

6

South Dakota

Smarter Balanced

GRADE 3

MATH

PRACTICE TESTS

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



6 Full-Length
Practice Tests



Detailed Answer Keys
and Explanations



Master Skills.
Boost Scores.
Succeed!

6 South Dakota Smarter Balanced Grade 3 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Six complete 30-question practice labs 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 Six Skill Labs

Six full tests, six focused resets, and a stronger Grade 3 problem solver



Notice the pattern. Choose a tool. Explain the answer.

To the Grade 3 Math Builder

This book gives you six practice labs for the South Dakota Smarter Balanced. Each lab is a complete 30-question test, so students can practice accuracy, stamina, and clear mathematical thinking.

South Dakota brings prairie grass, Black Hills trails, river bluffs, and starry nights. Strong math uses that same care: read the task, select a strategy, build the solution, and work patiently through each checkpoint.

Decode

Find the question, the units, and the useful numbers.

Design

Use an equation, array, number line, graph, or sketch.

Confirm

Make sure the answer matches the question.

Six-lab promise: I will work with patience, show useful thinking, and treat corrections as part of learning.

How to Use This Book

A six-lab routine for steady Grade 3 growth

Use one practice lab at a time. The goal is not only to finish more pages. The goal is to finish, review, repair, and bring a smarter habit to the next test. For South Dakota students, each lab is a short route through prairie grass, Black Hills trails, river bluffs, and starry nights: steady, alert, and ready for the next clue.

1. **Warm up.** Skim the reference materials and remind yourself of common tools.
2. **Take one test.** Work steadily and mark problems that need a second look.
3. **Check answers.** Use the compact answer keys first.
4. **Read explanations.** Study missed items and any lucky guesses.
5. **Redo two problems.** Rewrite the work cleanly without peeking.
6. **Set the next lab goal.** Choose one skill or habit to improve.

Best review habit: A mistake is most useful when you can say why it happened and what you will do differently next time.



What Is Inside?

Six complete practice tests with review support

Part	What You Do	Why It Helps
Practice Tests 1–6	Solve six different 30-question tests.	Build stamina and see Grade 3 skills mixed together.
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 Dakota 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 Dakota Smarter Balanced path.



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1) A rectangular sandbox in a park has a length of 9 feet and a width of 7 feet. What is the area of the sandbox?

A. 63 sq ft

C. 16 sq ft

B. 32 sq ft

D. 126 sq ft

2) A cake is divided into 6 equal pieces. If you eat $\frac{1}{6}$, $\frac{1}{6}$, and $\frac{1}{6}$, how much of the cake do you eat in total?

A. $\frac{3}{6}$

C. $\frac{1}{18}$

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

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

3) Which statement is true?

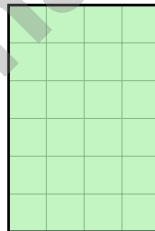
A. If $8 \times 2 = 16$, then $16 \div 2 = 8$ and $16 \div 8 = 2$

C. If $8 \times 2 = 16$, then division is not related

B. If $8 \times 2 = 16$, then $16 \div 2 = 2$ only

D. If $8 \times 2 = 16$, then $16 \div 2 = 16$

4) This grid shows a rectangle made of unit squares.



What is the area in square units?

A. 10 sq units

C. 24 sq units

B. 18 sq units

D. 28 sq units



5) Noah finishes dinner at 6 : 11 PM. He finishes 26 minutes after starting. What time did Noah start eating dinner?

A. 5 : 45 PM

C. 6 : 00 PM

B. 5 : 55 PM

D. 6 : 37 PM

6) A bar graph shows games played. Soccer bar is 3 units, basketball bar is 4 units, tag bar is 2 units. Each unit is 5 games. How many total games were played?

A. 45

C. 55

B. 50

D. 60

7) Which expression uses the associative property to regroup $4 \times (3 \times 2)$ without changing the order of the factors?

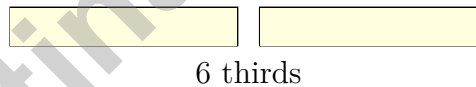
A. $4 + (3 \times 2)$

C. $(4 \times 2) \times 3$

B. $(4 \times 3) + 2$

D. $(4 \times 3) \times 2$

8) What whole number equals $\frac{6}{3}$? Use the bar diagram to help.



A. 3

C. 6

B. 1

D. 2

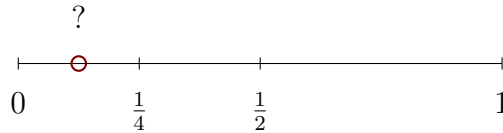
9) What is 389 rounded to the nearest 10?



