

# 8

# Nevada

## Smarter Balanced

### GRADE 3

# MATH

## PRACTICE TESTS

Standards-Aligned Review with  
Mixed Practice and Answer Key



8 Full-Length  
Practice Tests



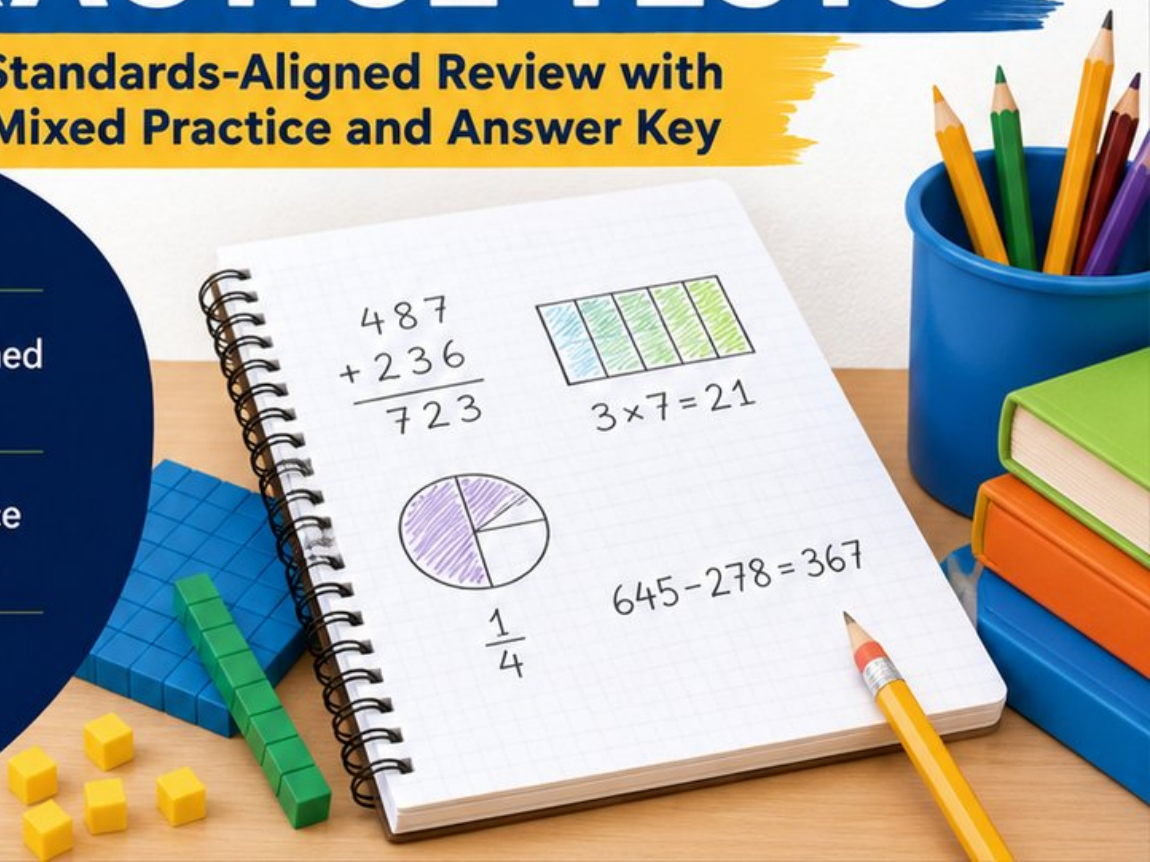
Standards-Aligned  
Questions



Build Confidence  
and Math Skills



Answer Key  
Included



# 8 Nevada 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.

**Jay Daie and Reza Nazari**



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# Nevada, 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 Nevada 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.

Nevada has desert valleys, mountain roads, bright city lights, dry lake beds, and careful test routines, where careful steps matter. Strong math follows that same path: notice the question, choose a tool, show the work, and keep focus when details compete for attention.

## Your Nevada 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 Nevada 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 Nevada, 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

**Nevada focus:** The practice path starts with desert valleys, mountain roads, bright city lights, dry lake beds, and careful test routines. Strong math uses the same idea: know the path, follow the clues, and check the final answer.



