

+ =

10 South Dakota

★ Smarter Balanced




GRADE 3

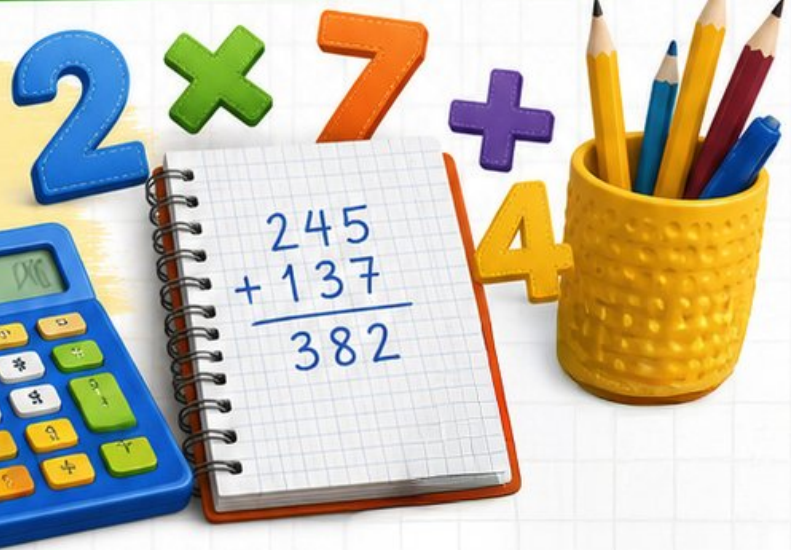
MATH



PRACTICE TESTS



- ✓ Complete Standards Review
 - ✓ Skill Practice
 - ✓ Word Problems and Answer Key
- 



★ ★ ★
**PREPARE
PRACTICE
SUCCEED!**
★ ★ ★



10 South Dakota Smarter Balanced Grade 3 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Ten complete 30-question Grade 3 practice rounds for Smarter Balanced, built around prairie monuments, open roads, and patient problem solving, with answer keys and clear explanations for every item.

Jay Daie and Reza Nazari



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Welcome, South Dakota Math Explorer!

Ten steady rounds on the Mount Rushmore State math route

This book gives you ten full Grade 3 practice tests for Smarter Balanced. Each round uses prairie monuments, open roads, and patient problem solving to keep practice memorable while you read carefully, choose a strategy, show work, and check the answer.

South Dakota Practice Promise

I will slow down for the question, circle what matters, solve one step at a time, and use mistakes as clues for getting stronger.

Read

Plan

Check

How to Use This Book

A ten-session routine for South Dakota Smarter Balanced review

1. **Preview the skills.** Read the quick review pages before the first test.
2. **Take one test at a time.** Treat each round like a stop on the Mount Rushmore State math route.
3. **Mark your confidence.** Put a small star beside problems you solved with a strong plan.
4. **Check, then retry.** For missed questions, try the problem again before reading the explanation.
5. **Track your next move.** Use the growth log to name one habit and one skill for the next test.

Good rhythm: Test one day, correct carefully the next day, then return for the next round when your corrections feel clear.



What Is Inside?

Ten tests, 300 questions, and a full Smarter Balanced review path

Part	What You Will Practice
Tests 1–3	Warm-up rounds for reading carefully, choosing operations, and using models.
Tests 4–6	Skill-building rounds with fractions, measurement, area, data, and two-step problems.
Tests 7–9	Stamina rounds for mixed review, neat work, and flexible strategies.
Test 10	Final round to show growth across the whole South Dakota book.
Answer Pages	Compact keys and explanations that show why each answer works.

The tests are mixed on purpose. Real test readiness means recognizing the skill even when the next question changes topic.

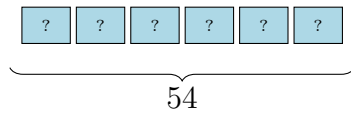


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& answers

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1) Look at this bar model. It shows 6 equal parts. The total is 54.



$$6 \times \square = 54$$

A. 8

C. 10

B. 11

D. 9

2) Kai has 20 toy cars. He puts 5 toy cars in each group. Which division shows the number of groups?

A. $20 \div 5 = 4$

C. $20 + 5 = 25$

B. $20 \div 4 = 4$

D. $20 - 5 = 15$

3) Write a fraction equivalent to $\frac{3}{6}$.

