

# 6 Nevada

## Smarter Balanced

# GRADE 4

## MATH PRACTICE TESTS

Standards-Aligned Review with  
Mixed Practice and Answer Key



**MASTER KEY MATH CONCEPTS**  
**BUILD CONFIDENCE FOR TEST DAY**

**INCLUDES COMPREHENSIVE ANSWER KEY**  
**ALIGNED STATE STANDARDS**

# 6 Nevada Smarter Balanced Grade 4 Math Practice Tests

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



Six complete 30-question Grade 4 practice rounds for Smarter Balanced, built around desert roads, bright night skies, and bold checking habits, with answer keys and clear explanations for every item.

**Jay Daie and Reza Nazari**



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# Welcome, Nevada Math Explorer!

Six steady rounds on the Silver State math route

This book gives you six 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?

Six tests, 180 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 4–6	Stamina rounds for mixed review, neat work, and flexible strategies.
Answer Pages	Compact keys and explanations that show why each answer works.

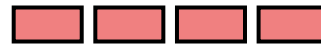
The tests are mixed on purpose. Real test readiness means recognizing the skill even when the next question changes topic.



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4 pieces, each  $\frac{1}{2}$  pound

1)

Each piece above weighs  $\frac{1}{2}$  pound. What is the total weight of all 4 pieces?

2) Find  $4,368 \div 8$ .

3) Which number sentence correctly shows decomposing a fraction into unit fractions?

A.  $\frac{6}{8} = \frac{1}{8} + \frac{5}{8}$

C.  $\frac{6}{8} = \frac{2}{8} + \frac{2}{8} + \frac{2}{8}$

B.  $\frac{6}{8} = \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8}$

D.  $\frac{6}{8} = \frac{6}{16}$

4) Which two fractions are both equivalent to  $\frac{1}{5}$ ?

A.  $\frac{2}{10}$  and  $\frac{20}{100}$

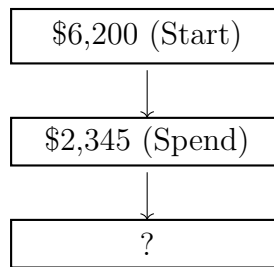
C.  $\frac{2}{10}$  and  $\frac{30}{100}$

B.  $\frac{3}{10}$  and  $\frac{30}{100}$

D.  $\frac{1}{10}$  and  $\frac{10}{100}$



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5)

Marcus has \$6,200. He spends \$2,345. How much money does he have left?

- A. \$3,855                       C. \$4,055  
 B. \$3,945                       D. \$3,955

6) The value of the digit 9 in the thousands place is how many times the value of the digit 9 in the hundreds place?

- A. 1,000                       C. 9 times  
 B. 100                       D. 10

7) A table shows multiples of  $\frac{1}{3}$ . What is the missing number?

Multiplier	1	2	3	4	5
Multiple of $\frac{1}{3}$	$\frac{1}{3}$	$\frac{2}{3}$	?	$\frac{4}{3}$	$\frac{5}{3}$

- A.  $\frac{1}{3}$                        C.  $\frac{3}{3}$   
 B.  $\frac{3}{6}$                        D.  $\frac{2}{6}$

8) Which fraction is NOT equal to  $\frac{10}{100}$ ?

- A.  $\frac{1}{10}$                        C.  $\frac{20}{200}$   
 B.  $\frac{10}{10}$                        D.  $\frac{5}{50}$





