

7

South Carolina

SC READY

Grade 3 MATH

PRACTICE TESTS

Standards-Aligned Practice with
Review, Answer Keys, and Explanations



7 Full-Length
Practice Tests



Standards-Aligned
Math Practice



Detailed Answer Keys
and Explanations



Build Confidence.
Achieve Success.

PREPARE
PRACTICE
SUCCEED



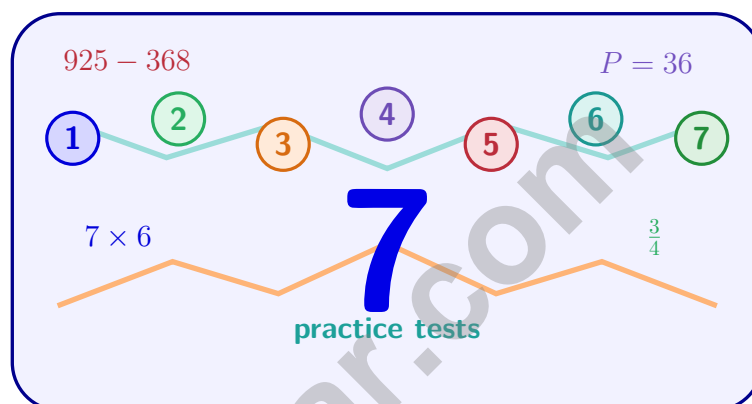
$4 \times 6 = 24$

$2 + 3 = 5$



7 South Carolina SC READY Grade 3 Math Practice Tests

Standards-Aligned Practice with Review, Answer Keys, and Explanations



Seven complete 30-question practice trails for Grade 3 math: operations, fractions, measurement, data, area, shapes, answer keys, and clear explanations for every item.

Jay Daie and Reza Nazari



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Welcome to the Seven Math Trails

Seven full tests, seven fresh chances, and one braver Grade 3 thinker



Read the trail. Mark the clues. Solve with care.

To the Grade 3 Math Trail Leader

This book gives you seven complete practice trails for the South Carolina SC READY. Each trail is a full 30-question test, so students can practice accuracy, stamina, and clear explanations over time.

South Carolina has palmetto shores, marsh walks, pine woods, historic streets, and bright classrooms, where careful steps matter. Strong math follows that same path: notice the question, choose a tool, show the work, and check the route before making a choice.

Scout

Find what the problem is asking before you calculate.

Solve

Pick an equation, model, array, graph, or number line.

Prove

Check the answer and explain the thinking clearly.

Seven-trail promise: I will work with patience, use my scratch space wisely, and let every correction make my next test stronger.

How to Use This Book

A seven-trail routine for steady Grade 3 growth

Use one practice trail at a time. The goal is not to rush through more pages. The goal is to finish, check, repair, and bring a stronger habit to the next test. For South Carolina students, each trail moves through palmetto shores, marsh walks, pine woods, historic streets, and bright classrooms: steady, alert, and ready for the next clue.

1. **Preview the tools.** Skim the reference page before each test.
2. **Take one test.** Work steadily and mark problems that need another look.
3. **Check the key.** Use the compact answer boxes first.
4. **Study explanations.** Read missed items and lucky guesses.
5. **Redo three problems.** Rewrite the work cleanly without copying.
6. **Name one habit.** Choose a focus such as labels, facts, fractions, or checking.
7. **Start the next trail.** Bring that habit into the next full test.

Best review habit: A missed problem is a trail marker. It shows where to slow down, look again, and choose a better step.

What Is Inside?

Seven complete practice tests with review support

Part	What You Do	Why It Helps
Practice Tests 1–7	Solve seven different 30-question tests.	Build stamina and see Grade 3 skills mixed together.
Reference Materials	Review measurement and time facts before each test.	Keep common tools close without turning pages backward.
Answer Keys	Check each answer in compact boxes.	Find mistakes quickly without losing your place.
Explanations	Read why each answer works.	Turn missed items into a clear next step.
Standards Reference	See how South Carolina Grade 3 standards connect to practice.	Understand the skills behind the questions.

Each test has 26 multiple-choice questions, 1 select-all question, and 3 open-ended questions. This gives students practice with quick decisions, careful reading, and short written math answers for the South Carolina SC READY path.

