

5

South Dakota

Smarter Balanced

GRADE 3

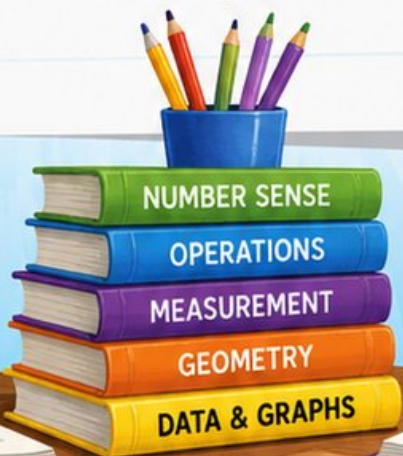
MATH

PRACTICE TESTS

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

$24 \div 3 = 8$

$125 + 37$



5 FULL-LENGTH  
PRACTICE TESTS



STANDARDS-  
ALIGNED  
PRACTICE



DETAILED  
ANSWER KEYS



CLEAR  
EXPLANATIONS  
TO HELP YOU SUCCEED

# 5 South Dakota Smarter Balanced Grade 3 Math Practice Tests

*Standards-Aligned Review with Mixed Practice and Answer Key*



Five focused 30-question checkpoints for Grade 3 math: facts, 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 Five Checkpoint Quest

Five tests, five fresh starts, and one stronger Grade 3 thinker



Read. Model. Solve. Check. Grow.

## To the Grade 3 Math Explorer

This book gives you five practice checkpoints for the South Dakota Smarter Balanced. Each checkpoint is a full 30-question test, so you can practice stamina, accuracy, and the habit of showing what you know.

South Dakota has prairie trails, Black Hills views, big landmarks, and goals reached step by step. Strong math uses the same kind of careful planning: look at the path, choose a tool, and check your work before moving ahead.

### Notice

Circle key words, units, and numbers before you start.

### Build

Use arrays, number lines, equations, tables, or sketches.

### Verify

Ask, "Does this answer fit the question?"

**Five-checkpoint promise:** I will try each test with patience, mark my mistakes honestly, and use every correction to make the next checkpoint stronger.

# How to Use This Book

A five-step routine for steady Grade 3 growth

Use one checkpoint at a time. A good pace is one test, one careful review, and one short skill tune-up before the next test.

1. **Preview the tools.** Skim the reference page and remember where multiplication, fractions, measurement, and shapes appear.
2. **Take one full test.** Work neatly. If a problem feels stuck, mark it and keep moving.
3. **Check the answer key.** Notice the question type: multiple choice, select all, or open-ended.
4. **Study explanations.** Pick two missed questions and redo them without looking.
5. **Choose the next focus.** Write one habit to carry into the next checkpoint.

**Best review habit:** Do not just ask, “What was the answer?” Ask, “What clue did I miss, and what tool should I try next time?”



## What Is Inside?

Five complete practice tests with review support

Part	What You Do	Why It Helps
Practice Tests 1–5	Solve five different 30-question tests.	Build stamina and see many Grade 3 skills mixed together.
Answer Keys	Check each answer in compact boxes.	Find mistakes quickly without losing your place.
Explanations	Read the reason behind each answer.	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. That mix gives students practice with quick choices, careful reasoning, and short written answers.

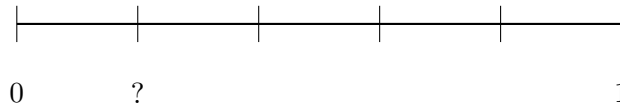


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For more practice  
& answers

# Table of Contents

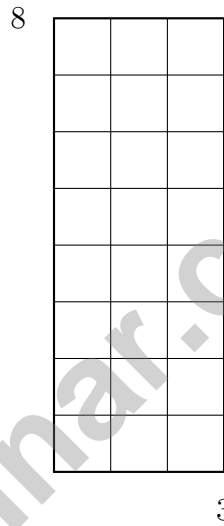
★ Practice Test 1	_____	14
★ Practice Test 2	_____	26
★ Practice Test 3	_____	38
★ Practice Test 4	_____	51
★ Practice Test 5	_____	64
Practice Test Answer Keys	_____	75
Practice Test Answers and Explanations	_____	79

1) A number line from 0 to 1 is divided into 5 equal parts. Which shows the unit fraction?



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

- C.  $\frac{1}{6}$
- D.  $\frac{2}{5}$



2)

How many unit squares fit in this tall rectangle?

