

9

$$256 \div 8 = 32$$



$$48 \times 7 = 336$$

Nevada

Smarter Balanced

GRADE 4

MATH

PRACTICE TESTS

Standards-Aligned Review with
Mixed Practice and Answer Key



**9 FULL-LENGTH
PRACTICE TESTS**



**STANDARDS-ALIGNED
REVIEW**



**MIXED PRACTICE
BUILD SKILLS & CONFIDENCE**



**ANSWER KEY
FOR ALL TESTS**



$$\frac{3}{4} + \frac{1}{4} = 1$$



$$725 - 358 = 367$$

PREPARE
PRACTICE
SUCCEED
PERFORM

**PRACTICE TODAY.
SUCCEED TOMORROW.**

9 Nevada Smarter Balanced Grade 4 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Nine 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!

Nine steady rounds on the Silver State math route

This book gives you nine 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?

Nine tests, 270 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.
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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Table of Contents

★ Practice Test 1	_____	15
★ Practice Test 2	_____	26
★ Practice Test 3	_____	37
★ Practice Test 4	_____	48
★ Practice Test 5	_____	60
★ Practice Test 6	_____	72
★ Practice Test 7	_____	84
★ Practice Test 8	_____	94
★ Practice Test 9	_____	105
Practice Test Answer Keys	_____	115
Practice Test Answers and Explanations	_____	121

1) $\frac{8}{12} = \frac{5}{12} + \underline{\hspace{1cm}}$. The missing fraction is:

A. $\frac{1}{12}$

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

C. $\frac{3}{12}$

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

2) Round 34,750 to the nearest thousand.

3) A bookstore has 3,041 books on the shelves. How many complete hundreds of books are on the shelves?

A. 3

B. 300

C. 4

D. 30

4) Estimate the quotient of $4,156 \div 4$ using compatible numbers.

A. About 1,000

B. About 800

C. About 1,100

D. About 1,200

Mira: 6 books



Raj: 2 times

5)

Mira has 6 books. Raj has 2 times as many books as Mira. How many books does Raj have?

A. 8

B. 10

C. 14

D. 12



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6) A pie is cut into slices. One slice represents an angle of 40° and another slice represents an angle of 60° . If these two slices are placed together, what angle do they form?

A. 20°

C. 100°

B. 60°

D. 200°

7) A pattern starts at 2 and follows the rule add 5. What is the fifth term?

8) What is the mistake in this subtraction?

$$\begin{array}{r} 5,003 \\ -1,245 \\ \hline 4,758 \end{array}$$

A. The student did not regroup correctly.

C. The answer is correct; there is no mistake.

B. The student added instead of subtracted.

D. The student forgot to carry.

9) A rectangular poster is 16 inches long and 10 inches wide. What is the area of the poster?

A. 26 sq in

C. 160 sq in

B. 52 sq in

D. 180 sq in



10) Which list shows only multiples of $\frac{1}{4}$?

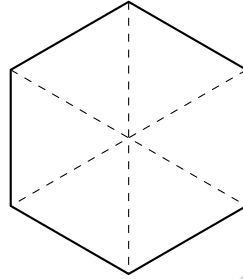
A. $\frac{1}{2}, \frac{3}{5}, \frac{1}{4}$

B. $\frac{2}{4}, \frac{1}{4}, \frac{3}{4}$

C. $\frac{1}{4}, \frac{2}{8}, \frac{1}{12}$

D. $\frac{1}{5}, \frac{2}{5}, \frac{3}{5}$

11) How many lines of symmetry does this regular hexagon have?



A. 3

B. 4

C. 5

D. 6

12) What is $7 \times \frac{1}{5}$ as a mixed number?

A. $\frac{1}{35}$

B. $\frac{7}{1}$

C. $2\frac{2}{5}$

D. $\frac{7}{5}$ or $1\frac{2}{5}$

13) Compare: $\frac{3}{8}$ and $\frac{3}{10}$.

