

7

Nevada

Smarter Balanced

GRADE 5

MATHEMATICS

PRACTICE TESTS

✓
**PRACTICE
PREPARE
SUCCEED**

★★★

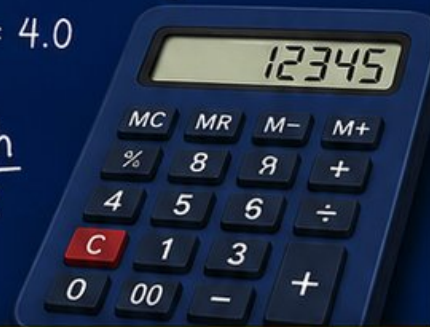
Comprehensive Standards-Aligned
Review for Strong Grade 5
Math Performance



$$\frac{3}{4} + \frac{2}{4} = \frac{5}{4}$$

$$2.4 + 1.6 = 4.0$$

$$A = \frac{bh}{2}$$



**7 FULL-LENGTH
PRACTICE TESTS**

Realistic style
questions



**STANDARDS-
ALIGNED**

Covers all Grade 5
standards



BUILD CONFIDENCE

Target weak areas
and improve
performance



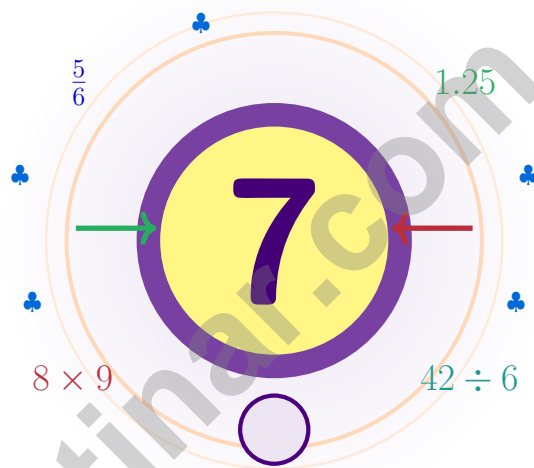
ACHIEVE SUCCESS

Develop skills,
stay prepared,
excel on test day

★ PRACTICE TODAY. PERFORM TOMORROW. **SUCCEED** FOREVER. ★

7 Nevada Smarter Balanced Grade 5 Math Practice Tests

A seven-step trail built for steady, brave thinking



Seven full tests, a concise review, and helpful support that turns Grade 5 practice in The Silver State into steady, confident growth from page one to the final check.

Jay Daie and Reza Nazari



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Seven-Step Math Adventure, Nevada

Seven chances to grow your math mind one careful step at a time

Nevada Grade 5: This Trail Is for You

This practice book is your steady companion for seven tests, not a place to be perfect. Math thinking shines like silver – it takes a little polishing, but the brightness is already there.

Use these seven tests like stepping-stones. Take one test at a time, check your answers honestly, and notice which skills need more attention. Small improvements add up across seven rounds.

Notice

Look closely at what the problem says, shows, and asks.

Try

Pick a plan and step through it carefully.

Grow

Use every correction as a clue for what to master next.

A strong habit for Nevada mathematicians: read carefully, estimate when it helps, show your steps, and keep going even when a question feels tricky. That is how steady math confidence is built.

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Scan me



Seven Steps, One Routine

A simple routine that turns practice into progress

Step 1: Step 1

Warm up with a quick review.

Spend a few minutes waking up your memory before the test begins.

Step 2: Step 2

Take one full practice test.

Work in a calm spot and focus on careful thinking before speed.

Step 3: Step 3

Check your work honestly.

Circle missed questions and notice which topics keep showing up.

Step 4: Step 4

Fix, reflect, and try again.

Read the explanation, repair the work, and bring that lesson into the next test.

A Good 7-Week Nevada Rhythm

Week 1	Take Test 1 and start polishing.
Week 2	Take Test 2 and slow down on word problems.
Week 3	Take Test 3 and lift fraction and decimal work.
Week 4	Take Test 4 and pay close attention to labels and units.
Week 5	Take Test 5 and compare your habits with your first test.
Week 6	Take Test 6 and practice staying calm during tricky questions.
Week 7	Take Test 7 with calm, careful, bright work.



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Grade 5 Mathematics Reference Materials

PERIMETER AND AREA

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

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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)

1 yard (yd) = 36 inches (in.)

