

4

South Carolina SC READY

Grade 3

MATH

PRACTICE TESTS

Standards-Aligned Practice



STANDARDS-ALIGNED

Practice to build skills and boost confidence



4 FULL-LENGTH TESTS

Realistic questions to prepare for test day



ANSWER KEYS & EXPLANATIONS

Detailed solutions to learn and improve



4 South Carolina SC READY Grade 3 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Four focused 30-question missions for Grade 3 math: number facts, fractions, measurement, data, area, shapes, answer keys, and clear explanations for every item.

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Welcome to the South Carolina Math Launch

Four missions, careful work, and a stronger Grade 3 thinker



Read the mission. Show the work. Check the answer. Launch again.

To the Grade 3 Mission Leader

This book is a four-mission practice launch for the South Carolina SC READY. Each test gives you a fresh chance to multiply, divide, read graphs, compare fractions, measure, find area, and explain math in a way someone else can follow.

South Carolina has coast marshes, pine paths, and classroom routes built by steady choices. Good math uses the same habit: pause, check the details, and move forward with a steady plan.

Notice

Find the numbers, units, and question before choosing a path.

Model

Draw an array, number line, table, or quick equation.

Verify

Ask whether your answer fits the story and the unit.

Launch promise: I will slow down at the important moments, show the work I can, and use every miss as a clue for the next mission.

How to Use This Book

A four-mission routine for steady Grade 3 growth

1. Warm Up the System

Read the review pages first. Remind your brain how equal groups, fractions, clocks, graphs, and area models work.

2. Fly One Mission

Take one complete 30-question test. Keep your work neat enough that you can check it later.

3. Review the Flight

Use the answer key, then pause. A wrong answer is useful when you can name what happened.

4. Repair and Relaunch

Rework a few missed questions before starting the next test. The repair step is where the score begins to move.

A Four-Session Plan

Session 1	Take Test 1 and mark the topics that need attention.
Session 2	Take Test 2 and focus on showing every step clearly.
Session 3	Take Test 3 and watch for units, labels, and two-step problems.
Session 4	Take Test 4 and finish with calm, careful checking.

Best mission habit: After checking answers, write one sentence: “Next time I will pay attention to _____.”



Test Overview

What each Grade 3 math mission asks you to do

Each practice test has 30 questions. Across four tests, you will practice the kind of Grade 3 math thinking used on the South Carolina SC READY: reading carefully, choosing a strategy, doing accurate computation, and explaining enough work to make your answer clear.

Multiple Choice

Look for the best answer. Estimate first when you can, cross out choices that do not fit, and reread the question before you choose.

Open Response

Write the answer and show the reason. A good Grade 3 response may use a drawing, equation, table, number line, or a few clear words.

Math Ideas Inside the Four Tests

- multiplication, division, arrays, missing factors, and two-step word problems
- place value, rounding, addition, subtraction, and multiplying by tens
- unit fractions, number lines, equivalent fractions, and comparing fractions
- time, mass, liquid volume, picture graphs, bar graphs, and line plots
- area, perimeter, unit squares, rectangles, and shape categories

What strong SC READY work looks like: the answer matches the question, the units make sense, and the work is clear enough to check.



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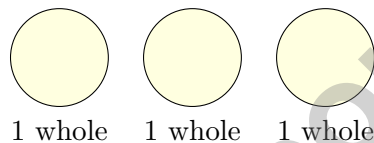
1) A teacher estimates that a water jug holds about 5 liters. A glass holds about 200 mL. ESTIMATE how many glasses would fill the jug.

- A. about 5 glasses C. about 25 glasses
 B. about 15 glasses D. about 50 glasses

2) Which fact family shows numbers that belong together?

- A. 5, 8, 40 and $40 \div 5 = 7$ C. 6, 7, 42 and $42 \div 7 = 5$
 B. 4, 6, 24 and $24 \div 4 = 6$ D. 3, 9, 27 and $27 \div 3 = 8$

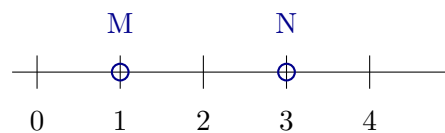
3) Jon has 3 whole pizzas. How can we write this as a fraction?



