

8

South Dakota

Smarter Balanced

GRADE 3

MATH

PRACTICE TESTS

Standards-Aligned Review with
Mixed Practice and Answer Key



8 Full-Length
Practice Tests



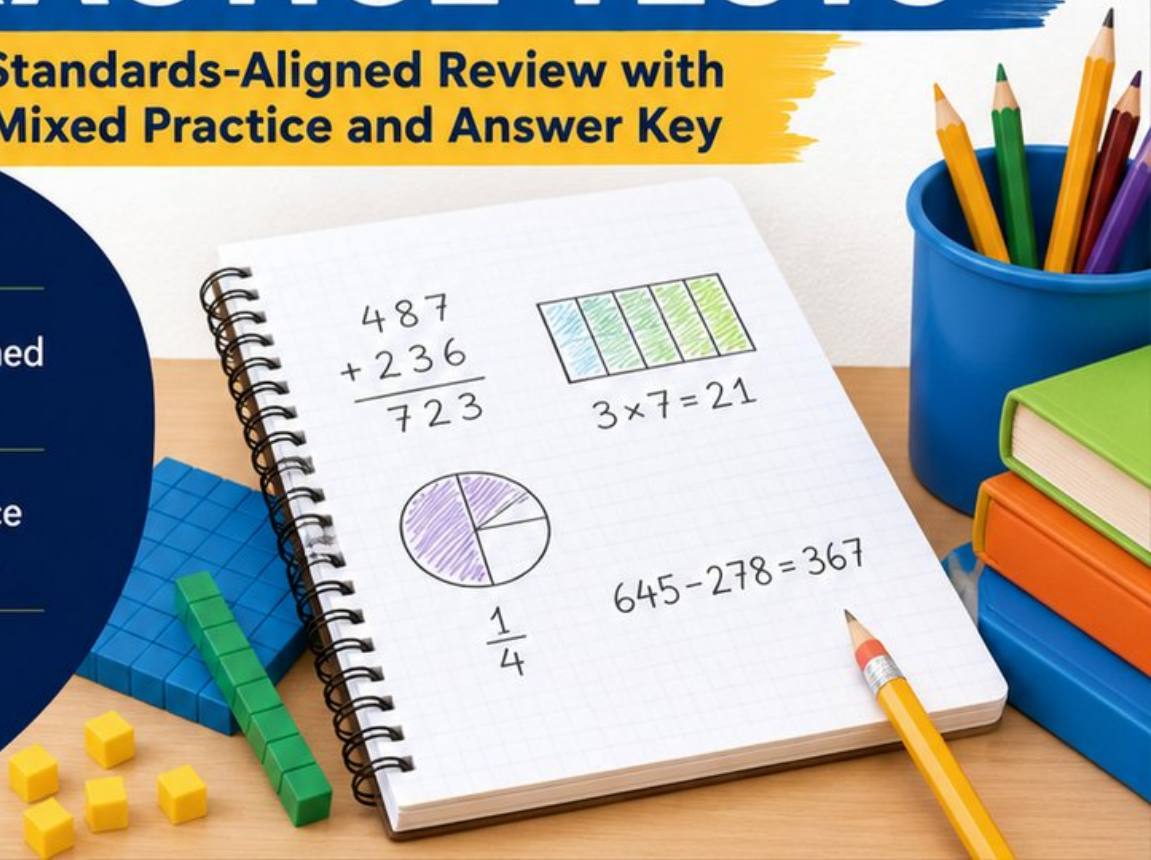
Standards-Aligned
Questions



Build Confidence
and Math Skills



Answer Key
Included



8 South Dakota Smarter Balanced Grade 3 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



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

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South Dakota, Your Eight-Test Math Path Begins

Eight focused rounds, one stronger Grade 3 problem solver

This book gives you eight full chances to practice like a careful test taker for the South Dakota Smarter Balanced. Each test is a new route through numbers, shapes, data, measurement, and word problems. Work slowly enough to notice what the question asks, and proudly enough to show your thinking.