Metric

1 meter (m) = 100 centimeters (cm)

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CAPACITY

Customary

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

1 pint (pt) = 2 cups (c)

1 quart (qt) = 2 pints (pt)

1 gallon (gal) = 4 quarts (qt)

Metric

1 liter (L) = 1,000 milliliters (mL)

WEIGHT AND MASS

Customary

1 pound (lb) = 16 ounces (oz)

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1 kilogram (kg) = 1,000 grams (g)

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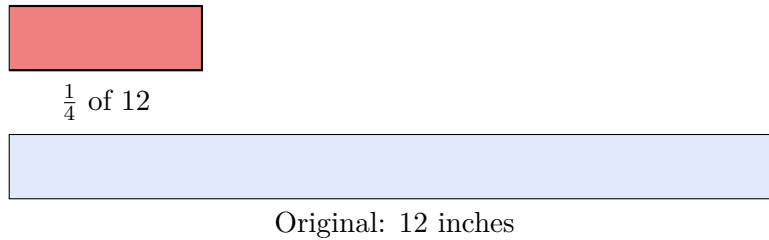
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1)

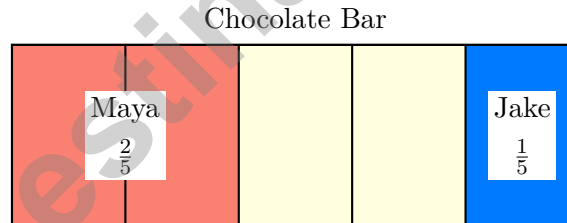
If the large bar represents 12 inches, what length does the colored part represent?

- A. 3 inches C. 4 inches
 B. 2 inches D. 6 inches

2) A car uses $\frac{1}{2}$ of a tank of gas for a full trip. How much of a tank is used for $\frac{3}{4}$ of the trip?

- A. $\frac{3}{8}$ tank C. $\frac{5}{8}$ tank
 B. $\frac{2}{3}$ tank D. 1 tank

3) Two friends share a chocolate bar. Maya eats $\frac{2}{5}$ and Jake eats $\frac{1}{5}$. How much do they eat together?



- A. $\frac{1}{5}$ C. $\frac{3}{5}$
 B. $\frac{2}{5}$ D. $\frac{4}{5}$

4) A swimming pool is filled with 2,847 liters of water. It leaks 0.75 liters per day. After 8 days, how much water remains in the pool?

- A. 2,833 liters C. 2,841 liters
 B. 2,840 liters D. 2,845 liters



- 5) Find: $0.4 \div 10$.

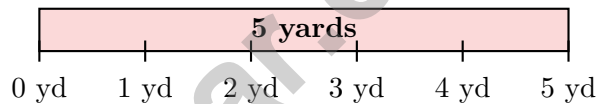
Record your answer in the space provided.

- 6) What is 0.078×100 ?

- A. 0.078 C. 7.8
 B. 0.78 D. 78

- 7) A ribbon is 5 yards long. How many feet long is the ribbon?

Use: 1 yard = 3 feet



- A. 8 feet C. 15 feet
 B. 12 feet D. 60 feet
- 8) Find the LCD of $\frac{2}{9}$ and $\frac{5}{12}$. Which shows the correct pair?
- A. $\frac{8}{36}$ and $\frac{15}{36}$ C. $\frac{8}{36}$ and $\frac{12}{36}$
 B. $\frac{6}{36}$ and $\frac{15}{36}$ D. $\frac{4}{36}$ and $\frac{5}{36}$
- 9) What is $\frac{4}{9} \times \frac{3}{5}$ in simplest form?

- A. $\frac{13}{45}$ C. $\frac{7}{14}$
 B. $\frac{4}{15}$ D. $\frac{2}{3}$



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1) Subtract: $\frac{4}{5} - \frac{1}{2}$

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

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

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

D. $\frac{4}{10}$

2) Evaluate the expression: $6 \times [(15 - 7) + (4 \times 2)]$

Record your answer in the space provided.

3) How many trailing zeros are in the product 60×700 ?

A. 2

B. 3

C. 4

D. 5

4) Simplify: $2 \times \frac{3}{8}$

A. $\frac{3}{16}$

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

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

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

5) Which statement about missing parentheses in $6 + 2 \times 3 - 1$ is true?

Statement
1. The expression equals 16 without parentheses
2. Adding parentheses around $(6 + 2)$ changes the answer
3. Parentheses around 2×3 do not change the answer

A. All statements are true

C. Statements 1 and 2 are true; 3 is false

B. Statements 2 and 3 are true; 1 is false

D. All statements are false



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1) The first term is 2. Each next term is found by multiplying by 5. What is the 4th term?