- A. $\frac{1}{3}$ C. $\frac{3}{3}$
 B. $\frac{3}{1}$ D. $\frac{1}{1}$

4) Eli paints a rectangular wall. The wall is 8 feet wide and 3 feet tall. How many square feet does Eli paint?

- A. 24 sq ft C. 11 sq ft
 B. 16 sq ft D. 32 sq ft



5)

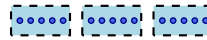
Two points M and N are marked on a number line from 0 to 4. Point M is at 1 and point N is at 3. What fraction of the whole distance from 0 to 4 is point N ?

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

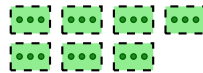


6) Which picture shows 21 items divided equally into 3 groups?

- A. Three groups of five



- B. Seven groups of three



- C. Twenty-one groups of one



- D. Three groups of seven



7) A rectangle with dimensions 10×9 is split by a vertical line into two parts. If one part is 10×4 , what is the correct distributive equation?

- A. $10 \times 9 = 10 \times (4 + 5) = (10 \times 4) + (10 \times 5) = 40 + 50 = 90$
- B. $10 + 9 = 19$
- C. $4 + 5 = 9$
- D. $10 \times 4 = 40$ only

8) Look at the two fraction strips. Which shows an equivalent fraction?



- A. Yes, both are equivalent
- B. No, they are different
- C. The first is larger
- D. The second is larger



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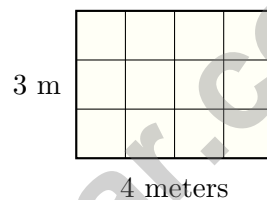
9) Two identical sandwiches are served. Sandwich A is cut into 4 pieces with 1 eaten. Sandwich B is cut into 8 pieces with 2 eaten. How much is left uneaten?

- A. Same amount is left. C. Sandwich B has more left.
 B. Sandwich A has more left. D. Cannot tell.

10) Ava has 54 flowers. She wants to make 9 bouquets with an equal number of flowers in each. How many flowers are in each bouquet?

- A. 45 C. 63
 B. 8 D. 6

11) Sam builds a small garden bed using 1-meter by 1-meter tiles (unit squares). He arranges them in a 4-meter by 3-meter rectangle. How many tiles does he use?



- A. 7 tiles C. 12 tiles
 B. 10 tiles D. 16 tiles
- 12) A bar graph shows the scale as 5 items per unit. If a bar is 4 units tall, it represents how many items?
- A. 4 items C. 20 items
 B. 9 items D. 25 items



1) A recipe calls for 3 kg of flour. Noah already has 1500 g. How many more grams does he need?

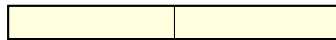
A. 1000 g

C. 2000 g

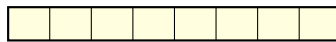
B. 1500 g

D. 3000 g

2) Which fraction is equivalent to $\frac{4}{8}$?



$\frac{1}{2}$



$\frac{4}{8}$

A. $\frac{1}{4}$

C. $\frac{3}{8}$

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

D. $\frac{3}{4}$

3) A picture graph shows apples collected. Red apples: 6 icons (scale: 2 apples per icon). Green apples: 4 icons (scale: 2 apples per icon). How many more red apples than green apples?

A. 2

C. 6

B. 4

D. 12

4) A bakery made some cupcakes. It sold 312 cupcakes and has 188 left. How many cupcakes did the bakery make?

A. 500

C. 490

B. 510

D. 520



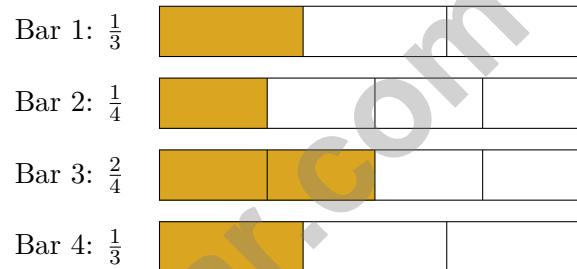
5) Which of the following is measured in square units (like square inches or square centimeters)?

