

4 Wyoming WY TOPP

GRADE
6
MATH

PRACTICE TESTS

Standards Aligned Problem Solving
For Comprehensive Assessment Programs

4

**PRINTED
TESTS**



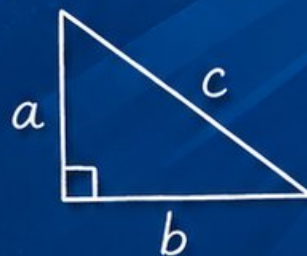
2

**ONLINE
TESTS**



- ✓ Build Confidence
- ✓ Master Key Math Skills
- ✓ Answer Explanations for Every Question
- ✓ Test-Taking Strategies That Work

$$2x + 5 = 21$$
$$x = 8$$



$$\frac{3}{4} + \frac{1}{2} = \frac{5}{4}$$



**USE THESE TWO
ADDITIONAL ONLINE
PRACTICE TESTS**

**FOR EXTRA REVIEW AFTER
THE PRINTED TESTS
IN THIS BOOK.**

4 Wyoming WY-TOPP Grade 6 Math Practice Tests

Standards-Aligned Wide-Range Math Stamina for Wyoming Test of Proficiency and Progress



Four complete 40-question Grade 6 practice rounds for WY-TOPP, built for wide-range math stamina with ratios, rational numbers, expressions, equations, geometry, statistics, answer keys, and clear explanations for every item.

Jay Daie and Reza Nazari



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Welcome, Wyoming Math Explorer!

Four focused rounds using wide-range math stamina

This book gives you four full Grade 6 practice tests for WY-TOPP. Each round uses open ranges, mountain passes, and patient calculation as a fresh mental backdrop while you read closely, choose a smart strategy, show your work, and check whether your answer makes sense.

Your Wyoming Practice Promise

Give each problem room: read the facts, choose a route, and check the answer.

Read

Plan

Check

How to Use This Book

A four-session routine for wide-range math stamina

1. **Work in order.** Take one 40-question test at a time in a quiet place.
2. **Preview the skills.** Scan the quick review pages before beginning the first round.
3. **Correct actively.** Retry missed items before reading the full explanation.
4. **Mark confidence.** Put a small star beside problems where your plan felt strong.
5. **Plan the next round.** Use the growth log to choose one habit and one skill to practice.

Wyoming review rhythm: Complete one round, note the hardest terrain, and prepare that skill for the next test.



What Is Inside?

Four WY-TOPP tests, 160 questions, and a full review path

Part	What You Will Practice
Tests 1–2	Foundation rounds for ratios, rational numbers, operations, and careful reading.
Tests 3–4	Skill-building and final stamina rounds with expressions, equations, geometry, data, and problem models.
Answer Pages	Compact keys and explanations that show why each answer works.

The tests are mixed on purpose. Wide-range math stamina means recognizing the skill even when the next question changes topic, changes format, or asks for an explanation.



Scan me!
For more practice
& answers

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1)

Number of Days	Total Miles Walked
5	20
10	40
15	60

The table shows the relationship between days and miles walked. If d represents the number of days, which expression shows the total miles walked?

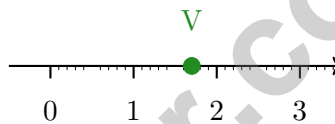
A. $d + 15$

B. $4d$

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

D. $d - 4$

2) The number line below shows tick marks at tenths. Which decimal is at point V?



