

4

COMPLETE

Nevada

Smarter Balanced

Grade

MATH

5

PRACTICE TESTS

Standards-Based Test Prep with
Mixed Review, Word Problems,
and **Full Answer Key**



- ✓ **4 COMPLETE PRACTICE TESTS**
Built to reflect the test format and rigor



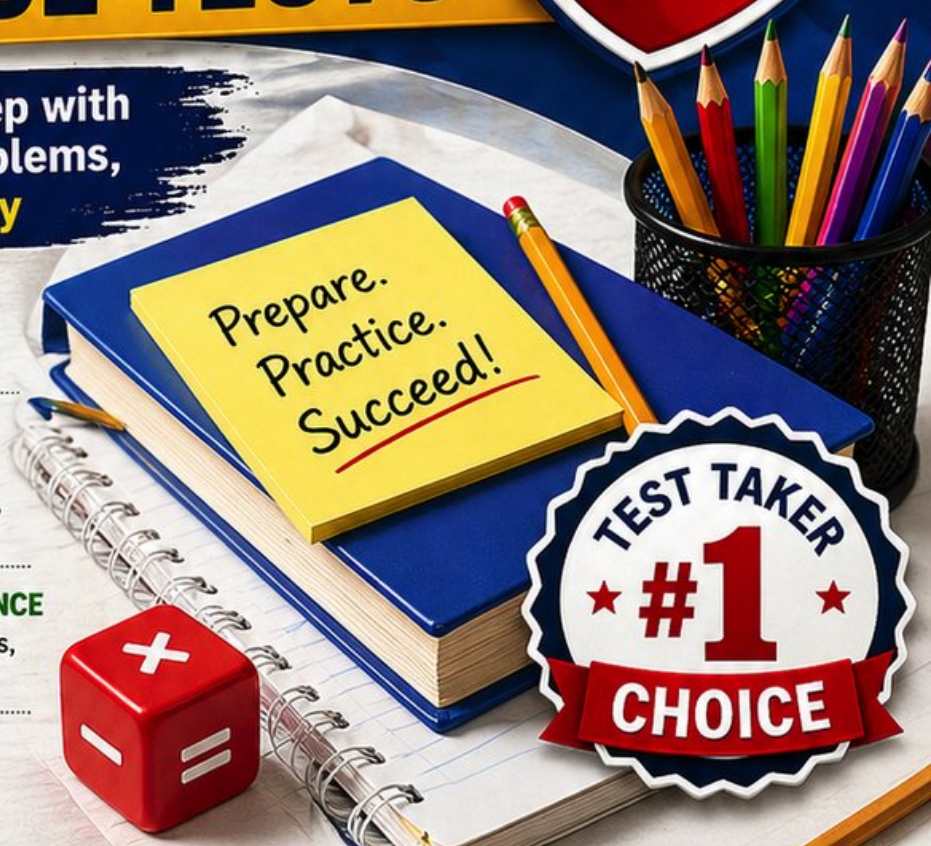
- ✓ **COVERS ALL ESSENTIAL TOPICS**
Numbers & Operations, Fractions, Decimals, Geometry, Measurement, Data & Probability, and more



- ✓ **STRENGTHEN SKILLS & CONFIDENCE**
Mixed review, challenging questions, and strategic practice



- ✓ **FULL ANSWER KEY INCLUDED**
Detailed explanations for every question



BUILD STRONG MATH SKILLS & TEST READINESS



IMPROVE ACCURACY, SPEED, AND PROBLEM SOLVING



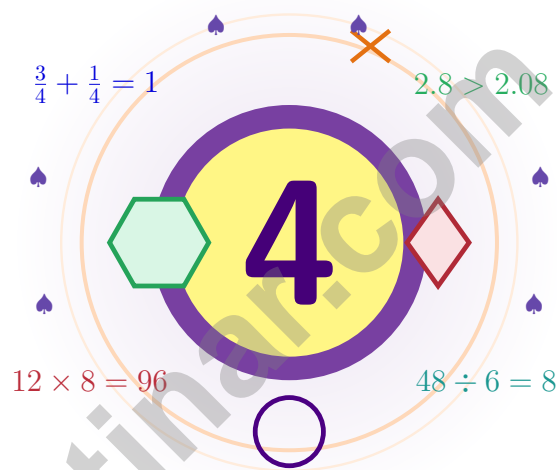
PERFECT FOR CLASSROOM, HOME, OR SELF-STUDY



ALIGNED TO NEVADA STATE STANDARDS (SMARTER BALANCED)

4 Nevada Smarter Balanced Grade 5 Math Practice Tests

A four-test adventure built for steady, brave thinking



Four full tests, a smart quick review, mission-style strategy pages, and student-tested support that help Grade 5 mathematicians from The Silver State build calm, careful, confident habits.