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For more practice  
& answers

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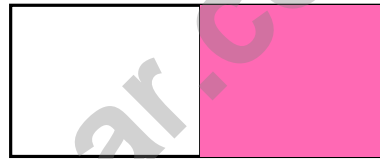
- 1) A rectangle is divided equally. One part is  $\frac{1}{6}$  of the whole. How many equal parts is the rectangle divided into?



- A. 4 parts                       C. 3 parts  
 B. 8 parts                       D. 6 parts
- 2) Which fraction is equivalent to  $\frac{2}{4}$ ?

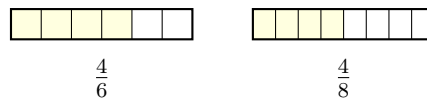
- A.  $\frac{2}{3}$                                C.  $\frac{1}{2}$   
 B.  $\frac{3}{4}$                                D.  $\frac{2}{8}$

- 3) A rectangle has 2 equal parts. One part is shaded.



What fraction does the shaded part show?

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



- 4)

Compare  $\frac{4}{6}$  and  $\frac{4}{8}$ . Which is true?

- A.  $\frac{4}{6} > \frac{4}{8}$  (same numerator,  $6 > 8$ )                       D.  $\frac{4}{8} > \frac{4}{6}$  (more pieces means more amount)  
 B.  $\frac{4}{6} < \frac{4}{8}$  ( $8 > 6$ )  
 C.  $\frac{4}{6} = \frac{4}{8}$



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- 5) Maria measured the widths of five leaves and got these results: 2 inches,  $2\frac{1}{4}$  inches,  $2\frac{1}{4}$  inches,  $2\frac{1}{2}$  inches, and 2 inches. On a line plot with a scale of 2,  $2\frac{1}{4}$ ,  $2\frac{1}{2}$ ,  $2\frac{3}{4}$ , 3 inches, how many X's would you place above the  $2\frac{1}{4}$  inch mark?

- 6) A square is 8 units on each side. A rectangle is 4 units by 16 units. Compare their areas. Which statement is true?
- A. The square has more area       C. They have exactly the same area
- B. The rectangle has more area       D. The square is longer
- 7) Look at this number line with 0 to 1 divided into 6 equal parts:



What fraction is the first tick labeled by the question mark?

- A.  $\frac{1}{6}$        C.  $\frac{1}{3}$
- B.  $\frac{1}{5}$        D.  $\frac{2}{6}$
- 8) Which shape has opposite sides that are parallel and equal in length?
- A. Triangle       C. Pentagon
- B. Trapezoid       D. Parallelogram



9) Sam is organizing stickers into an array. He makes 8 rows with 5 stickers in each row. How many stickers are in the array?

- A. 35 stickers                       C. 45 stickers  
 B. 50 stickers                       D. 40 stickers

10) What is  $6 \times 4$ ?



11) Noah is counting unit squares on a tiled wall pattern. The wall displays this arrangement:



What is the total area covered?

- A. 9 sq units                       C. 18 sq units  
 B. 15 sq units                       D. 24 sq units

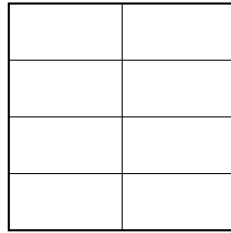
12) Two rectangles have the same area. Rectangle 1 is 2 units by 9 units. Rectangle 2 is 3 units by ? units. What is the missing length?

- A. 4 units                       C. 6 units  
 B. 5 units                       D. 7 units



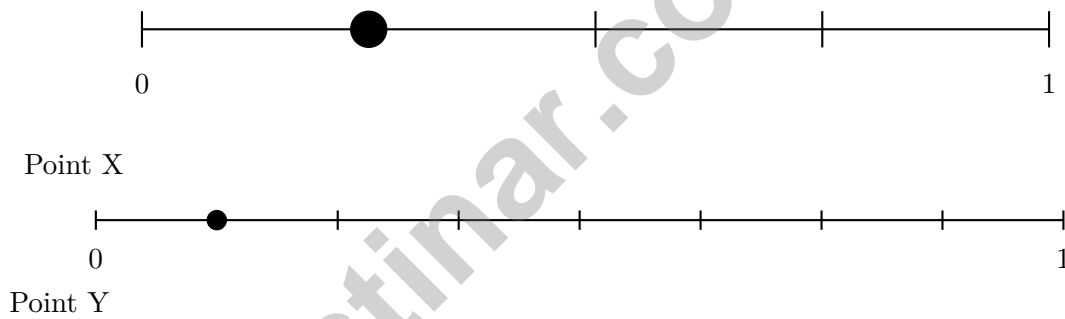
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- 1) A square is divided into 8 equal parts by drawing 1 vertical line and 3 horizontal lines through the middle. What fraction of the square is one part?