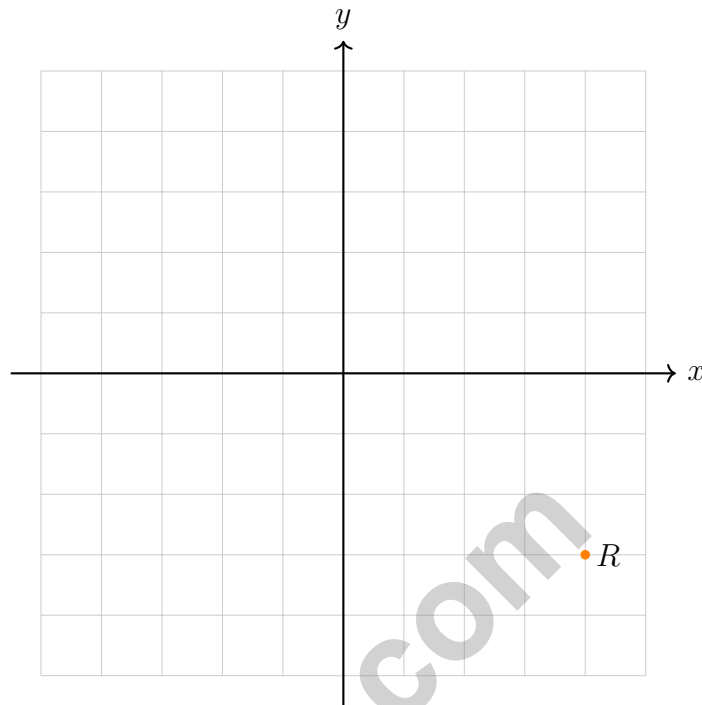
A. 1.5

B. 1.6

C. 1.7

D. 1.8





3)

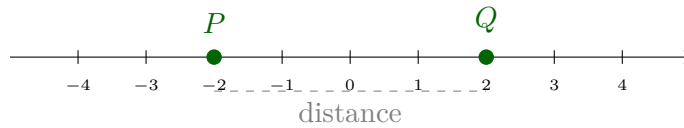
Point R is reflected across the y -axis. In which quadrant does the reflected point lie?

- | | |
|---|--|
| <input type="checkbox"/> A. Quadrant I | <input type="checkbox"/> C. Quadrant III |
| <input type="checkbox"/> B. Quadrant II | <input type="checkbox"/> D. Quadrant IV |

4) A company sells 480 products in one month. If 25% of the sales were online, how many products were sold online?



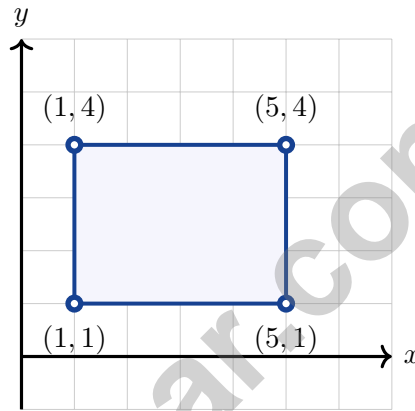
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5)

The distance between P and Q is:

- A. 2 units C. 4 units
 B. 0 units D. -4 units



6)

A rectangle has vertices at $(1, 1)$, $(5, 1)$, $(5, 4)$, and $(1, 4)$. What is the area?

- A. 9 square units C. 15 square units
 B. 18 square units D. 12 square units

7) During a video game, a player starts with 500 points. In Level 1, they gain 200 points. In Level 2, they lose 350 points. What is their final score?

- A. 50 points C. 1,050 points
 B. 350 points D. 150 points

6) A bag of letter tiles contains 5 A's, 3 E's, and 2 I's. If one tile is drawn at random, what is the probability that it is **not** an A?

A. $\frac{1}{10}$
 B. $\frac{1}{2}$

C. $\frac{3}{5}$
 D. $\frac{5}{10}$

7) A store records daily sales (in hundreds of dollars):

Stem	Leaf
8	2, 5, 7
9	1, 3, 4, 6, 8
10	2, 5, 7

How many days had sales of at least \$900 (stem ≥ 9)?

A. 3
 B. 5

C. 11
 D. 8

8) A park counted 600 visitors. The circle graph shows $\frac{3}{10}$ came on Saturday. How many visitors came on Saturday?

A. 150
 B. 120

C. 180
 D. 200

9) A sports team's record shows wins and losses in the ratio 4 : 1. If the team has 4 losses, how many wins does it have?