South Dakota has prairie grass, Black Hills trails, river bluffs, starry nights, and calm classroom work, where careful steps matter. Strong math follows that same path: notice the question, choose a tool, show the work, and work patiently through each checkpoint.

Your South Dakota Math Promise

I will read the whole question, choose a smart strategy, write clear work, and check whether my answer makes sense.

Eight rounds. Thirty questions each. One careful step at a time.

How to Use This Book

A simple eight-round routine for confident review

Use this South Dakota book as a practice plan, not a race. Finish one test, review it, fix a few problems, then carry one better habit into the next test.

1. **Preview the reference page.** Notice units, time, and measurement facts before you begin.
2. **Take one full test.** Circle anything that feels tricky so you can return to it.
3. **Check the answer key.** Mark correct answers and questions to try again.
4. **Read explanations.** Study missed items and lucky guesses first.
5. **Redo three problems.** Write fresh work without copying the explanation.
6. **Name one habit.** Pick a focus such as labels, facts, fractions, or neat work.
7. **Try the next test.** Bring that habit forward.
8. **Finish with a final check.** Look for growth across all eight tests.

Best review habit: In South Dakota, strong practice means slowing down enough to see the clue. When an answer is wrong, ask, “What step would I change next time?”



What Is Inside the Eight Tests?

Mixed Grade 3 math practice for the Smarter Balanced

Each practice test has 30 questions. You will see multiple-choice questions, select-all questions, and open-ended questions with workspace. The mix helps students practice both choosing an answer and explaining a short mathematical result.

Part	What to Expect
Eight full tests	30 mixed Grade 3 questions in each round
Math topics	multiplication, division, place value, fractions, time, measurement, data, area, perimeter, and shapes
Answer keys	compact answer boxes for quick checking
Explanations	short reasoning for every item so mistakes become useful review
Progress pages	places to record scores, habits, and next-step goals

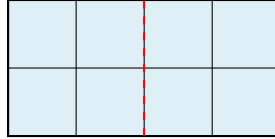
South Dakota focus: The practice path starts with prairie grass, Black Hills trails, river bluffs, starry nights, and calm classroom work. Strong math uses the same idea: know the path, follow the clues, and check the final answer.



Scan me!
For more practice
& answers

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1)

A 4-by-2 rectangle is divided by a dashed line. How many unit squares are on each side of the line?

- A. 4 and 4 C. 3 and 5
 B. 2 and 6 D. 1 and 7

2) What whole number equals $\frac{10}{2}$?

- A. 2 C. 10
 B. 5 D. 3

3) A farmer has 56 eggs. She packs them into cartons with 8 eggs in each carton. How many cartons does she fill?

- A. 48 C. 8
 B. 64 D. 7

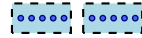
4) If you want to measure the area of a wall, which is the best unit to use?

- A. Inches (like the perimeter) C. Feet (the height or length)
 B. Square feet (space covered) D. Miles (for large distances)



5) Which picture shows 10 items divided equally into 5 groups?

- A. Two groups of five



- B. One group of ten



- C. Ten groups of one



- D. Five groups of two



6) A soup recipe needs 1 liter of broth. Lily already poured 750 mL. How much more does she need in milliliters?

- A. 100 mL C. 250 mL
 B. 150 mL D. 500 mL

7) Ava skip counts by 2s: 2, 4, 6, 8, 10.

What do all these numbers have in common?

- A. They are all odd C. They are all greater than 5
 B. They are all multiples of 3 D. They are all even

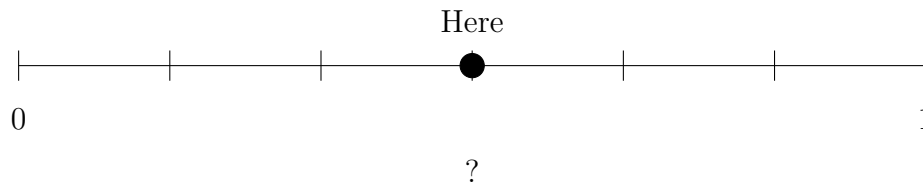
8) Which equation is false?

