

6

Nevada

Smarter Balanced

GRADE 5

MATH

PRACTICE TESTS

Complete Standards-Based Practice
— for Grade 5 Math Success —



**6 FULL-LENGTH
PRACTICE TESTS**

Realistic style questions



**STANDARDS-BASED
PRACTICE**

Covers all Grade 5
Math standards



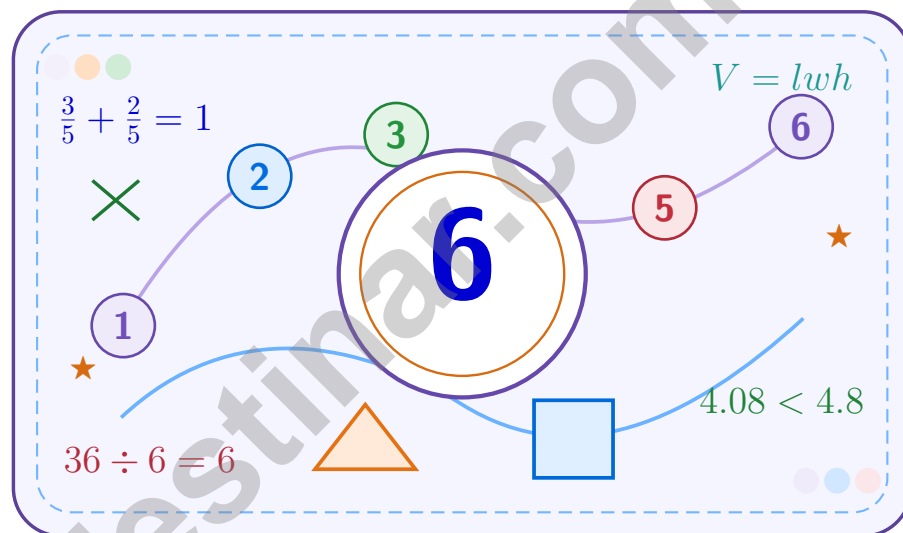
**BUILD CONFIDENCE.
IMPROVE SCORES.**

Target weak areas and
achieve success

★ **STRONG PRACTICE. BRIGHT FUTURE.** ★

6 Nevada Smarter Balanced Grade 5 Math Practice Tests

A six-step confidence climb with clear review, smart strategy, and practice that gets stronger every round



Six full tests, a focused skill booster, and student-friendly support from start to finish for Grade 5 mathematicians who want to climb higher.

Jay Daie and Reza Nazari



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Welcome to the Confidence Climb

This book is here to help you practice with purpose and rise step by step

To the Grade 5 Mathematician

This practice book is a place to think, try, fix, and grow. You do not have to be perfect on the first question or the first test. What matters most is careful effort, clear work, and learning from each round of practice.

Use these six 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 fast.

Try

Give each problem your best thinking.

Check

Study mistakes and learn what happened.

Rise

Bring that lesson into the next round.

A strong habit for every page: 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.

How to Use This Book

A simple practice routine that turns six tests into steady growth

Step 1: Warm Up

Start with the quick review.
Spend a few minutes refreshing the ideas before you start a test.

Step 2: Take the Test

Take one full practice test.
Work in a quiet space and let accuracy matter more than speed.

Step 3: Study the Pattern

Check your work honestly.
Circle missed questions and notice patterns in the mistakes.

Step 4: Learn, Then Retry

Read the explanation and try again.
Learning happens after the test too. Fixing mistakes is one of the smartest parts of practice.

A Six-Week Climb Map

Week	Mission Focus
Week 1	Take Test 1 and review any place-value or operation slips.
Week 2	Take Test 2 and focus on showing neat, easy-to-read work.
Week 3	Take Test 3 and give extra time to fractions or decimals if needed.
Week 4	Take Test 4 and slow down on word problems and units.
Week 5	Take Test 5 and compare your score and habits with earlier rounds.
Week 6	Take Test 6 and finish with calm, careful, confident work that uses everything you practiced before.