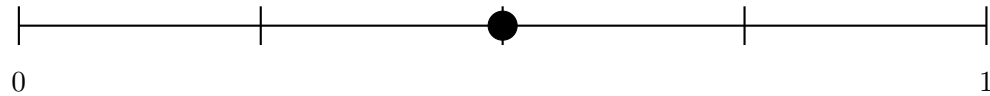


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For more practice
& answers

Table of Contents

★ Practice Test 1	_____	14
★ Practice Test 2	_____	27
★ Practice Test 3	_____	39
★ Practice Test 4	_____	52
★ Practice Test 5	_____	66
★ Practice Test 6	_____	78
★ Practice Test 7	_____	91
Practice Test Answer Keys	_____	103
Practice Test Answers and Explanations	_____	108

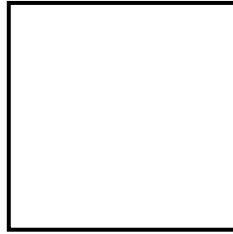
- 6) A number line shows 0 to 1 divided into 4 equal parts. The marked dot is closest to which fraction?



- A. $\frac{1}{4}$ C. $\frac{3}{4}$
 B. $\frac{2}{4}$ D. $\frac{4}{4}$
- 7) A rectangular field is 6 meters long and 8 meters wide. How many square meters is the field?
- A. 14 sq m C. 42 sq m
 B. 28 sq m D. 48 sq m
- 8) A rectangle has length 4 units and width 3 units. There are 4 rows with 3 unit squares in each row. Find the area by adding: $3 + 3 + 3 + 3 = ?$
- A. 7 sq units C. 12 sq units
 B. 9 sq units D. 10 sq units
- 9) If $\frac{3}{4} = \frac{?}{8}$, what is the missing numerator?



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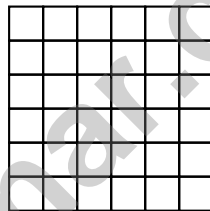


10) 3 in

This is a square with side 3 inches. Find its perimeter.

- A. 9 in C. 12 in
 B. 15 in D. 18 in

11) Maya is laying square tiles on her kitchen floor. The floor is shaped like a large square with 6 tiles along one edge. Here is the layout:



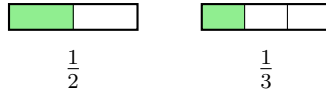
How many square tiles cover the entire floor?

- A. 12 tiles C. 36 tiles
 B. 24 tiles D. 48 tiles



1) Ava’s book cover is shaped like a square with sides of 9 inches. What is the area?

- A. 18 sq in C. 72 sq in
 B. 36 sq in D. 81 sq in



2)

Using the bars, which is true?

- A. $\frac{1}{2} > \frac{1}{3}$ (halves are larger pieces) D. $\frac{1}{3} > \frac{1}{2}$ (1 out of 3 is more than 1 out of 2)
 B. $\frac{1}{2} < \frac{1}{3}$ ($2 < 3$)
 C. $\frac{1}{2} = \frac{1}{3}$

3) Noah has $\frac{3}{1}$ cookies. How many whole cookies does he have?

- A. 1 C. 0
 B. 6 D. 3

4) A number line from 0 to 1 is split into 4 equal parts. What is the length of each part?

5) A rectangular garden plot measures 5 units by 6 units. Ben wants to cover it with unit square pavers. How many pavers will he need without gaps or overlaps?

- A. 11 pavers C. 22 pavers
 B. 30 pavers D. 36 pavers

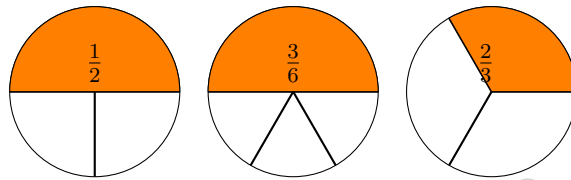


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6) Ava eats lunch at noon. Recess starts 25 minutes after lunch. What time does recess start?

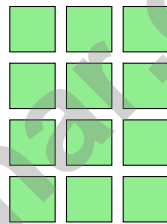
- A. 12 : 25 PM C. 1 : 00 PM
 B. 12 : 15 PM D. 1 : 25 PM

7) Look at the pie charts. Which fraction does NOT match the group?



- A. $\frac{1}{2}$ C. $\frac{2}{3}$
 B. $\frac{3}{6}$ D. All match

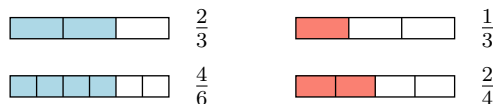
8)



What is the product shown by this array?

- A. 15 C. 9
 B. 7 D. 12

9) Which two fraction bars show equivalent fractions?