- A. $7 \times (2 + 8) = 7 \times 2 + 7 \times 8$ C. $5 \times (6 + 1) = 5 \times 6 + 5 \times 1$
 B. $9 \times (3 + 4) = 9 \times 3 + 9 \times 4$ D. $6 \times (5 + 2) = 6 \times 5 - 6 \times 2$



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9) Which two fractions represent the same point on a number line?



A. $\frac{2}{4}$ and $\frac{3}{6}$

B. $\frac{3}{8}$ and $\frac{4}{8}$

C. $\frac{1}{3}$ and $\frac{3}{6}$

D. $\frac{1}{2}$ and $\frac{2}{3}$

10) Round 283 to the nearest 10.

A. 280

B. 283

C. 290

D. 300

11) A picture graph shows cupcakes baked for a party. Each cupcake icon is 5 cupcakes. There are 7 icons. How many cupcakes were baked?

A. 12

B. 30

C. 35

D. 40



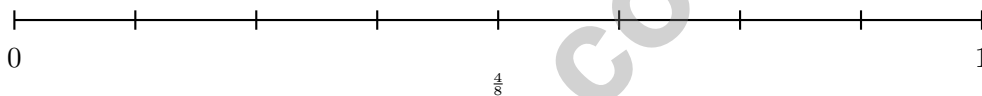
1) Noah counts unit squares to measure the area of a shape. He gets 9 unit squares. What is the area of the shape?

- A. 3 square units C. 9 square units
 B. 6 square units D. 18 square units

2) A tiled rectangle has two parts: $10 \times 3 = 30$ and $10 \times 7 = 70$. Which expanded distributive equation is correct?

- A. $10 \times (3 + 7) = 10 + 10 = 20$ C. $10 \times 3 + 7 = 37$
 B. $(10 \times 3) + (10 \times 7) = 30 + 70 = 100$ D. $3 + 7 = 10$

3) On a number line from 0 to 1 divided into 8 equal parts, which two fractions name the same point?



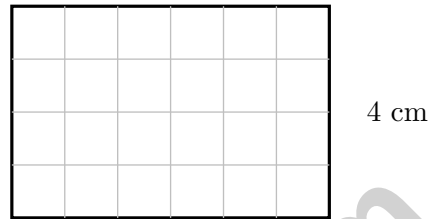
- A. $\frac{1}{2}$ and $\frac{4}{8}$ C. $\frac{3}{8}$ and $\frac{5}{8}$
 B. $\frac{2}{8}$ and $\frac{3}{8}$ D. $\frac{2}{4}$ and $\frac{6}{8}$

4) If a rectangle has a length of 7 units and a width of 5 units, what is the area in square units?



5) Maria has 328 marbles. She rounds to the nearest 10 to estimate. Then she rounds that answer to the nearest 100. What is the final answer? (This is called double rounding.)

- A. 300 C. 330
 B. 320 D. 400



6) Count the unit squares in the grid. What is the area?

- A. 10 sq cm C. 24 sq cm
 B. 20 sq cm D. 36 sq cm

7) 1 3 5 2 4

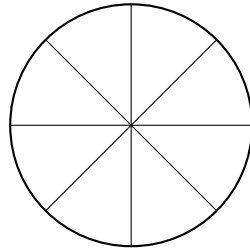
Which color represents odd numbers?

- A. Blue (1, 3, 5) C. Both colors
 B. Red (2, 4) D. Neither color



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- 1) A circle is divided by lines from the center to make 8 equal parts (like pizza slices).
What fraction is one slice?