A. $\frac{3}{8} < \frac{3}{10}$

 B. Cannot compare

C. $\frac{3}{8} = \frac{3}{10}$

D. $\frac{3}{8} > \frac{3}{10}$

14) *Select the TWO correct answers.*

A recipe calls for sugar and butter. Sugar needed: $\frac{3}{4}$ cup. Butter needed: $\frac{2}{4}$ cup.

Which statements are true?

 A. The total amount of sugar and butter is $\frac{5}{4}$ cups.

 B. The total amount of sugar and butter is $\frac{5}{8}$ cups.

 C. The sugar exceeds the butter by $\frac{1}{4}$ cup.

 D. The sugar exceeds the butter by $\frac{1}{8}$ cup.

 E. The butter is half the amount of sugar.


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1) Which equation does NOT show a multiplicative comparison?

A. $18 = 3 \times 6$

C. $20 = 4 \times 5$

B. $18 = 12 + 6$

D. $35 = 5 \times 7$

2) Expand 2,814 using the place-value model:

Thousands	Hundreds	Tens	Ones
2	8	1	4

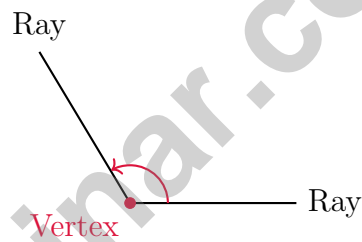
A. $2,000 + 8,000 + 14$

C. $2 + 8 + 1 + 4$

B. $2,000 + 80 + 14$

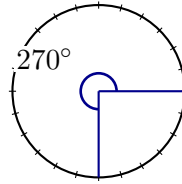
D. $2,000 + 800 + 10 + 4$

3) Look at this angle:



What type of angle is shown?

 A. An acute angle C. An obtuse angle B. A right angle D. A straight angle



4)

This is a reflex angle measuring 270 degrees. How many one-degree angles make it?

- A. 135 one-degree angles C. 540 one-degree angles
 B. 270 one-degree angles D. 27 one-degree angles
- 5) A baker divides 540 cookies equally among 6 friends. How many cookies does each friend receive?
- A. 80 C. 90
 B. 95 D. 85
- 6) What is $4\frac{1}{6} + 1\frac{4}{6}$?
- A. $5\frac{1}{6}$ C. $5\frac{5}{6}$
 B. $5\frac{4}{6}$ D. $6\frac{1}{6}$
- 7) Mia measured fish lengths in halves of an inch: $\frac{1}{2}$, $\frac{1}{2}$, $\frac{1}{2}$, 1, $\frac{3}{2}$, 1. When plotted, which length has the most X marks?
- A. $\frac{1}{2}$ in C. $\frac{3}{2}$ in
 B. 1 in D. 2 in
- 8) A quadrilateral has four equal sides and four right angles. How many sides does it have?



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1) Which number rounds to 5,000 when rounded to the nearest thousand?

- A. 4,499 C. 5,550
 B. 4,449 D. 5,450

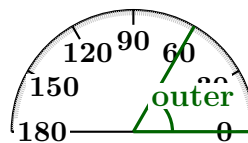
2) Carlos divides 3,456 pages equally among 4 friends for a reading project. How many pages does each friend read?

3) Estimate first, then find the exact answer: $48,765 + 31,234 = ?$

- A. 79,999 C. 79,899
 B. 80,000 D. 80,099

4) What is 3×807 ?

- A. 2321 C. 2521
 B. 2121 D. 2421



5)

When using a protractor, you have two scale choices (inner and outer). If the angle is opened towards the right side of the protractor, which scale should you use?