Scan me

Test Overview

What this practice book helps students do

These practice tests are designed to help Grade 5 students get comfortable with the kind of thinking used on the Nevada Smarter Balanced. The goal is bigger than only getting answers right. Students are practicing how to read closely, choose a strategy, solve carefully, and explain their work when needed.

Selected-Response Questions

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

Constructed-Response Questions

Students show their thinking, steps, models, or explanations. Even when unsure, writing what they know can help organize the problem.

Grade 5 Skills You Will Practice Often

- place value, comparing numbers, and rounding
- multi-digit addition, subtraction, multiplication, and division
- fractions, decimals, and mixed numbers
- perimeter, area, volume, and measurement conversions
- coordinate points, patterns, graphs, and tables
- geometry and multi-step word problems

What strong work looks like: the answer is correct, the steps are clear, the labels or units are included, and the final result makes sense.



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Grade 5 Mathematics

1

Questions: 40 Duration: No time limit

Calculator Policy: Calculators are not allowed



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)

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

Metric

1 meter (m) = 100 centimeters (cm)

1 centimeter (cm) = 10 millimeters (mm)

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

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

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TIME

1 minute (min) = 60 seconds (sec) 1 week = 7 days

1 hour (hr) = 60 minutes (min) 1 year = 12 months

1 day = 24 hours (hr) 1 year = 52 weeks



- 1) A rectangular prism is formed from 48 unit cubes arranged 4 deep, 3 wide, and 4 tall. If we remove one complete layer from the height, what is the new volume?

Prism

$$4 \times 3 \times 4 - \text{remove one layer from height}$$

- A. 24 cubic units
- B. 30 cubic units
- C. 36 cubic units
- D. 45 cubic units
- 2) What is $56.8 \div 100$?
- A. 5.68
- B. 0.568
- C. 0.056
- D. 568
- 3) Evaluate the expression: $((20 - 5) \div 3) + 4$

Record your answer in the space provided.

- 4) Cake was $\frac{5}{6}$ left. A customer bought $\frac{1}{4}$ of the whole cake. How much remains?
- A. $\frac{8}{12}$
- B. $\frac{4}{2}$
- C. $\frac{5}{12}$
- D. $\frac{7}{12}$



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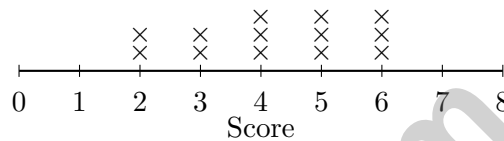


- 1) A distribution center ships notebooks. There are 61 boxes with 14 notebooks in each box. How many notebooks are shipped?

A. 854
 B. 860
 C. 870
 D. 880

- 2) The line plot shows the number of points scored in video games:

Video Game Scores



What is the difference between the highest and lowest scores?

A. 2
 B. 3
 C. 4
 D. 5

- 3) Rule: divide the input by 2, then add 1. For input 10, what is the ordered pair?

A. (10, 6)
 B. (10, 5)
 C. (10, 11)
 D. (10, 1)

- 4) Without calculating the products, which expression is greatest?

A. 18×25
 B. 18×26
 C. 17×25
 D. 17×26



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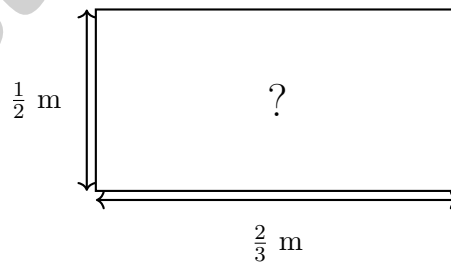
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- 1) Without calculating, which product is NOT equal to 10?
- A. 10×1 C. $10 \times \frac{9}{10}$
 B. $10 \times \frac{4}{4}$ D. $20 \times \frac{1}{2}$
- 2) A rectangular gift box has dimensions 19 cm, 13 cm, and 7 cm. What is its volume?
- A. 1456 cm^3 C. 1729 cm^3
 B. 1547 cm^3 D. 1833 cm^3
- 3) A store sells ribbon by the meter. One spool has 5.5 meters. If each customer buys one half meter, or 0.5 meter, how many customers can be served from one spool?
- A. 9 customers C. 12 customers
 B. 10 customers D. 11 customers
- 4) A door is 7 feet tall. How many inches is that?
- A. 96 inches C. 72 inches
 B. 80 inches D. 84 inches
- 5) A rectangular garden plot is $\frac{2}{3}$ meter long and $\frac{1}{2}$ meter wide. What is the area? Give the answer in simplest form.