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10) If a number line from 0 to 1 has 8 equal parts, how far is the fifth tick from 0?

- A. $\frac{1}{8}$
 C. $\frac{5}{8}$
 B. $\frac{4}{8}$
 D. $\frac{8}{8}$



11)

The red dot is between 0 and $\frac{1}{4}$. What fraction could it be?

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

12) Noah has 28 flowers. He puts them equally into 4 vases. How many flowers are in each vase?

- A. 6
 C. 24
 B. 32
 D. 7

13) A line plot shows test scores: 70 appears 1 time, $70\frac{1}{2}$ appears 3 times, and 71 appears 2 times. What is the most common test score?



1) Round 682 to the nearest 100.

A. 600

C. 682

B. 680

D. 700

Container	Volume
Bottle	750 mL
Jug	2 L
Glass	250 mL
Cup	200 mL

2)

Which container holds the most liquid?

A. Bottle

C. Glass

B. Jug

D. Cup

3) Which fraction equals $\frac{1}{4}$?

A. $\frac{2}{4}$

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

B. $\frac{2}{8}$

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

4) Lily and Mia are comparing rectangles. Lily's rectangle is 6 units long and 5 units wide. Mia's rectangle is 7 units long and 4 units wide. Who has the larger area?

A. Mia

C. They are equal

B. Lily

D. Cannot be determined



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1) A bar graph shows hours practiced. Piano: 6 units (scale: 2 hours per unit). Guitar: 4 units (scale: 2 hours per unit). How many more hours was piano practiced?

A. 2

C. 8

B. 4

D. 12

2) Round 756 to the nearest 100.

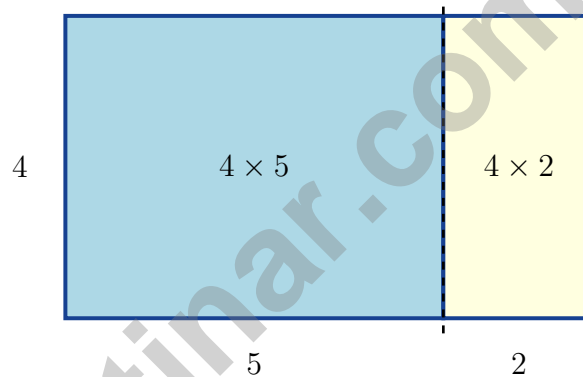
A. 700

C. 756

B. 750

D. 800

3) Sam draws an area model to find $4 \times 7 = 4 \times (5 + 2)$.



What is $4 \times 5 + 4 \times 2$?

A. 20

C. 30

B. 22

D. 28

4) Complete $\frac{2}{4} = \frac{?}{8}$.