- A. $\frac{2}{8}$ C. $\frac{1}{4}$
 B. $\frac{1}{6}$ D. $\frac{1}{8}$
- 2) A square mural is made of unit tiles. It has 6 columns and 6 rows. What is the area of the mural?
- A. 12 C. 36
 B. 24 D. 66
- 3) A bar graph shows cookies sold. The scale is 5 cookies per unit. Lily's bar reaches 3 units. How many cookies did Lily sell?
- A. 8 C. 15
 B. 12 D. 20
- 4) Round 589 to the nearest 100.
- A. 500 C. 590
 B. 580 D. 600



Addition

5)

Hundreds	Tens	Ones
4	7	8
+	+	+
2	5	4

Using the place-value chart, what is $478 + 254$?

- A. 722 C. 832
 B. 742 D. 732
- 6) Mia finished at 4 : 52 and started 39 minutes earlier. What time did she start?

- 7) Which shape would require 4 unit squares and has equal side lengths?
- A. A 2×2 square C. A 1×4 rectangle
 B. A 4×1 rectangle D. A 3×2 rectangle
- 8) There are 45 pencils. They are shared equally among 9 students. How many pencils does each student get?
- A. 4 C. 6
 B. 7 D. 5



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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

- 1) **Choice A is correct.** **(3.MD.6)** The rectangle is 4 by 2, so it has 8 unit squares total. A vertical line through the middle divides it into two 2-by-2 sections of 4 each.
- 2) **Choice B is correct.** **(3.G.2)** $10 \text{ halves} \div 2 \text{ halves per whole} = 10 \div 2 = 5 \text{ wholes}$.
- 3) **Choice D is correct.** **(3.OA.3)** Divide: $56 \div 8 = 7 \text{ cartons}$.
- 4) **Choice B is correct.** **(3.MD.5)** Area must be measured in square units because it describes 2D space. Square feet, square inches, square meters, and square centimeters are all correct area units.
- 5) **Choice D is correct.** **(3.OA.2)** $10 \div 5 = 2$. The picture shows 5 equal groups, each with 2 items.
- 6) **Choice C is correct.** **(3.MD.2)** $1 \text{ L} = 1000 \text{ mL}$. Subtract: $1000 - 750 = 250 \text{ mL}$.
- 7) **Choice D is correct.** **(3.OA.9)** Skip counting by 2 always gives even numbers: 2, 4, 6, 8, 10, ...
- 8) **Choice D is correct.** **(3.MD.9)** This equation uses subtraction instead of addition. The correct form is $6 \times (5 + 2) = 6 \times 5 + 6 \times 2$.
- 9) **Choice A is correct.** **(3.NF.2)** Both fractions equal one-half and represent the same point on a number line.
- 10) **Choice A is correct.** **(3.NBT.1)** The ones digit is 3. Since $3 < 5$, round down; 283 rounds to 280.
- 11) **Choice C is correct.** **(3.MD.3)** $7 \times 5 = 35 \text{ cupcakes}$.
- 12) **Choice C is correct.** **(3.MD.5)** Top: $3 \times 5 = 15 \text{ sq units}$. Bottom left: $2 \times 4 = 8 \text{ sq units}$. Bottom right: $2 \times 4 = 8 \text{ sq units}$. Total: $15 + 8 + 8 = 31 \text{ sq units}$.
- 13) **Choice C is correct.** **(3.NF.3)** The numerator was multiplied by 2 (from 1 to 2). Multiply the denominator by 2: $4 \times 2 = 8$. So $\frac{1}{4} = \frac{2}{8}$.
- 14) **Choice C is correct.** **(3.MD.8)** Area = length \times width = $5 \times 4 = 20 \text{ square feet}$.
- 15) **Choice A is correct.** **(3.MD.1)** From 10 : 25 to 11 : 25 is 60 minutes. The game ends at 11 : 20, which is 5 minutes earlier: $60 - 5 = 55 \text{ minutes}$. Distractor C (off-by-10), distractor B (confusion with minutes only).
- 16) **The correct answer is 4 sides.** **(3.G.1)** A rectangle is a quadrilateral, so it has 4 sides.
