 3 artists. How much paint does each artist get?
- A.  $\frac{1}{2}$  litre  C.  $\frac{1}{6}$  litre  
 B.  $\frac{1}{18}$  litre  D.  $\frac{1}{3}$  litre
- 4) Which expression equals 5.6?
- A.  $0.56 \times 10$   C.  $56 \times 10$   
 B.  $0.56 \times 100$   D.  $560 \times 10$
- 5) Three teams share a prize of \$240. Each team then spends \$15 on supplies. Which expression represents how much each team has left?
- A.  $(240 - 15) \div 3$   C.  $240 - 15 \times 3$   
 B.  $240 \div 3 + 15$   D.  $(240 \div 3) - 15$
- 6) A storage box is 10 inches long, 8 inches wide, and 6 inches tall. What is the volume?
- A.  $240 \text{ in}^3$   C.  $480 \text{ in}^3$   
 B.  $360 \text{ in}^3$   D.  $520 \text{ in}^3$



## 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) Which shows the correct quotient and remainder?

Choice	Division	Quotient	Remainder
A	$850 \div 25$	34	1
B	$963 \div 18$	53	9
C	$741 \div 39$	18	0
D	$1,024 \div 32$	32	1

A. A

C. C

B. B

D. D

2) A construction graph records bricks. The x-axis shows hours, and the y-axis shows bricks laid. What does the point (10, 200) mean?

A. hours is 200 when bricks laid is 10

C. bricks laid is 10 when hours is 200

B. hours and bricks laid are both 210

D. bricks laid is 200 when hours is 10

3) Pattern A is 0, 2, 4, 6, 8, ... Pattern B is 0, 6, 12, 18, 24, ... For the nonzero matching terms, each Pattern B value is how many times the Pattern A value?

*Record your answer in the space provided.*

4) A science kit box measures 6 meters long, 7 meters wide, and 7 meters tall. What is its volume?