- 1) Ming collected rock weights in fourths of an ounce:  $\frac{1}{4}$ ,  $\frac{1}{4}$ ,  $\frac{2}{4}$ ,  $\frac{1}{4}$ ,  $\frac{3}{4}$ . If plotted, which weight would have the tallest stack of X marks?
- A.  $\frac{1}{4}$  oz                       C.  $\frac{3}{4}$  oz  
 B.  $\frac{2}{4}$  oz                       D.  $\frac{4}{4}$  oz
- 2) Chen has 4 boxes of pencils. Each box has the same number of pencils. If Chen has 32 pencils total, how many pencils are in each box?
- A. 6                               C. 10  
 B. 12                              D. 8
- 3) Which expression shows the quotient and remainder for  $567 \div 8$ ?
- A. 70 r7                       C. 71 r1  
 B. 70 r5                       D. 71 r4
- 4) What is  $21 \times 41$ ?
- A. 782                          C. 841  
 B. 920                          D. 861
- 5)  $\frac{4}{5}$  is equivalent to  $\frac{?}{20}$ . What is the missing numerator?
- A. 12                              C. 18  
 B. 24                              D. 16

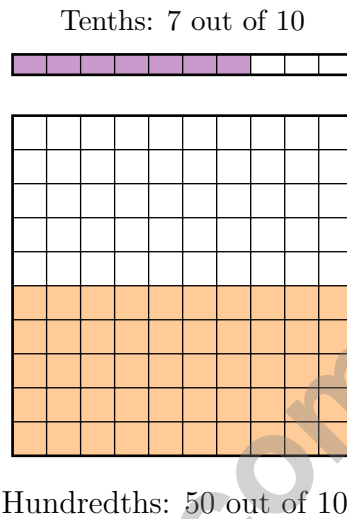


- 6) What is  $\frac{2}{3}$  as a sum of unit fractions?
- A.  $\frac{1}{2} + \frac{1}{2}$                        C.  $\frac{2}{3} + \frac{1}{3}$   
 B.  $\frac{1}{3} + \frac{1}{3}$                        D.  $\frac{3}{3}$
- 7) Look at the pattern: 5, 10, 20, 40, ... Which rule describes it?
- A. Add 5                               C. Add 10  
 B. Multiply by 3                       D. Multiply by 2
- 8) A class project uses  $\frac{7}{8}$  of a sheet of poster board. A second project uses  $\frac{3}{8}$  of a sheet. How much poster board is used for both projects?
- A.  $\frac{10}{8}$                                    C.  $\frac{4}{16}$   
 B.  $\frac{4}{8}$                                    D.  $\frac{10}{16}$
- 9) A garden has 20 tomato plants and 15 pepper plants. Then 5 plants die. The remaining plants are each expected to grow 12 fruits. How many total fruits are expected?
- A. 300                                   C. 480  
 B. 420                                   D. 360
- 10) A water bottle holds  $\frac{3}{5}$  liter. How many liters do 2 water bottles hold together?
- A.  $\frac{3}{10}$  liter                               C.  $\frac{5}{6}$  liter  
 B.  $\frac{6}{5}$  liters                               D. 1 liter
- 11) Which shape can be described as having four equal sides, two pairs of parallel sides, and four right angles?
- A. Trapezoid                               C. Square  
 B. Rhombus                               D. Rectangle



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- 1) Compare using a tenths-hundredths model. Which is true?



- A.  $\frac{7}{10} > \frac{50}{100}$ 
 C.  $\frac{7}{10} = \frac{50}{100}$   
 B.  $\frac{7}{10} < \frac{50}{100}$ 
 D. Cannot be compared

- 2) A rope is 9 yards long. How many feet does the rope measure?

- 3) Diego simplified  $\frac{4}{8}$  and wrote  $\frac{2}{4}$ . His teacher said he is correct because the fractions are equivalent. Is the teacher right?

- A. Yes, the teacher is right;  $\frac{2}{4}$  is in simplest form
  C. Yes, and both simplify further to  $\frac{1}{2}$   
 B. No, the teacher is wrong;  $\frac{4}{8} \neq \frac{2}{4}$ 
 D. No, Diego should have written  $\frac{1}{4}$



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4) Look at the bar models. What is the relationship?