4) Two rectangles have the same area of 24 square units. Rectangle A is 6 units by 4 units. Which dimensions could Rectangle B have?

A. 8 units by 3 units

C. 6 units by 5 units

B. 5 units by 5 units

D. 7 units by 3 units



5) A long rectangle has area 60 square units. It is split vertically into two parts. One part is 4×10 . What is the area of the other part if they share the same length?

A. 40

C. 30

B. 20

D. 60

6) Which comparison is true?

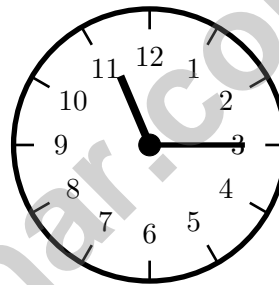
A. $\frac{3}{2} > \frac{3}{3}$

C. $\frac{3}{2} = \frac{3}{3}$

B. $\frac{3}{2} < \frac{3}{3}$

D. $\frac{3}{3} > \frac{3}{2}$

7) A clock shows the hour hand between 11 and 12, and the minute hand points to 3. What time does it show?



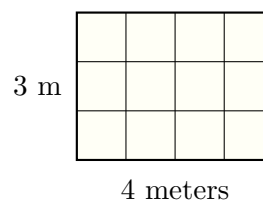
A. 3 : 12

C. 11 : 30

B. 11 : 15

D. 12 : 35

8) 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

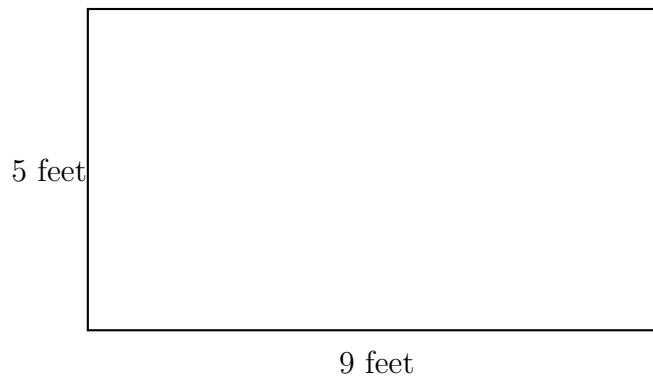
C. 12 tiles

B. 10 tiles

D. 16 tiles



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9)

A rectangular swimming pool is 9 feet long and 5 feet wide. What is the area?

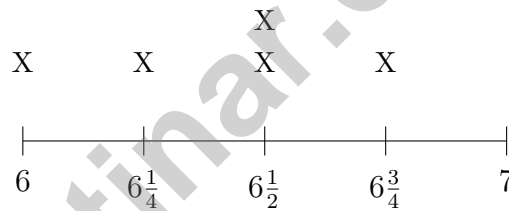
 A. 28 sq ft

 C. 45 sq ft

 B. 14 sq ft

 D. 90 sq ft

10) A line plot shows fish tank measurements in inches using quarters: $6, 6\frac{1}{4}, 6\frac{1}{2}, 6\frac{3}{4}, 7$.



How many measurements in total?

 A. 5

 C. 4

 B. 6

 D. 7


1) Lily's sandbox is a square with sides of 5 feet. How many square feet is the sandbox?

- A. 10 sq ft C. 25 sq ft
 B. 20 sq ft D. 30 sq ft

2) What fraction marks the second tick on a number line split into 6 equal parts?



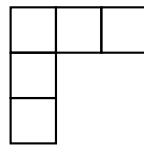
Subtraction Problem

3)

Hundreds	Tens	Ones
6	4	2
—	—	—
2	1	5

Using the place-value chart, what is $642 - 215$?

- A. 427 C. 527
 B. 437 D. 447
- 4) Here is a shape that looks like an "L" or corner, made of unit squares:



Count the unit squares in this L-shaped figure. How many are there?

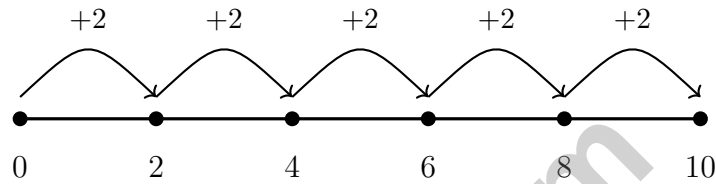
- A. 3 unit squares C. 6 unit squares
 B. 5 unit squares D. 8 unit squares



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5) On a number line split into 4 equal parts, which tick represents $\frac{3}{4}$?