- A. $\frac{2}{3}$ and $\frac{4}{6}$ C. $\frac{1}{3}$ and $\frac{2}{4}$
 B. $\frac{2}{3}$ and $\frac{1}{3}$ D. $\frac{4}{6}$ and $\frac{2}{4}$

1) Ava covers a rectangular board with unit square tiles. The board is 7 units long and 7 units wide. How many tiles does she need?

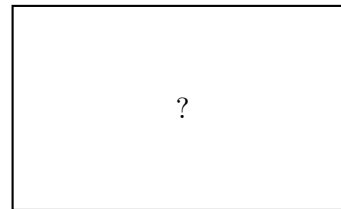
A. 14 tiles

B. 28 tiles

C. 42 tiles

D. 49 tiles

3 inches



2)

5 inches

What is the area of this rectangle?

A. 8 sq in

B. 15 sq in

C. 10 sq in

D. 12 sq in

3) Three children saved money. Ben saved \$145, Lily saved \$208, and Noah saved \$197. How much did they save in total?

A. \$550

B. \$540

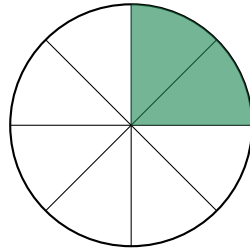
C. \$450

D. \$560



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- 4) A pizza is cut into 8 equal slices. Noah eats 2 slices. What fraction of the pizza does Noah eat?



- A. $\frac{1}{8}$ C. $\frac{3}{8}$
 B. $\frac{2}{8}$ D. $\frac{6}{8}$
- 5) Which missing divisor makes this division sentence true?
 $18 \div _ = 3$

- A. 5 C. 21
 B. 15 D. 6

- 6) Write a fraction equivalent to $\frac{1}{2}$.

- 7) A store has boxes of toy cars. Each box holds 9 cars. How many cars are in 6 boxes?

- A. 48 cars C. 56 cars
 B. 60 cars D. 54 cars



Practice Test Answer Keys

How to use this section with a Grade 3 student:

1. check the answer first
2. mark questions to try again
3. rework the problem before reading the full explanation

A calm correction routine turns every missed item into useful practice.

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Practice Test Answers and Explanations