A. 42 cubic meters

C. 20 cubic meters

B. 49 cubic meters

D. 294 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.**

Testinar.com



## Practice Test Answers and Explanations

### Practice Test 1 Answers and Explanations

- Choice C is correct.** (5.NR.2.1) Multiples of 9: 9, 18, 27, ... Multiples of 3: 3, 6, 9, ... The LCD is 9.
- Choice D is correct.** (5.PAFR.3.4) Choose the operation from the story, then keep the unit with the answer. Add:  $42.5 + 38.25 + 45.75 = 126.5$  miles.
- Choice C is correct.** (5.NR.1.3)  $23 \times 86 = 1,978$ . Since  $1,989 - 1,978 = 11$ , the division is  $1,989 \div 23 = 86$  R11, so 11 pages remain.
- Choice A is correct.** (5.MGSR.1.2) Area measures flat 2D shapes; volume measures 3D solid figures. Area uses square units, volume uses cubic units.
- Choice C is correct.** (5.PAFR.2.1)  $\frac{1}{4} = \frac{3}{12}$ ,  $\frac{11}{12} - \frac{3}{12} = \frac{8}{12} = \frac{2}{3}$ .
- The correct answer is 705000.** (5.NR.1.4) Move the decimal point five places right (filling in zeros):  $7.05 \rightarrow 705,000$ .
- Choice B is correct.** (5.NR.1.1) 76 out of 100 squares shaded represents  $\frac{76}{100} = 0.76$ .
- The correct answer is 7.5 m.** (5.MGSR.2.1)  $750 \div 100 = 7.5$  m. Since 100 centimeters make 1 meter, divide centimeters by 100.
- The correct answer is  $\frac{1}{8}$ .** (5.PAFR.2.3)  $\frac{1}{4} \div 2 = \frac{1}{4} \times \frac{1}{2} = \frac{1}{8}$ .
- The correct answer is 10.** (5.PAFR.1.1) The expression  $(45 - 9)$  is the original amount. Multiplying it by 10 makes 10 copies of that amount.
- Choice B is correct.** (5.NR.1.4) The diagram moves from 9.1 to 0.091, which is smaller. Moving two places left means dividing by 100.
- Choice A is correct.** (5.MGSR.1.1) The arrows show that the top and bottom sides are parallel. They never intersect and are always the same distance apart.
- Choice C is correct.** (5.PAFR.1.1) "Twice" means multiply by 2. Since it is twice the whole sum, group  $8 + 5$  first:  $2 \times (8 + 5)$ .
- Choice B is correct.** (5.MGSR.3.2) Both points have the same  $y$ -coordinate (6), forming a horizontal line. The distance is  $9 - 1 = 8$  units.
- Choice B is correct.** (5.PAFR.2.3) Since  $7 \div \frac{1}{4} = 7 \times 4 = 28$ , the whole number is 7.
- Choice D is correct.** (5.MGSR.2.1) Since 12 inches = 1 foot, multiply 7 by 12:  $7 \times 12 = 84$  inches.
- Choice D is correct.** (5.MGSR.1.2) Work one prism at a time:  $8 \times 3 \times 5 = 120$ ,  $6 \times 2 \times 4 = 48$ , and  $5 \times 2 \times 1 = 10$ . Add the non-overlapping volumes:  $120 + 48 + 10 = 178$  cubic centimeters.
- Choice B is correct.** (5.NR.1.1) Add column by column: ones  $2 + 1 = 3$ ; tenths  $3 + 2 = 5$ ; hundredths  $4 + 5 = 9$ . Sum is 3.59.
- Choice D is correct.** (5.PAFR.2.3) The unit fraction is the amount being shared, so divide  $\frac{1}{2}$  by 3. The equation is  $\frac{1}{2} \div 3 = n$ .
- Choices A, B are correct.** (5.MGSR.2.1) The two cuts total  $40 + 60 = 100$  cm, which is 1 meter. Starting with 2 meters leaves 1 meter, so C and D do not match the measurements.
- Choice C is correct.** (5.MGSR.1.2) Each layer has  $4 \times 3 = 12$  unit cubes. With 2 layers, the total is  $12 \times 2 = 24$  unit cubes.
- Choice A is correct.** (5.MGSR.1.1) A rectangle has four right angles. If it is not a square, it does not have four equal sides.
- Choice B is correct.** (5.PAFR.3.4) Check each expression after simplifying the parentheses. A is  $24 \div 4 = 6$ , a whole number. B is  $13 \div 6$ , which is not a whole number. C is  $16 \div 4 = 4$ , so only B fits.
- Choice A is correct.** (5.DPSR.1.2) The pieces longer than  $1\frac{1}{2}$  inches are one piece of  $1\frac{3}{4}$  inches and one piece of 2 inches. Their total length is  $1\frac{3}{4} + 2 = 3\frac{3}{4}$  inches.
- Choice B is correct.** (5.PAFR.2.1) Borrow 1:  $16\frac{2}{6} = 15\frac{8}{6}$ . Then  $15\frac{8}{6} - 9\frac{4}{6} = 6\frac{4}{6} = 6\frac{2}{3}$ .
- Choice B is correct.** (5.NR.2.1)  $\frac{2 \times 3}{5 \times 3} = \frac{6}{15}$ .
- Choice D is correct.** (5.DPSR.1.3) Count X marks at  $\frac{1}{2}$ ,  $\frac{3}{4}$ , and 1. That is  $1 + 2 + 4 = 7$  ribbons that are 1 inch or shorter.



---

Stay Calm

---

**Dear Student,**

★ It's normal to feel nervous sometimes. The good news is that your preparation helps your brain stay calm. Seven tests gave you practice staying focused even when questions feel challenging. ★

◇ **Calm is a skill:** you can practice it. One slow breath, one careful read, one small step—then the next step. ◇

**Calm Plan**

- **Breathe:** slow in, slow out.
- **Reread:** underline important words.
- **Start:** write the first step you know.
- **Return:** come back later if needed.

**You're prepared.** Calm + effort + strategy = success.

Email me at [reza@testinar.com](mailto:reza@testinar.com).

**Reza Nazari & Jay Daie**

Your Math Coaches (Stay Calm)

Testinar.com

# 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](https://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.