6) Which division sentence is represented by the number line?



A. $10 \div 5$

C. 5×2

B. $2 + 10$

D. $10 \div 2$

7) Which of these is *NOT* a valid number that rounds to 300 when rounded to the nearest 100?

A. 249

C. 325

B. 301

D. 349

8) How are squares and rectangles similar?

A. Both have 4 sides and 4 right angles

C. Both have no parallel sides

B. Both have all equal sides

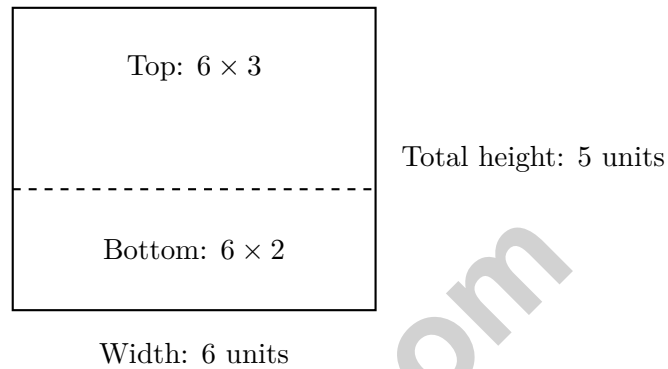
D. Both have 5 vertices



1) Lily knows that $3 \times 6 = 18$. How does this help her find 3×7 ?

- A. Add 3 to get $18 + 3 = 21$ C. Add 7 to get $18 + 7 = 25$
 B. The answer is 18 D. Multiply 18 by 7

2) A rectangle is tiled and labeled like this:



Which sum of the two smaller areas gives the total area?

- A. $6 \times (3 + 2) = 30$ C. $6 + 5 = 11$
 B. $(6 \times 3) + (6 \times 2) = 18 + 12 = 30$ D. $3 + 2 = 5$
- 3) Eli has two shapes. Shape 1 is a 2×10 rectangle. Shape 2 is a 4×5 rectangle. Do the shapes have the same area?

- A. Yes, both are 20 square units C. No, Shape 2 has 9 square units
 B. No, Shape 1 has 12 square units D. Cannot determine

4) Find $30 \div 5$.



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& answers

5) What do all quadrilaterals have in common?

- A. They all have right angles C. They all have parallel sides
 B. They all have equal sides D. They all have 4 sides

6) Look at the fraction bars. Are $\frac{3}{6}$ and $\frac{1}{2}$ equivalent?



- A. Yes, both show half C. No, $\frac{1}{2}$ is larger
 B. No, $\frac{3}{6}$ is larger D. Cannot tell from the bars

7) Find $42 \div 6$. (Hint: What times 6 makes 42?)

8) Ava makes 5 sets of picture cards. Each set has 20 cards. How many cards does Ava make?

- A. 25 C. 100
 B. 52 D. 1000

9) What whole number equals $\frac{12}{6}$?