Jay Daie and Reza Nazari



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Strap In, Nevada – Four-Test Adventure

Four full tests and a coach's voice on every page

Nevada Mathematicians, Read This First

This book gives you four chances to read closely, solve carefully, and level up your math thinking. Math thinking shines like silver – it takes a little polishing, but the brightness is already there.

You do not need to feel perfect before you begin. You just need to stay curious, use strategies, and learn from every correction. That is how confident mathematicians are built.

Watch

Watch what the question really wants from you.

Try

Try a strategy that fits the size of the numbers.

Polish

Polish your steps, units, and the final answer.

A strong mission habit for Nevada: keep your work neat, estimate when it helps, label units carefully, and never let one hard question decide your mood for the whole page.

From Cover to Final Test

A four-step routine that turns practice into real improvement

Step 1: Open

Open the warm-up review and use it.

Wake up the big Grade 5 ideas before the test starts so your brain is already warmed up.

Step 2: Test

Take the test with steady focus.

Find a calm corner, settle in, and aim for careful, honest choices before quick ones.

Step 3: Reflect

Notice what was sharp and what was shaky.

Circle missed questions, sort out what went sideways, and notice which skills are calling for attention.

Step 4: Sharpen

Practice the shaky skills before the next round.

Read the explanation, fix the work, and carry that lesson into the very next test.

A Four-Week Nevada Mission Map

Week	Mission Focus
Week 1	Take Test 1 and start polishing. Even small work creates shine.
Week 2	Take Test 2 and lift word problems and clear writing.
Week 3	Take Test 3 to polish fractions, decimals, and conversions.
Week 4	Take Test 4 with calm, careful, bright work.



Scan me

Four Tests, Up Close

What these four practice tests help Grade 5 students build

These three practice tests prepare Grade 5 students in the Silver State for the Nevada Smarter Balanced with the steady focus of a desert hiker. The goal is bigger than collecting right answers. Students are practicing how to read carefully, choose a strategy, solve step by step, and explain their reasoning clearly – the same way mathematicians do every day.

Selected-Response Questions

Students solve the problem and choose the best answer. Estimating first, crossing out weak choices, and checking for reasonableness can save time and points.

Constructed-Response Questions

Students show steps, explain a method, or support an answer with clear math. Strong reasoning matters because it shows how the answer was found.

Grade 5 Ideas That Show Up Again and Again

- place value, comparing numbers, and rounding
- multi-digit addition, subtraction, multiplication, and division
- fractions, mixed numbers, and decimals
- perimeter, area, volume, and measurement conversions
- tables, line plots, patterns, and coordinate points
- geometry and multi-step real-world problem solving

What strong Smarter Balanced-style work looks like: accurate math, readable steps, the right labels or units, and a final answer that really matches the question being asked.



Table of Contents

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Grade 5 Mathematics Reference Materials

PERIMETER AND AREA

Perimeter of Rectangle $P = 2l + 2w$ or $P = 2(l + w)$

Area of Rectangle $A = l \times w$

Area of Triangle $A = \frac{1}{2} \times b \times h$

Volume of Rectangular Prism $V = l \times w \times h$

LENGTH

Customary

1 foot (ft) = 12 inches (in.)

1 yard (yd) = 3 feet (ft)

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Metric

1 meter (m) = 100 centimeters (cm)

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1 kilometer (km) = 1,000 meters (m)

CAPACITY

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1 cup (c) = 8 fluid ounces (fl oz)

1 pint (pt) = 2 cups (c)

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- 1) A rectangular aquarium has a base measuring 18 in \times 12 in and a height of 10 in. What is its volume?

