

# 4

# Nevada

## Smarter Balanced

# GRADE 4 MATH PRACTICE TESTS


 5 FULL-LENGTH PRACTICE TESTS

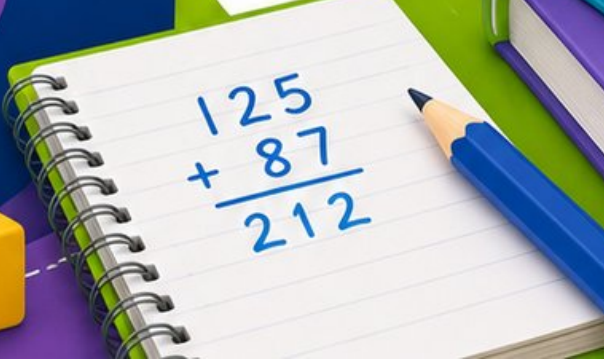
 STANDARDS-ALIGNED REVIEW

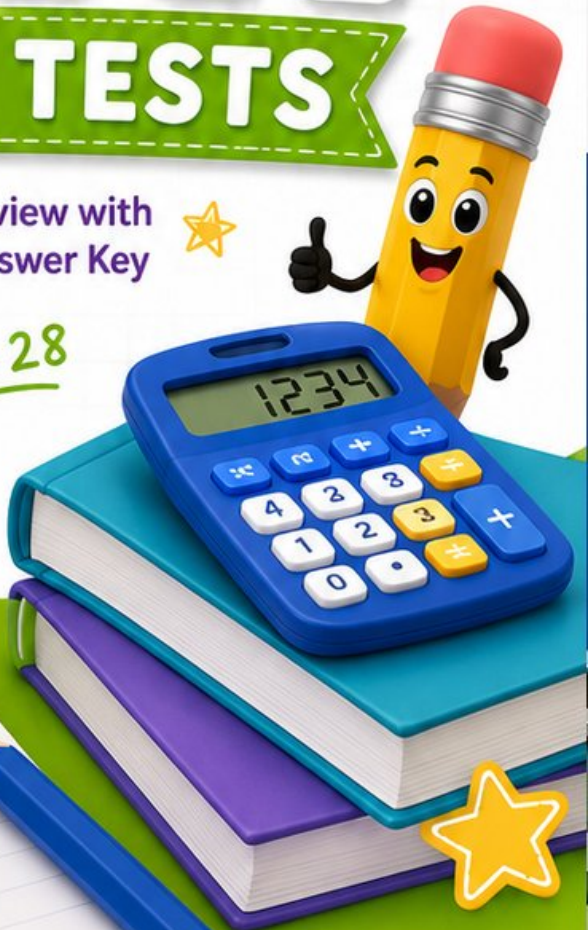
 MIXED PRACTICE QUESTIONS

 ANSWER KEY INCLUDED

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

  $4 \times 7 = 28$   
 $36 \div 9 = 4$

  
$$\begin{array}{r} 125 \\ + 87 \\ \hline 212 \end{array}$$



# 4 Nevada Smarter Balanced Grade 4 Math Practice Tests

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



Four focused 30-question missions for Grade 4 math: number facts, fractions, measurement, data, area, shapes, answer keys, and clear explanations for every item.

**Jay Daie and Reza Nazari**



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# Welcome, Nevada Math Explorer!

Four steady rounds on the Silver State math route

This book gives you four full Grade 4 practice tests for Smarter Balanced. Each round uses desert roads, bright night skies, and bold checking habits to keep practice memorable while you read carefully, choose a strategy, show work, and check the answer.

## Nevada 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 Nevada 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 Silver 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?

Four tests, 120 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 2–4	Skill-building rounds with fractions, measurement, area, data, and two-step problems.
Tests 2–4	Stamina rounds for mixed review, neat work, and flexible strategies.
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.

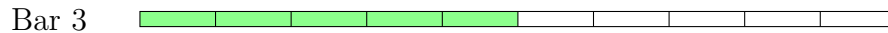
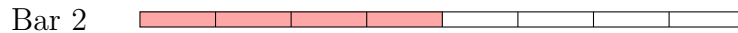
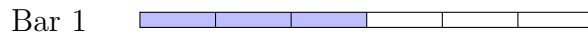


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& answers

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1) Look at the three fraction bars. Which shows the greatest fraction?