- A. 6 C. 12
 B. 2 D. 3



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 D is correct.** (3.OA.4) Divide: $54 \div 6 = 9$. Each part is 9. Check: $6 \times 9 = 54$.
- 2) **Choice A is correct.** (3.OA.6) There are 20 toy cars with 5 in each group, so $20 \div 5 = 4$ groups.
- 3) **The correct answer is $\frac{1}{2}$.** (3.NF.2) $\frac{3}{6} = \frac{1}{2}$.
- 4) **Choice A is correct.** (3.MD.5) $8 \times 3 = 24$ square units, same as Rectangle A.
- 5) **Choice B is correct.** (3.MD.9) One part is $4 \times 10 = 40$. Total is 60. So the other part has area $60 - 40 = 20$.
- 6) **Choice A is correct.** (3.NF.3) Three halves equals 1.5 (greater than one whole). Three thirds equals 1 (exactly one whole). So $\frac{3}{2} > \frac{3}{3}$.
- 7) **Choice B is correct.** (3.MD.1) The minute hand on 3 means 15 minutes. The hour hand between 11 and 12 means the hour is 11. So the time is 11 : 15.
- 8) **Choice C is correct.** (3.MD.6) Area = length \times width = $4 \text{ m} \times 3 \text{ m} = 12$ unit squares.
- 9) **Choice C is correct.** (3.MD.8) Area = length \times width = $9 \times 5 = 45$ square feet.
- 10) **Choice A is correct.** (3.MD.4) Count all the X's: one at 6, one at $6\frac{1}{4}$, two at $6\frac{1}{2}$, one at $6\frac{3}{4}$. Total is 5.
- 11) **Choice C is correct.** (3.MD.5) Top: $8 \times 3 = 24$ sq units. Bottom: $5 \times 2 = 10$ sq units. Total: $24 + 10 = 34$ sq units.
- 12) **Choice A is correct.** (3.NF.1) When a whole is divided into 8 equal parts, one part is the unit fraction $\frac{1}{8}$ (one-eighth).
- 13) **Choice A is correct.** (3.MD.6) Area = $8 \times 4 = 32$ square centimeters.
- 14) **Choice B is correct.** (3.MD.2) Half of 300 mL is $300 \div 2 = 150$ mL.
- 15) **Choice B is correct.** (3.NF.1) The second tick is at $\frac{2}{4}$, which is two unit fractions of size $\frac{1}{4}$ each.
- 16) **Choice C is correct.** (3.NBT.1) For 245: tens digit is $4 < 5$, rounds to 200. For 255: tens digit is $5 \geq 5$, rounds to 300. So 255 becomes the larger rounded number ($300 > 200$).
- 17) **Choices B and D are correct.** (3.OA.3) B uses division to find how many boxes are needed, and D uses division to share pencils equally. A, C, and E require multiplication.
- 18) **Choice C is correct.** (3.NBT.2) $80 \div 8 = 10$ because $10 \times 8 = 80$.
- 19) **Choice B is correct.** (3.MD.8) Multiply length \times width: $4 \times 3 = 12$ tiles. Shows tiling result matches multiplication.
- 20) **Choice D is correct.** (3.OA.2) Measurement division finds how many groups. Divide the total by the group size.
- 21) **Choice B is correct.** (3.MD.7) Area = $5 \times 2 = 10$ square units.
- 22) **Choice D is correct.** (3.OA.5) Since 9 groups of 4 is one group of 4 less than 10 groups of 4, $9 \times 4 = 10 \times 4 - 1 \times 4 = 40 - 4 = 36$.
- 23) **The correct answer is 30 inches.** (3.MD.3) Multiply the units by the scale value: $3 \times 10 = 30$ inches.
- 24) **Choice C is correct.** (3.G.2) Three complete circles = 3 wholes = $\frac{3}{1}$.
- 25) **The correct answer is 12.** (3.OA.9) The difference between consecutive numbers is always 2: $2 + 2 = 4$, $4 + 2 = 6$, and so on. So $10 + 2 = 12$.
- 26) **Choice B is correct.** (3.MD.5) $7 \times 5 = 35$ square units.
- 27) **Choice A is correct.** (3.NBT.2) Ones: $7 + 6 = 13$ (write 3, carry 1). Tens: $6 + 1 + 1 = 8$. Hundreds: $5 + 2 = 7$. Answer: 783.
- 28) **Choice A is correct.** (3.NF.3) The bars show the same shaded amount. $\frac{2}{8}$ and $\frac{1}{4}$ are equivalent.
- 29) **Choice B is correct.** (3.NF.3) The numerator was multiplied by 2 (from 1 to 2). Multiply the denominator by 2: $3 \times 2 = 6$. So $\frac{1}{3} = \frac{2}{6}$.
- 30) **Choice B is correct.** (3.NBT.3) The pattern shows: when you multiply any number by 10, you write the number and add a zero. So $8 \times 10 = 80$.

Practice Test 2 Answers and Explanations



Cheer Squad Final Pep Talk

Hi, Math Star!

◇ 10 practice tests! That's a LOT of work, and you did it ALL. I am cheering so loud right now. You earned every clap and every cheer! ◇

★ **Cheerleader truth:** confidence is built by showing up. You showed up 10 times. That's real confidence. It is not pretend! ★

Cheer Roll Call

- **Effort:** 100% YOU SHOWED UP!
- **Heart:** BIG!
- **Skills:** STRONG and growing!
- **Spirit:** BRIGHT!

Cheer tip: on test day, be your own cheerleader. Whisper to yourself: "I can do this. I practiced." Tiny cheers make a big difference!

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

Jay Daie

Your Math Cheerleader

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