- A. 11
- B. 18

- C. 24
- D. 83

3) What number makes the equation true?

$$30 \div 5 = \square$$

- A. 5
- B. 8

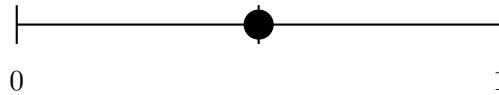
- C. 7
- D. 6

4) Look at even numbers: 2, 4, 6, 8, 10, 12, 14.

What is the rule for this pattern?

- A. Add 1 each time                       C. Add 3 each time  
 B. Skip count by 4                       D. Add 2 each time

5) A point is marked on a number line from 0 to 1 with 2 equal parts. The point is at  $\frac{1}{2}$ . Which statement is true?



- A. It is closer to 0 than 1                       C. It is halfway between 0 and 1  
 B. It is closer to 1 than 0                       D. It is at 0

6) Which number sentence shows the distributive property?

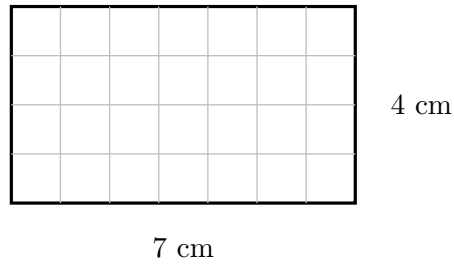
- A.  $7 \times 4 = 28$                        C.  $4 \times 7 = 7 \times 4$   
 B.  $(3 \times 2) \times 5 = 3 \times (2 \times 5)$                        D.  $7 \times (5 + 2) = 7 \times 5 + 7 \times 2$

7) A rectangle has parts with areas 24 and 18. What is the total area?

A large, empty rectangular box with a thin black border, intended for the student to write their answer to question 7.



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8)

Count the grid squares to find the area.

- A. 11 sq cm
- B. 22 sq cm
- C. 28 sq cm
- D. 35 sq cm

9) Which number rounds to 70 when rounded to the nearest 10?

- A. 64
- B. 76
- C. 75
- D. 67

10)



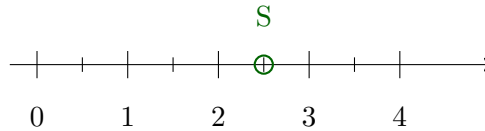
This is a  $6 \times 1$  grid. How many unit squares are shown?

- A. 5 unit squares
- B. 6 unit squares
- C. 7 unit squares
- D. 8 unit squares



1) Which shows the distributive property for  $4 \times (6 + 1)$ ?

- A.  $(4 \times 6) + (4 \times 1) = 24 + 4 = 28$        C.  $(4 + 6) \times (4 + 1) = 10 \times 5 = 50$   
 B.  $4 \times 7 = 28$        D.  $(4 + 6) + (4 + 1) = 14$



2)

The tick marks divide a number line from 0 to 4 into halves. Where is point  $S$ ?

- A.  $\frac{3}{2}$        C.  $\frac{7}{2}$   
 B.  $\frac{5}{2}$        D.  $\frac{9}{2}$
- 3) Ben says that a circle divided into 6 equal parts has each part as  $\frac{1}{5}$ . Is this correct?
- A. Yes, because  $6 - 1 = 5$        C. Yes, because 5 is a unit fraction  
 B. No, each part is  $\frac{1}{6}$        D. No, the circle must have 5 parts



4)

The rectangle has 7 rows of 3 unit squares. Using repeated addition, find the area:  
 $3 + 3 + 3 + 3 + 3 + 3 + 3 = ?$

- A. 10 sq units       C. 14 sq units  
 B. 21 sq units       D. 28 sq units

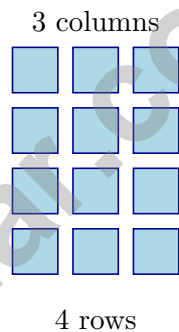


5) What fraction is at the right endpoint of a number line split into 2 equal parts?

6) Which description does NOT clearly show equal groups for multiplication?

- A. Four groups of three objects each       C. Six columns of two dots each  
 B. Two rows of nine stars each       D. Counting by ones from 0 to 10

7) Use the array. Which division sentence does it show?



- A.  $12 \div 6 = 2$        C.  $12 \div 2 = 6$   
 B.  $12 \div 12 = 1$        D.  $12 \div 4 = 3$

8) How many minutes after 6 : 15 is 6 : 35?