- A. 50 C. 250
 B. 125 D. 500

2) Evaluate: $\{[(12 \div 3) + 1] \times 2\} - 3$

- A. 5 C. 9
 B. 7 D. 13

3)

Number	$\div 10$	$\div 100$	$\div 1,000$
356	35.6	3.56	?

What is $356 \div 1,000$?

- A. 0.356 C. 35,600
 B. 3.56 D. 0.035
- 4) What is the missing quotient in this division chain?
 $816 \div 17 = 48$ $408 \div 17 = ?$
- A. 24 C. 40
 B. 32 D. 48
- 5) If you multiply 12 by 10^3 , what digit moves to the thousands place?
- A. 1 C. 0
 B. 2 D. 5



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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

- 1) **Choice A is correct.** (5.NF.B.5a) The colored part is $\frac{1}{4}$ of the whole bar. $12 \times \frac{1}{4} = 3$ inches.
- 2) **Choice A is correct.** (5.NF.B.6) Use $\frac{3}{4}$ of the full-trip amount: $\frac{3}{4} \times \frac{1}{2} = \frac{3}{8}$ tank.
- 3) **Choice C is correct.** (5.NF.A.2) $\frac{2}{5} + \frac{1}{5} = \frac{3}{5}$ of the chocolate bar eaten together.
- 4) **Choice C is correct.** (5.MD.C.5) Water lost in 8 days: $0.75 \times 8 = 6$ liters. Remaining water: $2,847 - 6 = 2,841$ liters.
- 5) **The correct answer is 0.04.** (5.NBT.A.2) Move the decimal point one place left: $0.4 \rightarrow 0.04$.
- 6) **Choice C is correct.** (5.NBT.A.2) Multiplying by 100 moves the decimal point 2 places to the right: $0.078 \rightarrow 0.78 \rightarrow 7.8$.
- 7) **Choice C is correct.** (5.MD.A.1) To convert yards to feet, multiply by 3: $5 \text{ yd} \times 3 \text{ ft/yd} = 15$ feet.
- 8) **Choice A is correct.** (5.NF.A.2) LCD of 9 and 12 is 36. $\frac{2}{9} = \frac{8}{36}$ and $\frac{5}{12} = \frac{15}{36}$.
- 9) **Choice B is correct.** (5.NF.B.5b) $\frac{4}{9} \times \frac{3}{5} = \frac{12}{45} = \frac{4}{15}$ (divide by 3).
- 10) **Choice A is correct.** (5.NF.A.1) Use sixths: $8\frac{1}{3} = 8\frac{2}{6}$. Regroup as $7\frac{8}{6}$. Then $7\frac{8}{6} - 2\frac{5}{6} = 5\frac{3}{6} = 5\frac{1}{2}$.
- 11) **Choice B is correct.** (5.NBT.A.4) Only B is correct. For the nearest tenth, look at the hundredths digit (3). Since $3 < 5$, the tenths stays 2, giving 6.2. A names the wrong place (6.24 has two decimal places, not one). C is wrong because the tenths digit (2) is less than 5, so 6.234 rounds down to 6, not up to 7. D is wrong because the thousandths digit is 4, so the hundredths stays 3, giving 6.23 (not 6.24).
- 12) **Choice D is correct.** (5.MD.C.5) Use the rectangular-prism volume formula: $7 \times 3 \times 4 = 84$. So the volume is 84 cubic meters.
- 13) **Choice A is correct.** (5.NBT.A.1) In 2.894, the digits after the decimal are: 8 (tenths), 9 (hundredths), 4 (thousandths). The student mistook 4 for being in the tenths place.
- 14) **Choice D is correct.** (5.MD.C.3b) $V = 6 \times 4 \times 3 = 72$ cubic meters.
- 15) **Choice B is correct.** (5.OA.B.3) Multiples of 11: 20th multiple is $11 \times 20 = 220$.
- 16) **Choice B is correct.** (5.OA.A.2) Use $(12 + 5)$ as the starting amount. Multiplying it by 2 makes it larger, while dividing by 2 or subtracting 2 makes it smaller.
- 17) **Choice B is correct.** (5.MD.C.5a) Base area = $21 \times 8 = 168 \text{ in}^2$. Height = $504 \div 168 = 3$ inches.
- 18) **Choices A, C are correct.** (5.OA.A.1) Good checking means testing every choice. B evaluates to 16, and D evaluates to 17, so they do not belong in the answer set.
- 19) **Choice A is correct.** (5.NF.B.4b) Using $\frac{1}{5}$ of the string means multiply: $\frac{1}{5} \times \frac{3}{4} = \frac{3}{20}$ meter.
- 20) **Choice A is correct.** (5.MD.C.5a) $V = 16 \times 5 \times 3 = 240 \text{ in}^3$.
- 21) **Choice C is correct.** (5.NBT.A.2) Divide total grains by number of people: $2,000 \div 100 = 20$ grains per person.
- 22) **Choice B is correct.** (5.NBT.B.7) The area model breaks into four parts: $3 \times 2 = 6$, $3 \times 0.5 = 1.5$, $0.2 \times 2 = 0.4$, $0.2 \times 0.5 = 0.1$. Total: $6 + 1.5 + 0.4 + 0.1 = 8$.
- 23) **Choice D is correct.** (5.G.A.2) First ordered pair: (Pattern 1 first value, Pattern 2 first value) = (5, 2).
- 24) **The correct answer is $(7 + 8) \times 4$.** (5.OA.A.2) Rubric note: accept $(7 + 8) \times 4$, $4 \times (7 + 8)$, or any equivalent expression that clearly shows 7 and 8 are added first and that the resulting sum is multiplied by 4.
- 25) **Choice A is correct.** (5.MD.B.2) The bottles contain $2(8) + 3(8\frac{1}{2}) + 3(9) + 1(9\frac{1}{2}) = 16 + 25\frac{1}{2} + 27 + 9\frac{1}{2} = 78$ ounces.
- 26) **Choice A is correct.** (5.G.B.4) Figures with 4 equal sides include the rhombuses that are not squares and the squares: $4 + 3 = 7$.
- 27) **The correct answer is 700,000.** (5.NBT.A.2) 100,000 has five zeros, so $7 \times 100,000$ is 7 followed by five zeros: 700,000.
- 28) **Choice B is correct.** (5.NF.B.7c) Check the choices by thinking about half-size groups. Since $8 \div \frac{1}{2} = 8 \times 2 = 16$, the whole number is 8.
- 29) **The correct answer is 3.** (5.NF.B.4) First simplify $\frac{2}{6}$ to $\frac{1}{3}$. Then $9 \times \frac{1}{3} = \frac{9}{3} = 3$.
- 30) **Choice A is correct.** (5.NF.B.5b) $1\frac{1}{6} = \frac{7}{6}$. Then $\frac{7}{6} \times 2 = \frac{14}{6} = \frac{7}{3} = 2\frac{1}{3}$.
- 31) **The correct answer is $5\frac{9}{10}$.** (5.NF.A.1) $3 + 2 = 5$. $\frac{4}{10} + \frac{5}{10} = \frac{9}{10}$. Total: $5\frac{9}{10}$.