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

- 2) A number line from 0 to 1 has two unlabeled points. Point X is at the first tick of a 4-part line. Point Y is at the first tick of an 8-part line. Which is farther from 0?



- A. Point X
  C. They are equidistant  
 B. Point Y
  D. Cannot be determined

- 3) Look at the pattern 2, 4, 6, 8, 10. What is the next number? Explain why.

4) Sofia buys packages of toy blocks. Each package has 20 blocks. She buys 6 packages. How many blocks does she have?

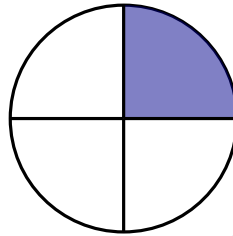
A. 26

C. 120

B. 62

D. 200

5) Look at the circle. It is divided into 4 equal parts. One part is shaded.



What fraction is shaded?

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

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

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

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

6) Below is a grouped representation showing 3 groups of items with 5 items in each group drawn as stars.



How many stars are there in total?

A. 8

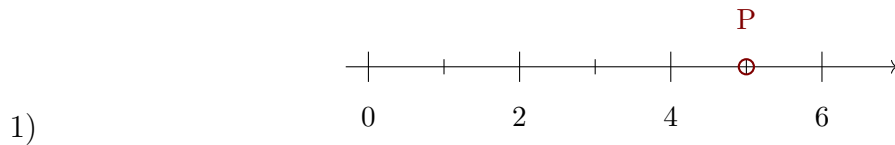
C. 10

B. 12

D. 15



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The number line from 0 to 6 is divided into 6 equal parts. Point  $P$  is shown. What fraction of the distance from 0 to 6 is point  $P$ ?

A.  $\frac{4}{6}$

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

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

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

- 2) A square tile has sides of 6 centimeters. How many unit squares cover the tile?  
Explain how you counted: did you count by rows or skip-count?



3) 

How many small squares are in this array?