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 A is correct.** **(3.MD.8)** Area = length \times width = $9 \times 7 = 63$ square feet.
- Choice A is correct.** **(3.NF.1)** When you count three unit fractions of $\frac{1}{6}$, you add: $\frac{1}{6} + \frac{1}{6} + \frac{1}{6} = \frac{3}{6}$.
- Choice A is correct.** **(3.OA.6)** From any multiplication fact, you always get two division facts. Both factors work as quotients when dividing the product.
- Choice C is correct.** **(3.MD.6)** 4 units wide \times 6 units tall = 24 unit squares.
- Choice A is correct.** **(3.MD.1)** $6 : 11 - 26 \text{ min} = 5 : 45 \text{ PM}$.
- Choice A is correct.** **(3.MD.3)** Soccer: $3 \times 5 = 15$. Basketball: $4 \times 5 = 20$. Tag: $2 \times 5 = 10$. Total: $15 + 20 + 10 = 45$.
- Choice D is correct.** **(3.OA.5)** The associative property changes the grouping but keeps the factors in the same order. So $4 \times (3 \times 2)$ can be regrouped as $(4 \times 3) \times 2$.
- Choice D is correct.** **(3.G.2)** 6 thirds equals 2 wholes. Each whole has 3 thirds, so $6 \div 3 = 2$ wholes.
- The correct answer is 390.** **(3.NBT.1)** The ones digit is 9. Since $9 \geq 5$, round up: 389 rounds to 390.
- Choice C is correct.** **(3.NF.1)** Each step is one eighth. Five steps from 0 land at $\frac{5}{8}$.
- Choice A is correct.** **(3.NF.3)** One eighth is half of one fourth. The dot is halfway between 0 and $\frac{1}{4}$, so it is $\frac{1}{8}$.
- Choice D is correct.** **(3.OA.2)** $28 \div 4 = 7$. The 28 flowers are shared equally among 4 vases.
- The correct answer is $70\frac{1}{2}$.** **(3.MD.4)** The value with the most X marks is $70\frac{1}{2}$, with 3 X's.
- Choice B is correct.** **(3.G.2)** If 2 out of 6 parts are shaded, then $6 - 2 = 4$ parts are not shaded, which is $\frac{4}{6}$.
- Choice C is correct.** **(3.NF.2)** $\frac{3}{4} = \frac{6}{8}$ because both represent three-fourths of the strip.
- Choice D is correct.** **(3.OA.1)** 7 shelves with 9 toys each means 7 groups of 9. So $7 \times 9 = 63$ toys.
- Choices A and C are correct.** **(3.MD.5)** Rectangles and squares with whole-number dimensions can be covered exactly by unit square tiles without gaps or leftovers. Choice A is a 3×7 rectangle = 21 tiles. Choice C is a 5×5 square = 25 tiles. Shapes with curves (B, E) or triangular points (D) cannot be covered cleanly with square tiles alone.
- Choice B is correct.** **(3.MD.9)** The rectangle has width 5 and combined height $2 + 2 = 4$, so $5 \times (2 + 2) = 20$.
- Choice A is correct.** **(3.NBT.2)** $3 \times 8 = 24$. Think of three groups of 8: $8 + 8 + 8 = 24$.
- Choice C is correct.** **(3.OA.9)** The pattern adds 3 each week: 3, 6, 9, 12. This is skip counting by 3.
- Choice B is correct.** **(3.NF.3)** $\frac{2}{4}$ and $\frac{4}{8}$ both equal half of a whole and mark the same point.
- Choice D is correct.** **(3.OA.4)** Multiply: $7 \times 3 = 21$. Check: $21 \div 3 = 7$.
- The correct answer is 4 right angles.** **(3.G.1)** A square has 4 right angles.
- Choice D is correct.** **(3.OA.3)** Multiply: $8 \text{ bags} \times 3 \text{ candies per bag} = 24 \text{ candies}$.
- Choice B is correct.** **(3.NF.2)** Sam is at tick 1 and Maya is at tick 3. The distance between them is $3 - 1 = 2$ parts.
- Choice B is correct.** **(3.NF.2)** $\frac{8}{8} = 1$ and $\frac{16}{8} = 2$. Since $2 > 1$, $\frac{16}{8}$ is larger.
- Choice C is correct.** **(3.NBT.3)** The array shows 6 rows with 20 items each: $6 \times 20 = 120$ items.
- Choice D is correct.** **(3.OA.8)** Step 1: Oranges: $3 \times 7 = 21$. Step 2: Lemons: $2 \times 8 = 16$. Total: $21 + 16 = 37$ pieces.
- Choice D is correct.** **(3.NBT.2)** Add: $312 + 289 = 601$. Ones: $2 + 9 = 11$ (write 1, carry 1). Tens: $1 + 8 + 1 = 10$ (write 0, carry 1). Hundreds: $3 + 2 + 1 = 6$.
- Choice B is correct.** **(3.MD.2)** $5000 \text{ mL} = 5 \text{ L}$. Subtract: $12 - 5 = 7 \text{ L}$.

Practice Test 2 Answers and Explanations

- Choice A is correct.** **(3.NBT.1)** Numbers from 65 to 74 round to 70. Among choices, A (65) is odd and rounds to 70. B (68) is even. C (72) is even. D (74) is even.



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From a Friend Who Believes in You

Hi, Friend!

◇ I just want to say something important: I am proud of you. You did 6 full practice tests. That takes time, hard work, and heart. ◇

★ **Friendly truth:** a test is just one part of your math journey. You are SO much more than a score. The work you did is the real win! ★

What I Want You to Know

- **You are smart.** Every test you finished proves it.
- **You are brave.** You tried hard problems.
- **You are growing.** Mistakes taught you new things.
- **You are ready.** The skills are inside you.

One more thing: on test day, take a deep breath. Smile. Remember that someone (me!) believes in you. 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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This **Grade 3 Math Practice Tests** book is the perfect companion for students who want to strengthen their math skills and excel in school. With **6** full-length practice tests designed to reflect real test formats, students get the practice they need to understand key concepts, build problem-solving skills, and tackle any challenge with confidence.

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