- A. $\frac{2}{5} \text{ m}^2$ C. $\frac{3}{5} \text{ m}^2$
 B. 1 m^2 D. $\frac{1}{3} \text{ m}^2$



Grade 5 Mathematics Reference Materials

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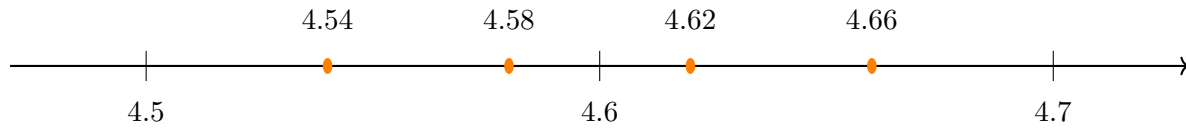
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1) Which decimal is between 4.5 and 4.6 and would round to 4.6?



- A. 4.54 C. 4.62
 B. 4.58 D. 4.66

2) Which subtraction requires borrowing?

- A. $5\frac{4}{5} - 1\frac{2}{5}$ C. $9\frac{1}{6} - 4\frac{5}{6}$
 B. $8\frac{2}{7} - 3\frac{1}{7}$ D. $6\frac{3}{4} - 2\frac{1}{4}$

3) If $15.42 - ? = 8.67$, what is the missing value?

- A. 7.15 C. 6.75
 B. 6.85 D. 7.25

4) Which statement correctly compares the place values?

- A. A digit in the hundredths place is 10 times greater than in the thousandths place. C. A digit in the ones place is 100 times greater than in the tenths place.
 B. A digit in the tenths place is 10 times greater than in the ones place. D. A digit in the hundreds place is 10 times greater than in the thousands place.

5) Length 11 m, width 3 m, height 2 m. Volume =?

- A. 16 m^3 C. 33 m^3
 B. 22 m^3 D. 66 m^3



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.