A. Bar 1:  $\frac{3}{6}$

B. Bar 2:  $\frac{4}{8}$

C. Bar 3:  $\frac{5}{10}$

D. All are equal

2) Write  $\frac{9}{12}$  as a sum of three equal fractions. What is each fraction?

3) Which of the following is NOT a type of angle based on size?

A. Acute

B. Right

C. Obtuse

D. Vertex

4) In the word form “seventy-eight thousand, four hundred twelve”, which place does the digit 8 occupy?

A. Tens place

B. Ten-thousands place

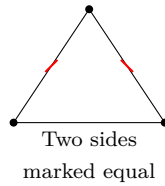
C. Hundreds place

D. Thousands place



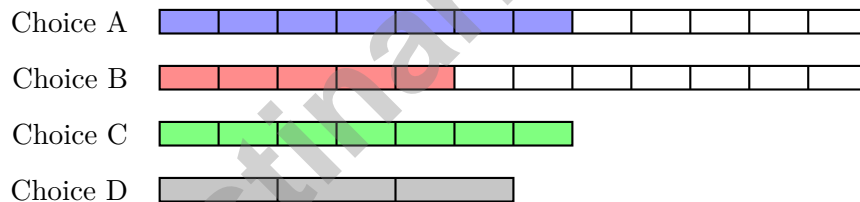
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- 5) A triangle has two sides that are equal in length and one side that is different. What is it called?



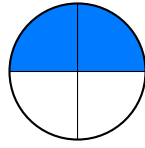
- A. Scalene triangle                       C. Equilateral triangle  
 B. Isosceles triangle                     D. Obtuse triangle
- 6) Which is the correct ordering from greatest to least?
- A. 0.74, 0.47, 0.44, 0.77                       C. 0.44, 0.47, 0.74, 0.77  
 B. 0.77, 0.74, 0.47, 0.44                     D. 0.47, 0.44, 0.77, 0.74

- 7) Which fraction bar correctly shows  $\frac{7}{12}$ ?

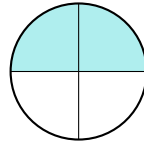


- A. 7 shaded out of 12                       C. 7 shaded out of 7  
 B. 5 shaded out of 12                       D. 3 shaded out of 3
- 8) A school has 4 classrooms. Each classroom has 28 students. The principal needs to divide all students into groups of 7 for a field trip. How many groups will there be?
- A. 7     C. 4  
 B. 32     D. 16

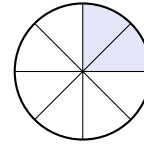
9) Sam shaded  $\frac{1}{2}$  of a circle. Which other circle shows an equivalent fraction?



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



B:  $\frac{2}{4}$



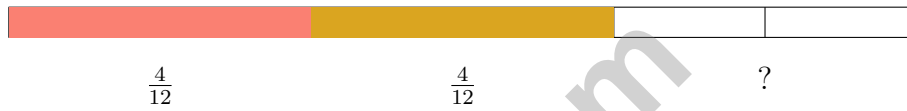
C:  $\frac{2}{8}$

A. Circle A

C. Circle C

B. Circles B and C

D. Circle B



10)

A trail is divided into three equal sections. First hikers cover  $\frac{4}{12}$  (red) and next hikers cover  $\frac{4}{12}$  (gold). How much trail is left?

A.  $\frac{8}{12}$

C.  $\frac{12}{12}$

B.  $\frac{4}{12}$

D.  $\frac{2}{12}$

11) Which fraction with denominator 100 is equivalent to  $\frac{3}{10}$ ?

A.  $\frac{3}{100}$

C.  $\frac{30}{100}$

B.  $\frac{13}{100}$

D.  $\frac{33}{100}$

12) What is the main characteristic of a line in geometry?

A. It has exactly two endpoints

C. It is always horizontal

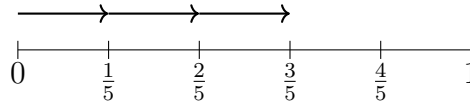
B. It continues forever in both directions

D. It is shorter than a line segment



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1) Use the number line to find  $3 \times \frac{1}{5}$ .



A.  $\frac{3}{5}$

B.  $\frac{1}{15}$

C.  $\frac{1}{5}$

D.  $\frac{3}{5}$

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2) Which shows the four correct partial products for  $24 \times 19$ ?