A. 1 win
 B. 4 wins

C. 5 wins
 D. 16 wins



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1) Evaluate $p + q$ when $p = 7$ and $q = 9$.

A. 2

C. 63

B. 16

D. 18

2) A builder needs 3,675 nails distributed equally among 25 construction projects. How many nails per project?

A. 147

C. 155

B. 150

D. 160

3) What is 4.6×0.8 ?

A. 3.68

C. 0.368

B. 36.8

D. 5.4

4) The table shows $h = 2, 4, 6$ and $s = 8, 16, 24$. What is the constant of proportionality?

5) A florist is arranging flowers into bouquets. She has 18 red roses and 24 white roses. If she uses all the flowers and each bouquet has the same number of red and white roses, what is the maximum number of bouquets she can make?

A. 6 bouquets

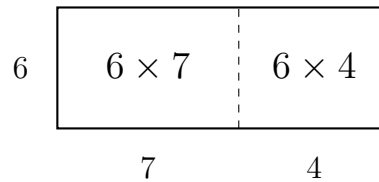
C. 18 bouquets

B. 8 bouquets

D. 42 bouquets



6) Which sum matches the factored form $6(7 + 4)$? Look at the area model.



- A. $42 + 24$
 C. $6 + 7 + 6 + 4$
 B. $42 + 4$
 D. $40 + 26$
- 7) On an elevator, someone travels down 7 floors (represented as -7). How far did they travel in terms of absolute value?
- A. -7 floors
 C. 0 floors
 B. 7 floors
 D. 14 floors
- 8) Compare $-\frac{2}{3}$ and $-\frac{1}{3}$. Which symbol makes the statement true?

$$-\frac{2}{3} \square -\frac{1}{3}$$

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



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Wyoming WY-TOPP Practice Test Answer Keys

How to use this Wyoming WY-TOPP answer section with a Grade 6 student:

1. check the answer first, then write one quick reason the choice is correct
2. mark questions to try again, especially the skills that feel connected to wide-range math stamina
3. rework the problem before reading the full explanation, using this reminder:
Give each problem room: read the facts, choose a route, and check the answer.

A calm Wyoming correction routine turns every missed item into useful practice. Complete one round, note the hardest terrain, and prepare that skill for the next test.



Wyoming Practice Test Answers and Explanations

Review the four printed WY-TOPP tests with patient, strong, and ready for the next range habits.