Bar A: 3 units



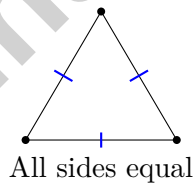
Bar B: 12 units

- A. Bar A is 2 times Bar B       C. Bar A and Bar B are the same  
 B. Bar B is 3 times Bar A       D. Bar B is 4 times Bar A

5) What symbol makes this true?  $0.38$  \_\_\_\_\_  $0.37$

- A.  $>$        C.  $=$   
 B.  $<$        D. Cannot compare

6) Look at this triangle with all three sides marked as equal with tick marks. What type of triangle is it?



- A. Scalene triangle       C. Equilateral triangle  
 B. Isosceles triangle       D. Right triangle



## 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

- The correct answer is 2.** (4.NF.B.4) All 4 pieces, each weighing  $\frac{1}{2}$  pound, weigh  $4 \times \frac{1}{2} = \frac{4}{2} = 2$  pounds total.
- The correct answer is 546.** (4.NBT.B.6) Long division:  $4 \div 8 = 0$  r4, bring down the 3 to get  $43 \div 8 = 5$  r3, bring down the 6 to get  $36 \div 8 = 4$  r4, bring down the 8 to get  $48 \div 8 = 6$ . The quotient is **546**. *Quick check:*  $546 \times 8 = 4,368$ . ✓
- Choice B is correct.** (4.NF.B.3) To decompose means to break apart. Breaking  $\frac{6}{8}$  into unit fractions means showing it as a sum of  $\frac{1}{8}$ 's:  $\frac{6}{8} = \underbrace{\frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8}}_{6 \text{ copies}}$ .
- Choice A is correct.** (4.NF.A.1) Multiply both numerator and denominator by 2 to get tenths:  $\frac{1}{5} = \frac{1 \times 2}{5 \times 2} = \frac{2}{10}$ . Then multiply by 20 to get hundredths:  $\frac{1}{5} = \frac{1 \times 20}{5 \times 20} = \frac{20}{100}$ .
- Choice A is correct.** (4.NBT.B.4) Marcus spends money from his total, so we subtract.  $6,200 - 2,345 = \mathbf{3,855}$  dollars.
- Choice D is correct.** (4.NBT.A.1) A digit in the thousands place is worth digit  $\times 1,000$ ; in the hundreds place, it's worth digit  $\times 100$ . The ratio is  $1,000 \div 100 = \mathbf{10}$ . ✓
- Choice C is correct.** (4.NF.B.4) The table shows multiples of  $\frac{1}{3}$ . The 3rd multiple is  $3 \times \frac{1}{3} = \frac{3}{3}$ .
- Choice B is correct.** (4.NF.C.5) The fraction  $\frac{10}{10}$  equals 1 (a whole), but  $\frac{10}{100} = \frac{1}{10} = 0.1$ . These are very different!
- Choice D is correct.** (4.OA.B.4) Find every pair that multiplies to 20:  $1 \times 20$ ,  $2 \times 10$ ,  $4 \times 5$ . That's **3** factor pairs. *Tip:* go in order (1, 2, 3, ...) and stop when the pair starts to repeat.
- Choice D is correct.** (4.OA.B.4) Dots form odd-number rows: Figure 1 = 1, Figure 2 =  $1 + 3 = 4$ , Figure 3 =  $1 + 3 + 5 = 9$ . Figure 4 =  $9 + 7 = \mathbf{16}$  dots.
- Choice C is correct.** (4.NF.B.3) Add the wholes:  $4 + 1 = 5$ . Add the fractions:  $\frac{1}{4} + \frac{2}{4} = \frac{3}{4}$ . The sum is  $\mathbf{5\frac{3}{4}}$ .
- Choice B is correct.** (4.MD.A.1) Since 1 liter = 1,000 milliliters, multiply:  $3 \times 1,000 = 3,000$  mL. The answer is **3,000** mL.
- Choice B is correct.** (4.NF.A.1) Find a common denominator:  $\frac{1}{3} = \frac{20}{60}$ ,  $\frac{2}{5} = \frac{24}{60}$ ,  $\frac{1}{4} = \frac{15}{60}$ . Since  $24 > 20 > 15$ , Blake ate most.
- Choice B is correct.** (4.NF.C.5) When you see 0.23, you're looking at twenty-three hundredths:  $0.23 = \frac{23}{100}$ .
- The correct answer is A, C.** (4.MD.C.5) Statement A is correct: **72** one-degree angles measure  $\mathbf{72^\circ}$ . Statement C is correct: a full circle measures  $\mathbf{360^\circ}$  with **360** one-degree angles. Statement B is wrong (straight angle is  $180^\circ$ ). Statement D is wrong (30 one-degree angles is  $30^\circ$ , not  $60^\circ$ ). Statement E is wrong (right angle is  $90^\circ$ , not  $45^\circ$ ).
- Choice D is correct.** (4.OA.A.1) Two steps! First find the blue ribbons:  $5 \times 4 = 20$ . Then add the red ribbons to get the total:  $5 + 20 = 25$  ribbons in all.
- Choice A is correct.** (4.NF.B.3) A gift was wrapped with ribbon in two parts. Add the ribbon used:  $2\frac{3}{8} + 1\frac{1}{8} = 3\frac{4}{8}$  meters total.
- Choice A is correct.** (4.G.A.1) Remember: vertex in the middle! Since  $E$  is where the rays meet, we write the angle as  $FED$  with  $E$  in the middle position.
- Choice C is correct.** (4.OA.A.3) Two steps! Step 1: equal groups means divide:  $36 \div 3 = 12$  coins in the group Noah keeps. Step 2: subtract what he spends:  $12 - 5 = 7$  coins left.
- Choice D is correct.** (4.NBT.A.3) For 6,500: hundreds digit is  $5 \geq 5$ , round UP to 7,000 ✓. For 7,450: hundreds digit is  $4 < 5$ , round DOWN to 7,000 ✓. Both reach 7,000!
- Choice A is correct.** (4.G.A.3) An isosceles trapezoid has two equal slanted sides and a vertical line of symmetry down the middle. This vertical balance means those two slanted sides must be the same length. The answer is Both legs are equal length.
- Choice A is correct.** (4.NF.B.3) When subtracting with like denominators, just subtract the numerators:  $8 - 5 = 3$ . Answer:  $\frac{3}{10}$ .
- Choice B is correct.** (4.MD.C.5) An angle is formed by two rays that share a common endpoint, called the vertex.
- The correct answer is 0.** (4.MD.C.6) The first step in measuring an angle is to align one ray (the baseline ray) with the  $0^\circ$  mark on the protractor. This is your starting point for reading the second ray. The answer is **0** degrees.