Aquarium
Base 18 in \times 12 in, Height 10 in

- A. 1800 in³ C. 2160 in³
 B. 2000 in³ D. 2400 in³
- 2) What is $83.5 \div 100$?
- A. 0.835 C. 8,350
 B. 8.35 D. 0.00835
- 3) Without calculating, which comparison is correct?
- A. $15 \times 8 > 16 \times 8$
 B. $24 \times 6 < 24 \times 5$
 C. $9 \times 14 = 14 \times 9$
 D. $30 \times 3 > 30 \times 4$
- 4) Find the missing subtrahend: $9\frac{3}{5} - \underline{\hspace{2cm}} = 4\frac{1}{5}$.
- A. $4\frac{2}{5}$ C. $5\frac{4}{5}$
 B. $6\frac{2}{5}$ D. $5\frac{2}{5}$
- 5) Find the product: $0.07 \times 1,000$.

Record your answer in the space provided.



6) Which expression represents “the difference of 25 and the product of 3 and 5”?

A. $25 - 3 \times 5$

C. $3 \times (25 - 5)$

B. $(25 - 3) \times 5$

D. $25 \times 3 - 5$

7) Add and write the sum in simplest form: $\frac{4}{10} + \frac{1}{3}$

A. $\frac{5}{13}$

C. $\frac{22}{15}$

B. $\frac{11}{15}$

D. $\frac{4}{30}$

8) Pattern I: 2, 5, 8, 11. Pattern J: 4, 10, 16, 22. Analyze the table to find the rule.

I	J	Rule
2	4	?
5	10	?
8	16	?

A. $J = I \times 2$

C. $J = I \times 3 - 2$

B. $J = I + 2$

D. $J = I + 5$



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- 1) Simplify then multiply: $\frac{4}{10} \times \frac{5}{8}$. What is the final answer in simplest form?
- A. $\frac{20}{80}$ C. $\frac{1}{2}$
 B. $\frac{3}{8}$ D. $\frac{1}{4}$
- 2) Which shows the pattern for 0.08, then 0.08×10 , then 0.08×100 , then $0.08 \times 1,000$?
- A. 0.08, 80, 800, 8000 C. 0.08, 0.8, 8, 800
 B. 0.08, 8, 80, 800 D. 0.08, 0.8, 8, 80
- 3) What is the relationship between the sides of a rhombus?
- A. No two sides are equal. C. All four sides are equal.
 B. Only opposite sides are equal. D. Two adjacent sides are equal.
- 4) What is $5 \div \frac{1}{3}$?
- A. $\frac{5}{3}$ C. 15
 B. $\frac{1}{15}$ D. 8
- 5) Three swimmers compare lap distances: $\frac{1}{2}$ mile, $\frac{1}{3}$ mile, and $\frac{1}{4}$ mile. What least common denominator should they use?
- A. 12 C. 24
 B. 9 D. 6
- 6) A baker divides 5.4 pounds of dough equally among 6 loaves. How much dough per loaf?
- A. 0.7 lb C. 0.85 lb
 B. 0.8 lb D. 0.9 lb



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1) A fish tank has volume 1440 cm^3 and dimensions 12 cm long and 10 cm wide. How deep is it?

A. 10 cm

C. 14 cm

B. 12 cm

D. 16 cm

2) Find the difference: $5\frac{1}{3} - 2\frac{2}{3}$.

Record your answer in the space provided.

3) Which division problem matches the model? (A bar marked $\frac{1}{4}$ is divided into 4 equal sections.)



$\frac{1}{4}$

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

C. $4 + \frac{1}{4}$

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

D. $\frac{4}{1} \div \frac{1}{4}$

4) Estimate $2,345 \div 59$ using compatible numbers:

A. $2,400 \div 60 = 40$

C. $2,000 \div 50 = 40$

B. $2,100 \div 70 = 30$

D. $2,500 \div 75 = 33$



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1) What is $13.07 - 8.95$?

A. 4.12

C. 4.22

B. 5.12

D. 3.98

2) Find: $6.7 \div 10^2$.

Record your answer in the space provided.

3) A pizza is cut into 8 slices. You eat $\frac{3}{8}$ of the pizza. How many slices do you eat?