A. 8 squares

B. 7 squares

C. 12 squares

D. 10 squares



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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 D is correct.** **(3.G.A.2)** If one part is  $\frac{1}{6}$ , then the rectangle must be divided into 6 equal parts.
- 2) **Choice C is correct.** **(3.NF.A.3a)**  $\frac{2}{4}$  simplifies to  $\frac{1}{2}$ . They represent the same region: one-half.
- 3) **Choice C is correct.** **(3.NF.A.1)** The rectangle is divided into 2 equal parts with 1 shaded. The fraction is  $\frac{1}{2}$  (one-half).
- 4) **Choice A is correct.** **(3.NF.A.3d)** Same numerator (4): sixths are bigger pieces than eighths. Comparing the shaded areas: 4 sixths covers more than 4 eighths. The fewer pieces the denominator divides into, the bigger each piece.
- 5) **The correct answer is 2 X's.** **(3.MD.B.4)** Two leaves measured exactly  $2\frac{1}{4}$  inches, so there would be 2 X's above the  $2\frac{1}{4}$  mark.
- 6) **Choice C is correct.** **(3.MD.C.5)** Square:  $8 \times 8 = 64$  square units. Rectangle:  $4 \times 16 = 64$  square units. Many different shapes can have the same area.
- 7) **Choice A is correct.** **(3.NF.A.2a)** Six equal parts means each is  $\frac{1}{6}$ .
- 8) **Choice D is correct.** **(3.G.A.1)** A parallelogram has two pairs of opposite sides that are both parallel and equal in length. Rectangles and rhombuses are special parallelograms.
- 9) **Choice D is correct.** **(3.OA.C.7)** 8 rows with 5 in each row:  $8 \times 5 = 40$ .
- 10) **The correct answer is 24.** **(3.OA.B.5)** By the commutative property,  $4 \times 6 = 6 \times 4 = 24$ .
- 11) **Choice C is correct.** **(3.MD.C.5b)** 6 units wide by 3 units tall:  $6 \times 3 = 18$  square units.
- 12) **Choice C is correct.** **(3.MD.C.7)** Rectangle 1:  $2 \times 9 = 18$  sq units. Rectangle 2:  $3 \times ? = 18$ . So  $? = 18 \div 3 = 6$  units.
- 13) **Choice C is correct.** **(3.MD.C.7d)** Vertical:  $7 \times 6 = 42$  sq units. Horizontal:  $8 \times 3 = 24$  sq units. Total:  $42 + 24 = 66$  sq units.
- 14) **Choice C is correct.** **(3.MD.C.7b)** Area = length  $\times$  width =  $4 \times 6 = 24$  square inches.
- 15) **Choice A is correct.** **(3.OA.D.9)** The products 2, 4, 6 each increase by 2 because we multiply 2 by 1, then 2, then 3.
- 16) **Choice A is correct.** **(3.NBT.A.2)** Ones:  $4 + 2 = 6$ . Tens:  $2 + 1 = 3$ . Hundreds:  $5 + 3 = 8$ . Answer: 836.
- 17) **Choices C and D are correct.** **(3.MD.C.7c)** C and D are both correct because they show the same total area using the distributive property. The second rectangle has area 21 square units and width 3 units, so A and B are false. E is false because the total area is 63, not 105.
- 18) **Choice B is correct.** **(3.MD.A.1)**  $2 : 18 + 44 \text{ min} = 2 : 18 + 42 \text{ min} + 2 \text{ min} = 3 : 00 + 2 \text{ min} = 3 : 02 \text{ PM}$ .
- 19) **Choice C is correct.** **(3.NF.A.3b)** Circle 1 shows  $\frac{1}{2}$  (half shaded) and Circle 3 shows  $\frac{2}{4}$  (half shaded). These are equivalent because  $\frac{1 \times 2}{2 \times 2} = \frac{2}{4}$ .
- 20) **The correct answer is 10.** **(3.OA.D.8)** First divide:  $96 \div 8 = 12$  stickers in each group. Then subtract the stickers used:  $12 - 2 = 10$  stickers left in one group.
- 21) **Choice A is correct.** **(3.NBT.A.3)** Since  $8 \times 20 = 160$ , the missing number is 8. Check:  $8 \times 2 = 16$ , add a zero to get 160.
- 22) **Choice A is correct.** **(3.NBT.A.1)** The ones digit is 4. Since  $4 < 5$ , round down: 254 rounds to 250.
- 23) **Choice D is correct.** **(3.OA.A.3)** Divide:  $32 \div 4 = 8$  cookies per friend.
- 24) **Choice B is correct.** **(3.NF.A.2)** Counting from left, the mark is at the 2nd tick out of 6 equal parts, so it is  $\frac{2}{6}$ .
- 25) **Choice D is correct.** **(3.OA.B.6)** To solve  $72 \div 8 = \square$ , find  $\square \times 8 = 72$ . The multiplication fact  $8 \times 9 = 72$  tells us the answer is 9 items per group.
- 26) **Choice B is correct.** **(3.MD.C.5a)** A unit square is defined as a square with side length exactly 1 unit, so all four sides are equal (1 unit each) and all four corners are right angles.
- 27) **Choice D is correct.** **(3.OA.A.4)** Divide:  $40 \div 5 = 8$  apples per group.
- 28) **Choice B is correct.** **(3.NF.A.3)** Lily gave 2 out of 8 stickers, which is  $\frac{1}{4}$ .
- 29) **Choice D is correct.** **(3.OA.A.1)**  $9 \times 2$  means 9 groups of 2, so  $2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 = 18$ .
- 30) **Choice B is correct.** **(3.MD.B.3)** Class A:  $5 \times 10 = 50$ . Class B:  $3 \times 10 = 30$ . Difference:  $50 - 30 = 20$ .



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## Hi, Math Champion!

◇ You trained hard! 8 full practice tests is real practice. Your math game is way better now than when you started. ◇

★ **Coach's truth:** kids who practice get better. You practiced. You got better. That's how it works!

★

### Your Game Stats

- **Energy:** HIGH! You can finish a long test.
- **Smart Plays:** You know lots of strategies.
- **Calm Head:** You stay cool with hard problems.
- **Game-Day Ready:** You feel strong and prepared.

**Coach's tip:** the night before the test, get good sleep. Eat a good breakfast. Bring a sharp pencil. Trust your training!

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 Coach

# 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:



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Aligned  
Questions



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Question  
Types



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Math  
Applications



Step-by-Step  
Progress  
Tracking



Build Skills  
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Confidence

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