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1) Which symbol makes this true?  $\frac{1}{2}$  \_\_\_\_\_  $\frac{1}{4}$

A. <

C. =

B. >

D. None of these

2) Sam has a rectangular garden that is 12 units long and 2 units wide. What is the area of the garden?

A. 14 sq units

C. 36 sq units

B. 24 sq units

D. 48 sq units

3) Eli marks  $\frac{1}{6}$  on a number line from 0 to 1 divided into 6 equal parts. Then he marks  $\frac{5}{6}$ . Which point is closer to the right end of the line?

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

C. Neither is close to the end

B. Both are equally close

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

4) On a number line from 0 to 1 with 8 equal parts, which tick mark is at  $\frac{7}{8}$ ?



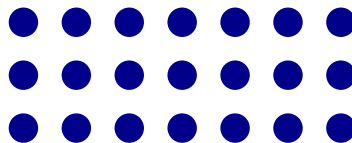
A. The fifth tick

C. The seventh tick

B. The sixth tick

D. The eighth tick

5) Look at this array. It has 3 rows and  columns. There are 21 dots in total.



$$3 \times \square = 21$$

A. 9

C. 6

B. 8

D. 7



- 6) Look at the line plot showing pencil lengths in inches: 5,  $5\frac{1}{4}$ ,  $5\frac{1}{2}$ ,  $5\frac{3}{4}$ , 6. There are 2 X's at 5 inches, 1 X at  $5\frac{1}{4}$  inches, 3 X's at  $5\frac{1}{2}$  inches, 2 X's at  $5\frac{3}{4}$  inches, and 1 X at 6 inches. How many pencils are there in total?

- 7) What is  $7 \times 7$ ?

- A. 42                       C. 56  
 B. 63                       D. 49

- 8) A rectangle is covered with 4 rows of 5 unit squares. What is the area? You can count by rows:  $5 + 5 + 5 + 5$ .

- A. 5 sq units                       C. 20 sq units  
 B. 9 sq units                       D. 25 sq units