- A. Time
- B. Perimeter (measured in inches, feet, or meters)
- C. Length (measured in inches, feet, or meters)
- D. Area (space inside a shape)

6) What is $28 \div 4$?

- A. 6
- B. 7
- C. 8
- D. 4

7) Look at the bars. Which pair shows the same-size shaded region?



- A. Bar 1 and Bar 4
- B. Bar 2 and Bar 3
- C. Bar 1 and Bar 2
- D. Bar 3 and Bar 4

8) If a number line from 0 to 3 is divided into thirds, how many thirds tall is the entire line?



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5) Sofia has 18 flowers. She puts them into 2 equal bouquets. How many flowers are in each bouquet?

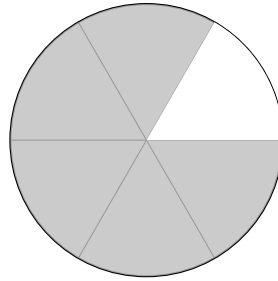
A. 8 flowers

C. 10 flowers

B. 11 flowers

D. 9 flowers

6) A cake is divided into 6 equal pieces. Ava takes one piece. Which fraction is left?



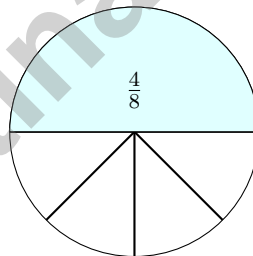
A. $\frac{1}{6}$

C. $\frac{5}{6}$

B. $\frac{2}{6}$

D. $\frac{6}{6}$

7) Ava uses 4 of her 8 markers. What fraction did she use?