- A. Always use the inner scale D. It does not matter which scale you use
 B. Use the outer scale
 C. Use the scale that starts at 180 on the side where the angle opens



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- 6) Zoe's basketball team scored 9 points in the first quarter. In the second quarter, they scored 2 times as many points. How many points did they score in the second quarter?
- A. 11 C. 20
 B. 16 D. 18
- 7) How many degrees are in $\frac{3}{4}$ of a turn?
- A. 180° C. 270°
 B. 225° D. 300°
- 8) A container of juice has $\frac{9}{10}$ liter. After serving some drinks, $\frac{4}{10}$ liter is left. How much juice was served?
- A. $\frac{5}{10}$ C. $\frac{4}{10}$
 B. $\frac{13}{10}$ D. $\frac{1}{10}$
- 9) What is $\frac{90}{100}$ as a decimal?
- A. 0.09 C. 9.0
 B. 0.9 D. 0.99
- 10) A student folds a piece of paper creating a crease. The angle on one side of the crease is 67° . If the total angle formed is 134° , what is the angle on the other side?
- A. 67° C. 201°
 B. 68° D. 134°



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 C is correct.** (4.NF.B.3) We have $\frac{5}{12}$ and need to reach $\frac{8}{12}$. Missing: $8 - 5 = 3$, so the answer is $\frac{3}{12}$ ✓.
- The correct answer is 35,000.** (4.NBT.A.3) We're rounding to the nearest thousand. The hundreds digit is $7 \geq 5$, so round UP from 34,000 to **35,000**. ✓
- Choice D is correct.** (4.NBT.A.1) "How many complete hundreds" is just asking how many *full groups of 100* fit in 3,041. Skip-count by 100s: 100, 200, ..., 3,000—that's 30 groups. The extra 41 books left over isn't enough for another group of 100. So the bookstore has **30** complete hundreds. ✓
- Choice A is correct.** (4.NBT.B.6) We round 4,156 to the compatible number 4,000 (a number that divides nicely by 4). Since $4,000 \div 4 = 1,000$, the quotient is about **1,000**. Why "compatible"? It makes mental math easy.
- Choice D is correct.** (4.OA.A.2) Look at the picture: Raj's group has 2 rows of 6 books—that's 2 times Mira's amount. Multiply: $2 \times 6 = 12$ books.
- Choice C is correct.** (4.MD.C.7) When pie slices are combined, their angles add up: $40^\circ + 60^\circ = 100^\circ$.
- The correct answer is 22.** (4.OA.B.4) Start at 2 and add 5 four times: 2, 7, 12, 17, **22**. The 5th term is **22**.
- Choice A is correct.** (4.NBT.B.4) The correct answer is 5,003 - 1,245 = 3,758, not 4,758. The student did not regroup correctly across the zeros.
- Choice C is correct.** (4.MD.A.3) Poster area = $16 \times 10 = 160$ sq in.
- Choice B is correct.** (4.NF.B.4) All count by fourths: $2 \times \frac{1}{4} = \frac{2}{4}$, $1 \times \frac{1}{4} = \frac{1}{4}$, and $3 \times \frac{1}{4} = \frac{3}{4}$.
- Choice D is correct.** (4.G.A.3) A regular hexagon (6 equal sides) is balanced six ways. Three lines pass through opposite corners, and three pass through the middle of opposite sides. The answer is **6** lines of symmetry.
- Choice D is correct.** (4.NF.B.4) We take 7 copies of $\frac{1}{5}$. Multiply: $7 \times \frac{1}{5} = \frac{7 \times 1}{5} = \frac{7}{5} = 1\frac{2}{5}$. The answer is **1 $\frac{2}{5}$** .
- Choice D is correct.** (4.NF.A.1) Same numerator (3) means compare denominators: eighths are bigger pieces than tenths, so $\frac{3}{8} > \frac{3}{10}$.
- The correct answer is A, C.** (4.NF.B.3) Let's check each statement. Step 1 (for A and C): Add the amounts: $\frac{3}{4} + \frac{2}{4} = \frac{5}{4}$ cups total (A is correct). Find the difference: $\frac{3}{4} - \frac{2}{4} = \frac{1}{4}$ cup more sugar (C is correct). Step 2 (why others fail): B claims $\frac{5}{8}$, but we got $\frac{5}{4}$. D claims $\frac{1}{8}$, but the difference is $\frac{1}{4}$. E compares the ratio 2:3, which is not half.