Practice Test 1 Answers and Explanations

- Choice D is correct. **(3.PAFR.2.3)** The pattern is 2, 4, 6, 8, 10, 12. Add 2 each time.
- Choice C is correct. **(3.NR.2.1)** Two parts split in half each gives $2 \times 2 = 4$ parts.
- Choice C is correct. **(3.NR.2.5)** Multiply numerator and denominator by 2: $\frac{1 \times 2}{4 \times 2} = \frac{2}{8}$.
- Choice A is correct. **(3.PAFR.2.4)** The tile with an area of 9 square inches is smaller than the tile with 16 square inches. Smaller area means less space inside.
- Choice D is correct. **(3.MGSR.3.1)** A rhombus has 4 equal sides. If all angles were right angles, it would be a square. Since they are not, it is just a rhombus.
- Choice B is correct. **(3.NR.2.4)** The dot is at the second tick out of four equal parts, so it is $\frac{2}{4}$.
- Choice D is correct. **(3.MGSR.1.1)** Area = $6 \times 8 = 48$ square meters.
- Choice C is correct. **(3.PAFR.2.2)** Adding the width 3 four times: $3 + 3 + 3 + 3 = 12$. This is the same as $4 \times 3 = 12$ square units.
- The correct answer is 6. **(3.NR.2.5)** The denominator doubles, so the numerator doubles: $3 \times 2 = 6$.
- Choice C is correct. **(3.MGSR.1.3)** $P = 4 \times 3 = 12$ in.
- Choice C is correct. **(3.MGSR.1.1)** Count the rows: 6 rows. Count down: 6 tiles in each row. Total: $6 + 6 + 6 + 6 + 6 + 6 = 36$ square tiles.
- Choice B is correct. **(3.MGSR.2.4)** Count the X's above $\$5\frac{1}{2}$. There are 3 X's.
- Choice A is correct. **(3.NR.2.1)** $10 \div 2 = 5$. The picture shows 10 items split into 2 equal groups of 5 each.
- The correct answer is 60. **(3.PAFR.1.2)** 6 boxes of 10 crayons = $6 \times 10 = 60$ crayons.
- Choice B is correct. **(3.PAFR.2.1)** Area = width \times height = $5 \times 6 = 30$ square centimeters.
- Choices A and B are correct. **(3.PAFR.2.1)** The fact family for 5, 6, and 30 includes multiplication facts and related division facts. Options A ($5 \times 6 = 30$) and B ($30 \div 5 = 6$) are correct. C, D, and E are addition or subtraction statements, so they are not part of this multiplication/division fact family.
- Choice C is correct. **(3.MGSR.1.1)** A 3 in. \times 6 in. rectangle contains $3 \times 6 = 18$ unit squares of 1 in. each.
- Choice A is correct. **(3.PAFR.2.1)** Divide: $20 \div 4 = 5$ cars per row.
- Choice A is correct. **(3.MGSR.2.3)** $6 : 11 - 26 \text{ min} = 5 : 45 \text{ PM}$.
- Choice C is correct. **(3.PAFR.2.2)** Step 1: Add total stickers: $24 + 12 = 36$ stickers. Step 2: Divide into 4 groups: $36 \div 4 = 9$ stickers per group. (Choice D is step 1 only.)
- Choice C is correct. **(3.MGSR.1.3)** Left: $6 \times 5 = 30$ sq ft. Right: $4 \times 3 = 12$ sq ft. Total: $30 + 12 = 42$ sq ft.
- Choice A is correct. **(3.PAFR.2.4)** The distributive property lets us split the rectangle into two smaller parts and add their areas.
- Choice D is correct. **(3.PAFR.2.4)** Skip counting by 3 six times gives 0, 3, 6, 9, 12, 15, 18. This represents 6 groups of 3, so $6 \times 3 = 18$.
- Choice C is correct. **(3.MGSR.2.5)** 1 L = 1000 mL. Subtract: $1000 - 750 = 250$ mL.
- Choice B is correct. **(3.NR.2.3)** Any whole number n equals $\frac{n}{1}$. So $7 = \frac{7}{1}$.
- Choice A is correct. **(3.PAFR.2.1)** Use the inverse: $9 \times 4 = 36$, so $36 \div 4 = 9$.
- Choice C is correct. **(3.NR.1.4)** For 567: ones digit is $7 \geq 5$, so it rounds up to the nearest 10, which is 570.
- The correct answer is 4 books. **(3.DPSR.1.2)** Maya: $7 \times 2 = 14$. Leo: $5 \times 2 = 10$. Fewer: $14 - 10 = 4$.
- Choice A is correct. **(3.PAFR.2.3)** Ones: $4 + 6 = 10$ (write 0, carry 1). Tens: $5 + 8 + 1 = 14$ (write 4, carry 1). Hundreds: $3 + 1 + 1 = 5$. Answer: 540.
- Choice C is correct. **(3.NR.2.6)** Same numerator (3), different denominators: fourths are bigger pieces than sixths (the bar is cut into fewer, larger pieces). Three fourths covers more area than three sixths.

Practice Test 2 Answers and Explanations



Ahoy, Math Sailor!

◇ You sailed through 7 full tests. Some waters were calm. Some waters were rough. You kept your boat steady the whole way. ◇

★ **Captain's truth:** good sailors stay calm. They use the wind. They check the map. You did all those things on every test. ★

Sailor's Skills

- **Steady Hand:** You stay calm even when problems are tricky.
- **Map Skills:** You read each problem carefully.
- **Brave Spirit:** You believe in yourself.
- **Safe Harbor:** You finish what you start.

Captain's tip: on test day, sail steady. Trust the map you built through 7 practice tests. You will reach safe harbor!

If you want to share something or ask a question, please email me at jay@testinar.com.

Jay Daie

Your Math Captain

PRACTICE TODAY. MASTER TOMORROW.

This book is designed to help **Grade 3** students strengthen their math skills through focused practice and real progress.

- ✓ 7 full-length practice tests
- ✓ Aligned to Grade 3 standards
- ✓ Build confidence and achieve success
- ✓ Review, answer keys, and explanations



EACH PRACTICE TEST INCLUDES:



Standards-
Aligned
Questions



Variety of
Question
Types



Real-World
Math
Applications



Step-by-Step
Progress
Tracking



Build Skills
and Boost
Confidence

COVERS ALL ESSENTIAL TOPICS

- ✓ Whole Numbers & Operations
- ✓ Fractions & Decimals
- ✓ Algebraic Thinking
- ✓ Geometry
- ✓ Measurement & Data
- ✓ Number Patterns
- ✓ Word Problems
- ✓ Ratio & Proportion
- ✓ Perimeter, Area & Volume
- ✓ Graphing & Data Analysis
- ✓ And More!



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