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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.NF.A.2a)** Five equal parts means each part is  $\frac{1}{5}$ .
- 2) **Choice C is correct.** **(3.MD.C.7a)** Tall rectangle:  $3 \times 8 = 24$  square units. D is concatenation error.
- 3) **Choice D is correct.** **(3.OA.A.4)** Think:  $6 \times 5 = 30$ , so  $30 \div 5 = 6$ .
- 4) **Choice D is correct.** **(3.OA.D.9)** Even numbers increase by 2: 2, 4, 6, 8, etc.
- 5) **Choice C is correct.** **(3.NF.A.2)**  $\frac{1}{2}$  divides the distance into two equal parts, so it is exactly in the middle.
- 6) **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  $7 \times 5 + 7 \times 2 = 35 + 14 = 49$ .
- 7) **The correct answer is 42 square units.** **(3.MD.C.7c)** Add the two smaller areas:  $24 + 18 = 42$  square units.
- 8) **Choice C is correct.** **(3.MD.C.7)** The grid has 7 columns and 4 rows. Area =  $7 \times 4 = 28$  square cm. You can also add:  $7 + 7 + 7 + 7 = 28$  (four rows of seven).
- 9) **Choice D is correct.** **(3.NBT.A.1)** Numbers from 65 to 74 round to 70. The number 67 has ones digit  $7 \geq 5$ , so it rounds up to 70.
- 10) **Choice B is correct.** **(3.MD.C.5a)** A  $6 \times 1$  grid contains exactly 6 unit squares arranged in a row.
- 11) **Choice B is correct.** **(3.MD.B.4)** At least  $6\frac{1}{4}$  means  $6\frac{1}{4}$  and longer:  $3 + 1 + 1 + 1 = 6$  ropes.
- 12) **Choice A is correct.** **(3.OA.D.8)** Step 1: Subtract donated:  $75 - 15 = 60$  figures. Step 2: Divide into boxes:  $60 \div 12 = 5$  figures per box. (Choice D is step 1 only.)
- 13) **Choice D is correct.** **(3.OA.B.6)**  $30 \div 5 = \square$  means  $\square \times 5 = 30$ . Since  $6 \times 5 = 30$ , there are 6 cookies in each bag.
- 14) **Choices A and C are correct.** **(3.MD.D.8)** Perimeter is the total distance around the outside (A). For rectangles,  $P = 2l + 2w$  (C). Options B and E describe area, and option D is wrong because perimeter and area are different measurements.
- 15) **Choice A is correct.** **(3.MD.A.1)** 11 : 48 is 12 minutes before 12 : 00 (noon). Both describe the same time. Distractor B is true but doesn't match the goal; C is false ( $11 + 12\text{min} = 11 : 12$ ).
- 16) **Choice A is correct.** **(3.NF.A.3d)**  $\frac{1}{2}$  and  $\frac{2}{4}$  cover the same amount. They are equivalent fractions.
- 17) **Choice A is correct.** **(3.NF.A.3b)** Divide the numerator and denominator of  $\frac{2}{4}$  by 2:  $\frac{2 \div 2}{4 \div 2} = \frac{1}{2}$ .
- 18) **Choice C is correct.** **(3.G.A.2)** Three colored parts out of 6 equal parts is  $\frac{3}{6}$ .
- 19) **Choice B is correct.** **(3.NF.A.3c)**  $\frac{2}{1} = 2$  wholes;  $\frac{8}{4} = 8 \div 4 = 2$  wholes. Other pairs do not both equal 2.
- 20) **Choice D is correct.** **(3.MD.A.2)** Multiply:  $3 \times 400 = 1200$  mL.
- 21) **Choice A is correct.** **(3.OA.A.2)** The number line shows repeated subtraction of 3 four times, so  $12 \div 3 = 4$ .
- 22) **Choice D is correct.** **(3.G.A.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.
- 23) **Choice A is correct.** **(3.MD.C.5)** The tile with an area of 9 square inches is smaller than the tile with 16 square inches. Smaller area means less space inside.
- 24) **Choice B is correct.** **(3.MD.C.5b)** Counting the 8 unit squares in the grid gives an area of 8 square units.
- 25) **Choice D is correct.** **(3.OA.A.1)** The picture shows 4 columns with 3 symbols in each column. This is 4 groups of 3, so  $4 \times 3 = 12$ .
- 26) **The correct answer is  $\frac{1}{6}$ .** **(3.NF.A.1)** One of 6 equal parts is  $\frac{1}{6}$ .
- 27) **Choice A is correct.** **(3.MD.B.3)** Divide total by scale:  $12 \div 4 = 3$  icons.
- 28) **Choice C is correct.** **(3.NF.A.3)**  $\frac{3}{4}$  and  $\frac{6}{8}$  both show three-fourths of a whole.
- 29) **The correct answer is 20 square units.** **(3.MD.C.7d)**  $4 \times 3 = 12$ ,  $2 \times 2 = 4$ , and  $2 \times 2 = 4$ , so  $12 + 4 + 4 = 20$  square units.
- 30) **Choice C is correct.** **(3.NBT.A.3)** 2 rows of 50 squares =  $2 \times 50 = 100$  squares. Multiply  $2 \times 5 = 10$ , then multiply by 10 to get 100.



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A Note From Your Math Friend

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## Hi, Math Star!

◇ Wow! You finished 5 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 5 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](mailto:jay@testinar.com).

**Jay Daie**

Your Math Friend

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# Build Skills. Boost Confidence. Excel in Grade 3 Math!

This book provides 5 full-length Grade 3 math practice tests that follow standards and help students achieve real results.



## 5 Full-Length Practice Tests

Realistic tests to build stamina and familiarity.



## Standards-Aligned Practice

Questions match Grade 3 math standards and key skills.



## Answer Keys & Explanations

Detailed answers that show steps and clear reasoning.



## Review & Master Skills

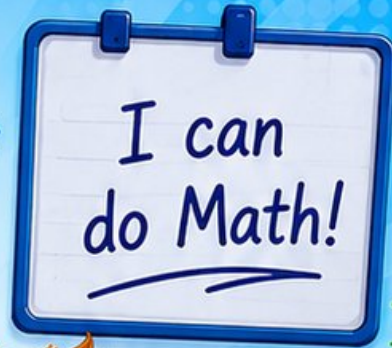
Strengthen concepts in numbers, operations, fractions, geometry, measurement, and more.

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- ✓ Number Patterns
- ✓ Fractions & Decimals
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- ✓ Geometry
- ✓ Perimeter, Area & Volume
- ✓ Time & Money
- ✓ Data & Graphs
- ✓ Word Problems
- ✓ And More!



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and practice materials!



$$\begin{array}{r} 7 \times 8 \\ = 56 \end{array}$$

$$\begin{array}{r} 36 \\ \div 4 = 9 \end{array}$$

$$\begin{array}{r} 452 \\ - 178 \\ \hline = 274 \end{array}$$



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to Succeed in Grade 3 Math!



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