A. $\frac{1}{4}$

C. $\frac{3}{4}$

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

D. $\frac{1}{8}$



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 C is correct.** **(3.MD.A.2)** $5\text{ L} = 5000\text{ mL}$. Divide: $5000 \div 200 = 25$ glasses. Tests estimation.
- Choice B is correct.** **(3.OA.C.7)** A fact family uses the same three numbers in multiplication and division. Only choice B has a true related fact: $4 \times 6 = 24$ and $24 \div 4 = 6$.
- Choice B is correct.** **(3.NF.A.3c)** Three whole pizzas = $\frac{3}{1}$ (three wholes, one part each).
- Choice A is correct.** **(3.MD.C.7)** Area = $8 \times 3 = 24$ square feet.
- Choice C is correct.** **(3.NF.A.2b)** Point N is at 3 on a number line from 0 to 4. The fraction is $\frac{3}{4}$.
- Choice D is correct.** **(3.OA.A.2)** $21 \div 3 = 7$. The picture shows 3 equal groups, each with 7 items.
- Choice A is correct.** **(3.MD.C.7c)** Since $4 + 5 = 9$ and both parts share width 10, we use the distributive property.
- Choice A is correct.** **(3.NF.A.3b)** Both strips show the same amount shaded. $\frac{2}{4} = \frac{1}{2}$ because $\frac{1 \times 2}{2 \times 2} = \frac{2}{4}$.
- Choice A is correct.** **(3.NF.A.3a)** Sandwich A has $\frac{3}{4}$ left. Sandwich B has $\frac{6}{8}$ left. $\frac{3}{4} = \frac{6}{8}$.
- Choice D is correct.** **(3.OA.A.3)** Divide: $54 \div 9 = 6$ flowers per bouquet.
- Choice C is correct.** **(3.MD.C.5a)** Area = length \times width = $4\text{ m} \times 3\text{ m} = 12$ unit squares.
- Choice C is correct.** **(3.MD.B.3)** Multiply bar height by scale: $4 \times 5 = 20$ items.
- Choice C is correct.** **(3.G.A.2)** When a shape is divided into 4 equal parts, each part is $\frac{1}{4}$ of the whole.
- Choice C is correct.** **(3.OA.D.9)** The pattern adds 3 each week: 3, 6, 9, 12. This is skip counting by 3.
- Choice A is correct.** **(3.MD.C.7d)** When breaking a composite shape into rectangles, add their areas because the rectangles do not overlap.
- The correct answer is 7.** **(3.OA.B.6)** $42 \div 6 = 7$ because $7 \times 6 = 42$. The multiplication fact helps us solve the division problem.
- Choices A and C are correct.** **(3.OA.D.8)** Step 1: Total boxes: $60 \div 6 = 10$ boxes, so A is true. Step 2: Figures sold: $5 \times 6 = 30$ figures, so B is false. The remaining figures are $60 - 30 = 30$, so C is true. D is false because each box has 6 figures, and E is false because 30 figures remain.
- Choice D is correct.** **(3.OA.A.1)** 4×5 means "4 groups of 5" (or $5 + 5 + 5 + 5$). Each group has 5 objects, and there are 4 groups.
- Choice B is correct.** **(3.NF.A.3d)** Four fourths is one whole. Four sixths is less than one whole. So $\frac{4}{4} > \frac{4}{6}$.
- Choice B is correct.** **(3.MD.C.5b)** There are 2 rows with 9 unit squares in each row: $9 \times 2 = 18$ unit squares.
- Choice C is correct.** **(3.MD.C.7b)** Area = length \times width = $7 \times 3 = 21$ square inches.
- Choice A is correct.** **(3.G.A.1)** A square has 4 equal sides (making it a rhombus) and 4 right angles (making it a rectangle). So a square is both.
- Choice D is correct.** **(3.NBT.A.2)** Subtract: $456 - 132 = 324$. Ones: $6 - 2 = 4$. Tens: $5 - 3 = 2$. Hundreds: $4 - 1 = 3$.
- The correct answer is 9 pencils.** **(3.MD.B.4)** Add all X's: $2 + 1 + 3 + 2 + 1 = 9$ pencils total.
- Choice C is correct.** **(3.NF.A.1)** A whole divided into 2 equal parts gives each part the name $\frac{1}{2}$ (one-half).
- The correct answer is 48 sq units.** **(3.MD.C.6)** Count rows: $8 + 8 + 8 + 8 + 8 + 8 = 48$ unit squares. Or count columns: $6 + 6 + 6 + 6 + 6 + 6 + 6 + 6 = 48$ unit squares.
- Choice B is correct.** **(3.MD.C.5)** A square meter is much larger than a square foot. 12 square meters covers far more area than 12 square feet. The number alone doesn't tell you the area; the unit matters!
- Choice D is correct.** **(3.OA.B.5)** The distributive property lets us break apart a sum. Here, $7 \times (5 + 2)$ is distributed to $7 \times 5 + 7 \times 2 = 35 + 14 = 49$.
- Choice D is correct.** **(3.NBT.A.1)** The tens digit is 8. Since $8 \geq 5$, round up: 289 rounds to 300.
- Choice C is correct.** **(3.MD.C.7a)** Visual grid: 4 wide \times 5 tall = 20 square units.

Practice Test 2 Answers and Explanations



Hi, Math Athlete!

◇ 4 practice tests done! That's serious training. Your math muscles are strong. You are in great shape for the big test. ◇

★ **Trainers know:** muscle memory is real. The more you practice, the more your brain knows what to do without thinking. You built that muscle memory! ★

Athlete Performance

- **Endurance:** TOP! You can finish a long test.
- **Strength:** STRONG! You handle hard problems.
- **Speed:** JUST RIGHT! You don't rush.
- **Recovery:** GOOD! You bounce back from tough questions.

Trainer tip: on test day, drink water, breathe deeply, and warm up with the easier questions first. Your training will carry you the rest of the way!

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

Jay Daie

Your Math Trainer

Build Skills. Achieve More.

This book gives **Grade 3** students the focused practice they need to master math concepts with confidence.

What's Inside?



Standards-Aligned Practice

Questions designed to match Grade 3 math standards.



Variety of Question Types

Build skills with multiple formats and challenges.



Real-World Applications

Engaging problems that connect math to life.



Step-by-Step Progress

Track improvement and see growth over time.



Build Skills & Boost Confidence

Strengthen understanding and perform better.

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- ✓ Fractions & Decimals
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- ✓ Measurement & Data
- ✓ Number Patterns
- ✓ Word Problems
- ✓ Ratio & Proportion
- ✓ Perimeter, Area & Volume
- ✓ Graphing & Data Analysis
- ✓ And More!



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