Testinar.com



Practice Test Answers and Explanations

Practice Test 1 Answers and Explanations

- 1) **Choice C is correct.** **(5.MD.C.3b)** Original: $4 \times 3 \times 4 = 48$. Remove one layer: height becomes 3. New volume: $4 \times 3 \times 3 = 36$ cubic units.
- 2) **Choice B is correct.** **(5.NBT.A.2)** Dividing by 100 moves the decimal 2 places left: $56.8 \rightarrow 5.68 \rightarrow 0.568$.
- 3) **The correct answer is 9.** **(5.OA.A.1)** Start with the grouped subtraction: $20 - 5 = 15$. Then divide: $15 \div 3 = 5$. Finally add: $5 + 4 = 9$.
- 4) **Choice D is correct.** **(5.NF.A.2)** LCD = 12. $\frac{5}{6} = \frac{10}{12}$; $\frac{1}{4} = \frac{3}{12}$. $\frac{10}{12} - \frac{3}{12} = \frac{7}{12}$.
- 5) **Choice A is correct.** **(5.G.A.2)** Point A is 2 units right along the x -axis and 6 units up along the y -axis, so the coordinates are (2, 6).
- 6) **Choice B is correct.** **(5.NF.B.7c)** The unit fraction is the amount being shared, so divide $\frac{1}{6}$ by 3. The equation is $\frac{1}{6} \div 3 = n$.
- 7) **Choice B is correct.** **(5.NBT.B.6)** B is correct because $18 \times 53 + 9 = 954 + 9 = 963$. A should have remainder 0, C should have quotient 19, and D should have remainder 0.
- 8) **Choice B is correct.** **(5.MD.C.5c)** Find each part first: Prism A is $5 \times 4 \times 3 = 60$ cubic inches, and Prism B is $6 \times 4 \times 5 = 120$ cubic inches. Because the parts do not overlap, add them: $60 + 120 = 180$ cubic inches.
- 9) **Choice C is correct.** **(5.OA.B.3)** For (6, 4): $4 \neq 6/2 = 3$. The correct pair should be (6, 3).
- 10) **Choice B is correct.** **(5.NF.A.2)** $\frac{4}{9}$ is close to $\frac{1}{2}$, and $\frac{1}{12}$ is small. The sum is just a little more than $\frac{1}{2}$, so $\frac{1}{2}$ is the best benchmark estimate.
- 11) **Choice D is correct.** **(5.NF.A.2)** Completed: $\frac{1}{5} + \frac{2}{5} = \frac{3}{5}$. Remaining: $1 - \frac{3}{5} = \frac{2}{5}$ of homework.
- 12) **Choice A is correct.** **(5.NF.B.7c)** One whole foot has 3 one-third-foot pieces, so $1 \div \frac{1}{3} = 3$ pieces.
- 13) **The correct answer is 39.2.** **(5.MD.C.5)** Choose the operation from the story, then keep the unit with the answer. $5.6 \times 7 = 39.2$ km. This confirms the answer.
- 14) **Choice C is correct.** **(5.NF.A.1)** $11\frac{3}{4} - 6\frac{1}{4} = 5\frac{2}{4} = 5\frac{1}{2}$ lb.
- 15) **The correct answer is $\frac{1}{18}$.** **(5.NF.B.7c)** $\frac{1}{6} \times \frac{1}{3} = \frac{1}{18}$.
- 16) **The correct answer is $(6 \times 10) \div 2$.** **(5.OA.A.2)** The result of 6×10 is divided by 2, so write $(6 \times 10) \div 2$. Equivalent expressions that preserve this order are also acceptable.
- 17) **Choice A is correct.** **(5.G.A.2)** The first coordinate, 50, matches the x -axis label: gallons used. The second coordinate, 400, matches the y -axis label: miles traveled. So the point means miles traveled is 400 when gallons used is 50.
- 18) **Choice D is correct.** **(5.NBT.A.2)** The fact $4 \times 2 = 8$ stays the same. In 40×200 , the factors have three zeros total, so the missing value is 8,000.
- 19) **Choice C is correct.** **(5.G.B.4)** A rhombus has four equal sides. If it is not a square, it does not have four right angles.
- 20) **Choice A is correct.** **(5.NF.B.7c)** Start with one unit fraction, $\frac{1}{5}$, and share it into 3 equal parts. Each part is $\frac{1}{5} \div 3 = \frac{1}{15}$ of the whole.
- 21) **Choices A, B are correct.** **(5.NBT.A.2)** $3.65 \times 10 = 36.5$ and $0.365 \times 100 = 36.5$. C and D both give 365.
- 22) **Choice B is correct.** **(5.NBT.B.5)** Multiply: $12 \times 24 = 12 \times (20 + 4) = (12 \times 20) + (12 \times 4) = 240 + 48 = 288$ pencils.
- 23) **Choice B is correct.** **(5.NBT.A.3b)** Ones and tenths are the same. Compare hundredths: 1.203 has 0, while the others have 3. So 1.203 is least.
- 24) **Choice D is correct.** **(5.NF.A.1)** LCM(12,4) = 12. $\frac{1}{4} = \frac{3}{12}$. $\frac{7}{12} + \frac{3}{12} = \frac{10}{12} = \frac{5}{6}$ mile.
- 25) **Choice D is correct.** **(5.MD.C.5)** The known length and height make groups of $15 \times 9 = 135$ cubic centimeters. Since $540 \div 135 = 4$, the width is 4 cm.
- 26) **Choice B is correct.** **(5.NBT.A.1)** In the decimal system, each place is 10 times the place to its right. So ones (1) = $10 \times$ tenths (0.1).
- 27) **Choice B is correct.** **(5.MD.B.2)** City A total is $(0 \times 2) + (1 \times 3) + (2 \times 1) + (3 \times 1) = 8$ inches. City B total is $(0 \times 1) + (1 \times 1) + (2 \times 3) + (3 \times 1) = 10$ inches. The difference is $10 - 8 = 2$ inches.
- 28) **Choice B is correct.** **(5.MD.C.5a)** The base area is $60 \times 30 = 1,800$ square feet. Since $18,000 \div 1,800 = 10$, the depth is 10 feet.