A. 1 slice

C. 4 slices

B. 2 slices

D. 3 slices

4) What must be added to $\frac{3}{8}$ to get $1\frac{1}{4}$?

A. $\frac{7}{8}$

C. $\frac{5}{8}$

B. $\frac{8}{8}$

D. 1 whole

5) A library receives a shipment of books. There are 18 boxes with 45 books in each box. How many books are in the shipment?

A. 800

C. 820

B. 830

D. 810

6) A machine fills containers at a rate of 2.25 liters per minute. How many liters does it fill in 160 minutes?

A. 350 liters

C. 370 liters

B. 360 liters

D. 380 liters



Practice Test Answer Keys

How to use this section:

1. check your answer
2. circle missed questions
3. rework them before reading the explanation

Good correction habits build strong scores.

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Practice Test Answers and Explanations

Practice Test 1 Answers and Explanations

- Choice C is correct.** (5.MD.C.5a) Volume = $18 \times 12 \times 10 = 216 \times 10 = 2160 \text{ in}^3$.
- Choice A is correct.** (5.NBT.A.2) When dividing by 100, move the decimal point 2 places to the left: $83.5 \rightarrow 8.35 \rightarrow 0.835$. So $83.5 \div 100 = 0.835$.
- Choice C is correct.** (5.OA.A.2) Multiplication is commutative, which means the order of the factors can switch without changing the product. So 9×14 and 14×9 are equal.
- Choice D is correct.** (5.NF.A.1) Rearrange: missing number = $9\frac{3}{5} - 4\frac{1}{5} = 5\frac{2}{5}$.
- The correct answer is 70.** (5.NBT.A.2) Multiplying by 1,000 moves the decimal point three places right: $0.07 \rightarrow 70$.
- Choice A is correct.** (5.OA.A.2) First translate “the product of 3 and 5” as 3×5 . The difference of 25 and that product is $25 - 3 \times 5$.
- Choice B is correct.** (5.NF.A.1) $\text{LCM}(10,3) = 30$. $\frac{4}{10} = \frac{12}{30}$ and $\frac{1}{3} = \frac{10}{30}$. $\frac{12}{30} + \frac{10}{30} = \frac{22}{30} = \frac{11}{15}$.
- Choice A is correct.** (5.OA.B.3) Pattern J is twice Pattern I: $2 \times 2 = 4$, $5 \times 2 = 10$, $8 \times 2 = 16$, $11 \times 2 = 22$.
- Choice B is correct.** (5.G.A.2) For input 2: first output is 10 (position 2 in 5, 10, 15, 20), second output is 6 (position 2 in 3, 6, 9, 12).
- Choice D is correct.** (5.NF.A.2) $\frac{1}{5} = \frac{2}{10}$. If $\frac{7}{10} - x = \frac{2}{10}$, then $x = \frac{5}{10}$.
- Choice B is correct.** (5.NF.A.2) $8\frac{5}{6}$ rounds to 9 and $3\frac{4}{7}$ rounds to 4. So $8\frac{5}{6} - 3\frac{4}{7} \approx 9 - 4 = 5$.
- Choice D is correct.** (5.NF.B.6) $\frac{3}{4} \times \frac{4}{9} = \frac{12}{36}$, which simplifies to $\frac{1}{3}$ of the box.
- Choice D is correct.** (5.MD.C.5c) Find each part first: Prism A is $5 \times 4 \times 3 = 60$ cubic meters, and Prism B is $6 \times 2 \times 5 = 60$ cubic meters. Because the parts do not overlap, add them: $60 + 60 = 120$ cubic meters.
- Choice A is correct.** (5.NBT.A.2) $0.56 \times 10 = 5.6$ (decimal moves 1 place right).
- Choice D is correct.** (5.NF.A.1) Add: $2\frac{3}{5} + 3\frac{1}{5} = 5\frac{4}{5}$.
- Choice C is correct.** (5.MD.B.2) Count the X marks above 4 photos. There are 4 X marks, so 4 events had 4 photos taken.
- Choice C is correct.** (5.MD.C.3b) A pyramid has a polygonal base and triangular faces that meet at a point, not rectangular faces. The others are all rectangular prisms.
- The correct answer is 2.4.** (5.NBT.B.7) Use place-value reasoning to keep the decimal in the correct place. $96 \div 4 = 24$. Place decimal: 2.4. This confirms the answer.
- Choice D is correct.** (5.NBT.A.2) Dividing by 10 moves each digit one place to the right in the place-value chart, so $7 \div 10 = 0.7$.
- Choice A is correct.** (5.NBT.B.6) $468 \div 12 = 39$ rows. Check: $12 \times 39 = 468$.
- Choice B is correct.** (5.MD.C.5a) The base area tells how many square units are in one layer. Multiplying by the height counts all the layers, so $V = B \times h$.
- Choices A, B are correct.** (5.NF.A.2) The LCM of 3 and 5 is 15, so A is true. Also, $\frac{1}{3} = \frac{5}{15}$, so B is true. C adds denominators, and D miscomputes.
- The correct answer is 3 sides.** (5.G.B.3) An equilateral triangle has 3 equal sides and 3 vertices. A square has 4 sides and 4 vertices, so the number of sides or vertices tells the shapes apart.
- Choice D is correct.** (5.NBT.A.2) $11 \times 100 = 1100$. Append two zeros to 11.
- Choice A is correct.** (5.NBT.A.3a) 4.53 is read as “four and fifty-three hundredths”. The digit 5 is in the tenths place (0.5).
- Choice C is correct.** (5.OA.A.1) The grouping symbols help you find the bracket value first: $(6 + 2) \div 4 = 8 \div 4 = 2$. Inside the braces, multiplication comes before addition, so the next step is 4×2 .
- The correct answer is 1.** (5.NF.B.5b) The mixed number $1\frac{2}{5}$ is $\frac{7}{5}$. Then $\frac{7}{5} \times \frac{5}{7} = 1$ because the numerator and denominator factors match.
- Choice B is correct.** (5.NBT.A.2) Dividing by a power of 10 shifts the value to a smaller place. $7,000 \div 10 = 700$ screws per box. This confirms the answer.
- Choice B is correct.** (5.MD.C.5) Divide the volume by the base area: $360 \div 40 = 9$, so the height is 9 cm.