$20 \times 10 = 200$	$4 \times 10 = 40$
$20 \times 9 = 180$	$4 \times 9 = 36$

A.

$20 \times 19 = 380$	$4 \times 19 = 76$
20	4

B.

$20 \times 10 = 200$	$4 \times 19 = 76$
$20 \times 9 = 180$	$4 \times 10 = 40$

C.

$20 \times 10 = 200$	$4 \times 10 = 40$
$20 \times 9 = 180$	$4 \times 8 = 32$

D.





4) What is  $\frac{4}{10}$  as a decimal?

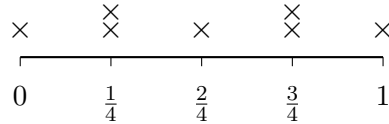
A. 0.04

C. 4.0

B. 0.4

D. 0.44

5) Here is a line plot with measurements in fourths:



What is the range (difference between highest and lowest values) on this line plot?

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

C.  $\frac{3}{4}$

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

D. 1

6) Round 6,005 to the nearest ten.

A. 6,010

C. 6,100

B. 6,000

D. 6,005

7) Diego buys 5 packs of pens. Each pack has 6 pens. He also has 4 old pens. How many pens does he have altogether?

A. 30

C. 34

B. 24

D. 15

8) A party favor bag holds  $\frac{1}{6}$  pound of candy. If you prepare 8 bags, how much candy is used in total?

A.  $\frac{1}{48}$  pound

C.  $\frac{8}{48}$  pound

B.  $\frac{8}{6}$  pounds (or  $1\frac{1}{3}$  pounds)

D.  $\frac{6}{8}$  pound



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## Practice Test Answer Keys

**How to use this section with a Grade 4 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 D is correct.** (4.NF.A.1) All three fractions reduce to  $\frac{1}{2}$ : Bar 1 has  $\frac{3}{6} = \frac{1}{2}$ , Bar 2 has  $\frac{4}{8} = \frac{1}{2}$ , Bar 3 has  $\frac{5}{10} = \frac{1}{2}$ . Equal size, equal shading!
- The correct answer is  $\frac{3}{12}$ .** (4.NF.B.3) Divide  $\frac{9}{12}$  into three equal parts: each piece is  $\frac{3}{12}$ . Check:  $3 + 3 + 3 = 9$  ✓.
- Choice D is correct.** (4.MD.C.5) Vertex is a part of an angle (where two rays meet), not a type of angle. The types are acute, right, obtuse, and straight.
- Choice D is correct.** (4.NBT.A.2) “Seventy-eight thousand” = 78,000, so the full number is 78,412. The digit 8 is in the thousands place ✓
- Choice B is correct.** (4.G.A.2) An isosceles triangle has exactly two sides of equal length. The tick marks on two sides indicate those two sides are equal, making this an isosceles triangle. The answer is **B**.
- Choice B is correct.** (4.NF.C.5) Compare tenths:  $7 > 4$ . Among the two with tenths = 7, compare hundredths:  $7 > 4$ , so  $0.77 > 0.74$ . Among the two with tenths = 4, compare hundredths:  $7 > 4$ , so  $0.47 > 0.44$ .
- Choice A is correct.** (4.NF.B.3) The fraction bar shows 12 equal parts with 7 shaded, which is  $\frac{7}{12}$ . This is  $\frac{1}{12} + \frac{1}{12} + \dots + \frac{1}{12}$ .  
7 unit fractions
- Choice D is correct.** (4.OA.A.3) Two steps! Step 1: find the total students.  $4 \times 28 = 112$  students. Step 2: equal groups of 7 means divide:  $112 \div 7 = 16$  groups.
- Choice D is correct.** (4.NF.A.1) The shaded parts show the same area.  $\frac{1}{2}$  and  $\frac{2}{4}$  are equivalent because we split each half in half, creating twice as many pieces. Circle C shows only  $\frac{1}{4}$ , which is much less.
- Choice B is correct.** (4.NF.B.3) A hiking trail is shown with sections covered. Step 1: Add the distances the hikers covered:  $\frac{4}{12} + \frac{4}{12} = \frac{8}{12}$ . Step 2: Find what’s left:  $\frac{12}{12} - \frac{8}{12} = \frac{4}{12}$ .
- Choice C is correct.** (4.NF.C.5) To write  $\frac{3}{10}$  as hundredths, multiply the numerator and denominator by 10:  $\frac{3}{10} = \frac{3 \times 10}{10 \times 10} = \frac{30}{100}$ .
- Choice B is correct.** (4.G.A.1) A line has no beginning and no end — it just keeps going and going in both directions forever, like infinity.
- The correct answer is 80 ft.** (4.MD.A.3) Rope around the pool =  $2(25) + 2(15) = 50 + 30 = 80$  ft.
- Choice A is correct.** (4.NBT.B.5) Split 22:  $19 \times (20 + 2) = 380 + 38 = 418$ .
- Choice C is correct.** (4.NF.B.3) Check each: A equals  $\frac{4}{5}$  (less), B equals  $\frac{4}{3}$  (more), C equals **1**, D equals  $\frac{5}{4}$  (more). Only C =  $\frac{5}{6} + \frac{1}{6} = 1$ .
- The correct answer is A, C.** (4.NF.B.4) A checkmark: three bars, each  $\frac{1}{5}$ , total  $\frac{3}{5}$ . C checkmark: three fifths reached by hops. B uses fourths (wrong). D and E show only one fifth (not three).
- Choice A is correct.** (4.MD.C.7) One angle is  $28^\circ$  larger. If the smaller one is  $31^\circ$ , then:  $31^\circ + 28^\circ = 59^\circ$ .
- Choice C is correct.** (4.NF.B.4) One whole ( $\frac{4}{4}$ ) equals 4 copies of  $\frac{1}{4}$ . So there are **4** fourths in one whole.
- Choice B is correct.** (4.MD.C.5) The angle turns through 45 one-degree angles, measuring  $45^\circ$ .
- Choice D is correct.** (4.OA.B.4) Check the rule:  $1 \times 5 = 5$ ,  $2 \times 5 = 10$ ,  $3 \times 5 = 15$ ,  $4 \times 5 = 20$ . The rule is “multiply by 5”. ✓
- Choice D is correct.** (4.OA.A.1) Step 1: Bar 2 is 5 times Bar 1, so Bar 2 =  $5 \times 2 = 10$ . Step 2: add both bars:  $2 + 10 = 12$ .
- Choice A is correct.** (4.NBT.B.4) Subtracting from 10,000 requires careful regrouping across all the zeros. The answer is **4,322**.
- Choice B is correct.** (4.NF.B.4) On the number line, each jump moves forward by  $\frac{1}{2}$ . Four jumps starting from 0 land us at 2, showing  $4 \times \frac{1}{2} = 2$ .
- Choice D is correct.** (4.NF.B.3) Add the wholes:  $1 + 2 = 3$ . Add the fractions:  $\frac{5}{6} + \frac{1}{6} = \frac{6}{6} = 1$ . Combine:  $3 + 1 = 4$ .