Dear Student,

★ By completing seven practice tests, you did something that many students never do—you trained your attention. Attention means you can stay with a question long enough to understand it, choose a strategy, and solve it carefully. ★

◇ **Here's what good test-takers know:** a test is not a race. The goal is not to be first—the goal is to be accurate. When you slow down just enough to read, plan, and check, you earn more points. ◇

My Focus Tools

- **Finger-tracking:** follow each line as you read.
- **Underline:** circle key numbers and important words.
- **Mini-plan:** write one word: add, subtract, multiply, divide, draw.
- **Check:** estimate to see if the answer is reasonable.

Your practice matters. Seven tests later, you can focus longer and think more clearly. That will help you on test day—and in everything you learn.

You can email me at reza@testinar.com.

Reza Nazari & Jay Daie

Your Math Coaches (Stay Focused)

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PRACTICE TODAY. PERFORM TOMORROW.

Success in math starts with practice! This book provides the **practice, confidence, and skills** your child needs to excel on the Grade 5 Math test and beyond.

KEY BENEFITS:



TARGETED PRACTICE

Focus on the most important Grade 5 math skills.



STANDARD-ALIGNED

All tests align with state standards for Grade 5.



BUILD CONFIDENCE

Strengthen skills, reduce test anxiety, and boost confidence.



IMPROVE PERFORMANCE

Timed practice helps improve speed and accuracy.



ACHIEVE SUCCESS

Develop strong test-taking skills and achieve your best score!

PERFECT FOR:

✓ Classroom Practice

✓ Homework Help

✓ Test Preparation

✓ Summer Learning

✓ On-the-Go Practice

✓
PRACTICE
PREPARE
SUCCEED



STRONG SKILLS. BRIGHT FUTURE.

Give your child the tools they need to succeed in math and in life!



Visit testinar.com/math5 for more Grade 5 math resources and practice materials!



TRUSTED
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Quality resources you can trust.



DESIGNED
FOR SUCCESS

Proven practice for real results.



SUPPORT
YOUR CHILD

Every step of the way.