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## Hi, Math Athlete!

◇ 6 practice tests done! That's serious training. Your math muscles are strong. You are in great shape for the big test. ◇

★ **Trainers know:** muscle memory is real. The more you practice, the more your brain knows what to do without thinking. You built that muscle memory! ★

### Athlete Performance

- **Endurance:** TOP! You can finish a long test.
- **Strength:** STRONG! You handle hard problems.
- **Speed:** JUST RIGHT! You don't rush.
- **Recovery:** GOOD! You bounce back from tough questions.

**Trainer tip:** on test day, drink water, breathe deeply, and warm up with the easier questions first. Your training will carry you the rest of the way!

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 Trainer

# PRACTICE TODAY, SUCCEED TOMORROW!

This **Grade 4 Math Practice Tests** book is the perfect tool to help students strengthen their math skills, master important concepts, and build confidence for test success.

With 6 full-length practice tests, a variety of question types, and detailed answer explanations, students get the review and practice they need to improve accuracy, develop critical thinking, and achieve their best.

Ideal 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 IN MATH.  
SUCCESS FOR LIFE.**

## 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.



### Master Key Concepts

Reinforce important skills aligned with grade-level standards.



### 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 & Equivalent Fractions
- ✓ Decimals
- ✓ Geometry & Measurement
- ✓ Perimeter & Area
- ✓ Data, Graphs & Line Plots
- ✓ Patterns & Algebraic Thinking
- ✓ And More!



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