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**A Note From Your Math Friend**

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**Hi, Math Star!**

◇ Wow! You finished 4 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 4 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

# PRACTICE TODAY, SUCCEED TOMORROW!

This **Grade 4 Math Practice Tests** book is the perfect tool to help students build strong math skills, master key concepts, and gain the confidence they need to excel.

With 4 full-length practice tests, a variety of question types, and detailed answer explanations, students get the review and practice they need to strengthen problem-solving skills and achieve their best.

Perfect for classroom use, homework, test preparation, and extra practice at home.

## PERFECT FOR:

- ✓ Classroom Practice
- ✓ Homework & Review
- ✓ Independent Learning
- ✓ Test Preparation
- ✓ Skill Reinforcement
- ✓ Confidence Building

★ **CONFIDENCE TODAY.  
SUCCESS TOMORROW!**

## WHAT STUDENTS WILL GAIN



### Stronger Math Skills

Build a solid foundation through targeted practice and review.



### Better Problem Solving

Develop logical thinking and effective solution strategies.



### Test Confidence

Become familiar with test-style questions and formats.



### Track Progress

Measure growth across multiple practice tests.



### Prepare for Success

Build the confidence needed to do your best on test day.

## TOPICS COVERED

- ✓ Place Value & Number Sense
- ✓ Addition & Subtraction
- ✓ Multiplication & Division
- ✓ Fractions & Decimals
- ✓ Geometry & Measurement
- ✓ Data, Graphs & Line Plots
- ✓ Perimeter & Area
- ✓ Patterns & Algebraic Thinking
- ✓ Word Problems
- ✓ And More!



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MIXED PRACTICE  
QUESTIONS