- Choice A is correct.** (4.NF.B.3) $\frac{3}{4}$ shows 3 shaded parts out of 4 equal parts. Since each part is $\frac{1}{4}$, we have $\frac{3}{4} = \frac{1}{4} + \frac{1}{4} + \frac{1}{4}$ —three unit fractions added.
- Choice D is correct.** (4.NBT.A.2) Step 1: $30,000 + 6,000 = 36,000$. Step 2: $36,000 + 500 + 20 + 8 = 36,528$ ✓
- Choice B is correct.** (4.NF.B.3) The jug was $\frac{8}{10}$ full. After pouring, $\frac{3}{10}$ remains. So: $8 - 3 = 5$ tenths poured out, or $\frac{5}{10}$ of the jug.
- Choice D is correct.** (4.OA.B.4) Factors are numbers that divide evenly with no remainder. Walk through the factor pairs: 1×12 , 2×6 , 3×4 . Listing every factor: 1, 2, 3, 4, 6, 12. *Tip:* pair them up as you go—it makes sure you don't miss any!
- Choice C is correct.** (4.MD.C.6) This angle measures about 95° , which is more than 90° but less than 180° . That's the definition of obtuse, so the answer is obtuse.
- The correct answer is 0.70.** (4.NF.C.5) A trailing zero doesn't change the value. Both 0.7 and 0.70 equal the same amount.
- Choice C is correct.** (4.NF.B.4) The fraction $\frac{7}{9}$ has numerator 7 and denominator 9. This means 7 copies of $\frac{1}{9}$. So the missing denominator is 9.
- Choice D is correct.** (4.OA.A.1) To find "how many times as many," divide the bigger amount by the smaller. Group 2 has 12, Group 1 has 3, and $12 \div 3 = 4$. So Group 2 has **4** times as many counters.
- Choice D is correct.** (4.NF.A.1) To get a denominator of 12 from 3, multiply by 4. Multiply both top and bottom by 4: $\frac{2}{3} = \frac{2 \times 4}{3 \times 4} = \frac{8}{12}$.
- Choice C is correct.** (4.NBT.B.5) Decompose 328: $4 \times (300 + 20 + 8) = 1200 + 80 + 32 = 1312$.
- Choice D is correct.** (4.OA.A.3) Two steps! Step 1: total muffins: $6 \times 24 = 144$. Step 2: pack into boxes of 9: $144 \div 9 = 16$ boxes (no remainder). *Quick check:* $16 \times 9 = 144$. ✓



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From Your Math Family

Hi, Math Family Member,

◇ Welcome to a special note from your math family. You finished 9 full practice tests, and that hard work matters more than any score. We see you. We are proud of you. ◇

★ **Our math family knows:** math is a journey. You have taken many steps already. The test is just one stop. Every skill you built is yours forever. ★

What Your Math Family Sees

- **Hard Work:** You keep showing up.
- **Real Growth:** You can do problems today you couldn't before.
- **Brave Heart:** You face hard problems with brave thinking.
- **Bright Future:** Your math journey is just beginning.

Family tip: on test day, picture us standing behind you, smiling and rooting for you. You are not alone. Your math family is with you!

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

Jay Daie

Your Math Family

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This **Grade 4 Math Practice Tests** book is designed to help students strengthen essential math skills, build confidence, and develop the problem-solving abilities needed for classroom success and test readiness.

With 9 full-length practice tests, students gain repeated exposure to important Grade 4 concepts while learning how to approach questions with accuracy, confidence, and strong mathematical thinking.

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