Case Closed: Success Ahead

Greetings, Math Detective!

★ Outstanding investigation! You've cracked the code on six complete practice tests, examining every clue and solving every mathematical mystery like a brilliant detective! Each problem was a puzzle, and you methodically gathered evidence, analyzed patterns, and reached accurate conclusions. That analytical thinking you've developed will serve you well on test day and beyond! ★

◇ **Here's what master detectives know:** not every case solves itself immediately. Sometimes you need to examine the evidence from different angles, try various approaches, and remain persistent until you crack the code. You've practiced exactly that through these six tests! Your investigative skills have sharpened considerably, and you're ready to solve any mathematical mystery that comes your way! ◇

Detective's Case File: Your Skills

1. **Clue Collection:** You gather all important information from problems before solving!
2. **Pattern Recognition:** You identify mathematical patterns like a trained investigator!
3. **Evidence Analysis:** You evaluate which strategies work best for each problem type!
4. **Case Resolution:** You stay focused until you've found the correct solution!

Fascinating detective fact: the best investigators keep detailed notes about their methods so they can solve similar cases faster in the future. Your brain has been doing exactly that throughout these six tests, storing successful strategies in your mental filing cabinet. On test day, you'll be able to retrieve those proven methods instantly!

If you discover a particularly clever problem-solving strategy or want to share your mathematical mysteries, send your findings to reza@testinar.com. I love hearing about breakthrough investigations!

Reza Nazari & Jay Daie

Your Math Coaches (One Step at a Time)

6 FULL-LENGTH TESTS. ENDLESS POTENTIAL.

PRACTICE TODAY. SUCCEED TOMORROW.

Give your child the tools they need to build strong math skills and test-taking confidence! This book includes **6 full-length practice tests** along with standards-based practice, mixed review, word problems, and a complete answer key.

★★★
PRACTICE
WITH PURPOSE.
ACHIEVE WITH
CONFIDENCE.

WHAT'S INSIDE:



6 FULL-LENGTH PRACTICE TESTS

Realistic tests designed to reflect the actual test format and help build confidence.



STANDARDS-BASED PRACTICE

Covers all essential Grade 5 math standards with clear explanations and examples.



MIXED REVIEW

Reinforces key concepts with a variety of question types and review exercises.



WORD PROBLEMS

Build critical thinking and problem-solving skills with real-world scenarios.



COMPLETE ANSWER KEY

Step-by-step explanations for every question to support learning and growth.



IMPROVE. PRACTICE. ACHIEVE.

Consistent practice leads to stronger skills, higher scores, and greater success.



WHY PRACTICE MAKES A DIFFERENCE



BUILD CONFIDENCE

Feel prepared and ready for any challenge.



IMPROVE ACCURACY

Strengthen skills and reduce careless mistakes.



THINK STRATEGICALLY

Develop problem-solving skills and deepen understanding.



MANAGE TIME

Practice under timed conditions to build stamina.



STAY MOTIVATED

Track progress and celebrate every win.



ACHIEVE SUCCESS

Reach goals and unlock your full potential!



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