Strong Climber, Listen Up!

◇ You did it. You climbed all 4 practice tests like a steady mountain climber—one foothold, one breath, one step at a time. The view from the top is wonderful because you earned it. Test day is the next peak, and you are stronger than the climber you were when you started. ◇

★ **Here is what mountain guides teach:** pacing matters more than speed. Take steady steps. Check your footing. Keep your eyes on the path. The same wisdom helps on a math test: read carefully, work calmly, and check your work before you move on. ★

Climber's Field Notes

- **Endurance:** STRONG! You can finish a long climb without losing focus.
- **Footwork:** STEADY! Your steps (your steps in problem-solving) are reliable.
- **Map Reading:** CLEAR! You read questions carefully before you start.
- **Summit Mindset:** READY! You know how to push through the last stretch.

Field tip: on test day, take small breaths between problems. Each problem is a foothold. Take it. Move on. Take the next. That is how mountains get climbed—and how tests get conquered.

If you want to share a proud moment or ask a question, please email me at jay@testinar.com. I'd love to hear from you!

Jay Daie

Your Math Guide (Onward and Upward)

4 COMPLETE TESTS. CONFIDENCE. SUCCESS.



Give your child the practice and confidence they need to excel in **Grade 5 Math**. This book includes **4 full-length** practice tests designed to build skills, improve test readiness, and help students reach their full potential.

WHAT'S INSIDE:



4 COMPLETE PRACTICE TESTS

Full-length tests that reflect real test format and rigor.



COVERS ALL GRADE 5 TOPICS

Numbers & Operations, Fractions, Decimals, Geometry, Measurement, Data & Probability, and more.



MIXED REVIEW & WORD PROBLEMS

Build problem-solving skills with mixed review questions and real-world word problems.



DETAILED ANSWER KEY

Step-by-step explanations for every question to help students learn and improve.



BUILD CONFIDENCE & IMPROVE SCORES

Practice consistently, reduce test anxiety, and achieve your best score!



PRACTICE SMART. LEARN MORE. ACHIEVE YOUR BEST.



Strengthen
Math Skills



Improve
Accuracy
& Speed



Master
Essential
Concepts



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Smart Practice. Stronger Results.