- 17) **Choices A and B are correct.** **(3.NF.2)** $\frac{1}{2} = \frac{2}{4}$ because both represent the same distance: halfway from 0 to 1. The other fractions name different points.
- 18) **Choice C is correct.** **(3.NBT.2)** $9 \times 4 = 36$ is correct. The others: $7 \times 6 = 42$, $8 \times 6 = 48$, $5 \times 9 = 45$.
- 19) **The correct answer is 15.** **(3.OA.5)** $3 \times 5 = 15$.
- 20) **Choice A is correct.** **(3.NBT.2)** Add three numbers: $145 + 208 + 197 = 550$. Ones: $5 + 8 + 7 = 20$ (write 0, carry 2). Tens: $4 + 0 + 9 + 2 = 15$ (write 5, carry 1). Hundreds: $1 + 2 + 1 + 1 = 5$.
- 21) **Choice D is correct.** **(3.NF.1)** Eighths are the smallest pieces listed, so the first tick at $\frac{1}{8}$ is closest to 0.
- 22) **Choice A is correct.** **(3.MD.7)** A square with side 3 has area $3 \times 3 = 9 \text{ square inches}$.
- 23) **Choice B is correct.** **(3.NF.3)** $\frac{2}{4}$ and $\frac{3}{6}$ both equal half of a whole.
- 24) **Choice A is correct.** **(3.G.2)** $\frac{1}{4}$ of a bar divided into 4 equal parts is 1 part.
- 25) **Choice A is correct.** **(3.MD.4)** Each X represents one measurement. Three X's above $4\frac{1}{2}$ means three pencils have that length.
- 26) **The correct answer is 10.** **(3.OA.8)** First divide: $96 \div 8 = 12 \text{ stickers in each group}$. Then subtract the stickers used: $12 - 2 = 10 \text{ stickers left in one group}$.
- 27) **Choice C is correct.** **(3.MD.5)** Counting rows and columns: 5 units wide and 3 units tall gives $5 \times 3 = 15 \text{ unit squares}$.
- 28) **Choice C is correct.** **(3.NBT.3)** Multiply $9 \times 3 = 27$, then multiply by 10: $9 \times 30 = 270$. Add exactly one zero—not zero zeros, and not two zeros.
- 29) **Choice B is correct.** **(3.NF.3)** Three thirds is one whole. Three sixths is half. So $\frac{3}{3} > \frac{3}{6}$.
- 30) **Choice A is correct.** **(3.NF.1)** The denominator (bottom number) tells us how many equal parts the whole is divided into. For example, in $\frac{1}{4}$, the 4 means the whole is divided into 4 equal parts.



A Note From Your Math Friend

Hi, Math Star!

◇ Wow! You finished 8 full practice tests. That is a LOT of math problems. You worked hard, and your brain got stronger every time. ◇

★ **Here is a big idea:** mistakes are okay! Every time you got something wrong, you got smarter. Through 8 tests, you learned that trying is the most important thing. ★

Look What You Did!

- **Hard Worker:** You did not give up!
- **Smart Thinker:** You used your math tools.
- **Brave Learner:** You tried hard problems.
- **Test Ready:** You feel proud and prepared.

Big tip for test day: take your time. Read each problem twice. Show your work. Check your answer. You can do this!

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

Jay Daie

Your Math Friend

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PRACTICE TODAY. MASTER TOMORROW.

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

- ✓ 8 full-length practice tests
- ✓ Aligned to Grade 3 standards
- ✓ Build confidence and achieve success



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

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- ✓ Fractions & Decimals
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- ✓ Geometry
- ✓ Measurement & Data
- ✓ Number Patterns
- ✓ Word Problems
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- ✓ Perimeter, Area & Volume
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