Practice Test 1 Answers and Explanations

- 1) **Choice B is correct.** **(6.EE.F.6)** Miles walked = $4 \times$ number of days. Pattern: 5 days \rightarrow 20 miles (4×5), 10 days \rightarrow 40 miles (4×10). So miles = $4d$.
- 2) **Choice C is correct.** **(6.NS.D.6C)** Point V is located 0.7 units to the right of 1, placing it at 1.7.
- 3) **Choice C is correct.** **(6.NS.D.6B)** Point R is at (4, -3). Reflecting across the y -axis gives (-4, -3), which is in Quadrant III (both coordinates negative).
- 4) **The correct answer is 120.** **(6.RP.A.3D)** 25% of $480 = 0.25 \times 480 = 120$ products were sold online.
- 5) **Choice C is correct.** **(6.NS.D.7D)** $P = -2$ and $Q = 2$. Distance = $2 - (-2) = 4$ units.
- 6) **Choice D is correct.** **(6.NS.D.8)** Length: $|5 - 1| = 4$ units. Width: $|4 - 1| = 3$ units. Area: $4 \times 3 = 12$ square units.
- 7) **Choice B is correct.** **(6.EE.E.2C)** $500 + 200 + (-350) = 700 - 350 = 350$ points.
- 8) **Choice B is correct.** **(6.G.H.1)** Area of a trapezoid = $\frac{1}{2}(b_1 + b_2) \times h = \frac{1}{2}(7 + 9) \times 4 = \frac{1}{2} \times 16 \times 4 = 32$ m².
- 9) **Choice D is correct.** **(6.G.H.2)** $50 = L \times 2.5 \times 4 = L \times 10$, so $L = 5$ dm.
- 10) **Choice B is correct.** **(6.G.H.3)** The bottom base goes from (1, 2) to (6, 2). Length = $6 - 1 = 5$ units.
- 11) **Choice B is correct.** **(6.G.H.1)** Width: $8 - 1 = 7$ units. Height: $5 - 1 = 4$ units. Ratio of width to height: $7 : 4$.
- 12) **Choice D is correct.** **(6.G.H.4)** $SA = 2LW + 2LH + 2WH = 2(5)(5) + 2(5)(15) + 2(5)(15) = 50 + 150 + 150 = 350$ cm².
- 13) **Choice A is correct.** **(6.NS.D.5)** 5 units to the left of -2 is $-2 - 5 = -7$, and 5 units to the right is $-2 + 5 = 3$. Both are in choice A.
- 14) **Choice B is correct.** **(6.G.H.1)** $A = \frac{1}{2} \times 10 \times 5 = 25$ m².
- 15) **Choice A is correct.** **(6.SP.J.4)** A histogram can group related ratings (1-2 as "low," 3 as "medium," 4-5 as "high") to clearly show that 28 out of 50 people were satisfied. The other displays would show individual ratings but not emphasize the grouping.
- 16) **Choice B is correct.** **(6.EE.G.9)** The ratio cost/notebooks = $3/1 = 6/2 = 9/3 = 12/4 = 3$. The constant ratio confirms proportionality, and the equation is $c = 3n$.
- 17) **Choice C is correct.** **(6.EE.G.9)** Budget A total: $\$900 + \$300 + \$200 + \$100 = \$1500$. Budget B total: $\$700 + \$250 + \$200 + \$100 = \$1250$. Difference: $\$1500 - \$1250 = \$250$.
- 18) **Choice C is correct.** **(6.RP.A.3)** Multiply: $2.5 \text{ cm} \times 4 = 10 \text{ cm}$.
- 19) **Choice C is correct.** **(6.NS.B.1)** $\frac{7}{8} \times \frac{4}{1} = \frac{28}{8} = \frac{7}{2} = 3\frac{1}{2}$.
- 20) **The correct answer is** $\frac{2}{5} = 40\%$ **and** $0.6 = 60\%$. **(6.RP.A.3C)** A is correct: $\frac{2}{5} = \frac{40}{100} = 40\%$. B is correct: $0.6 \times 100 = 60\%$. C is wrong because $\frac{7}{10} = 70\%$, D is wrong because $0.08 = 8\%$, and E is wrong because $\frac{1}{8} = 12.5\%$.
- 21) **Choice A is correct.** **(6.NS.C.2, 6.NS.C.3)** $3,920 \div 20 = 196$. The orchard needs 196 crates.
- 22) **The correct answer is 32.** **(6.RP.A.3)** Unit cost: $8 \div \frac{1}{4} = 8 \times 4 = 32$ dollars per gallon.
- 23) **Choice A is correct.** **(6.NS.C.3)** Multiply both by 10: $72 \div 8 = 9$.
- 24) **Choice A is correct.** **(6.NS.C.4C, 6.NS.C.4A, 6.NS.C.4B)** Factors of 27: 1, 3, 9, 27. Factors of 36: 1, 2, 3, 4, 6, 9, 12, 18, 36. Factors of 54: 1, 2, 3, 6, 9, 18, 27, 54. Common to all: 1, 3, 9. GCF is 9.
- 25) **Choice B is correct.** **(6.NS.C.4C)** A adds to 47 vs 48 on the expanded side—close call but not equal. B matches term by term ($18 + 42$). C wrongly lists $27 + 10$ instead of $27 + 15$, and D shortchanges 2×6 .
- 26) **Choice D is correct.** **(6.NS.D.7C)** A decrease of \$18 is represented as -18. The absolute value $|-18| = 18$ dollars represents the magnitude of the change.



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& answers

Cheer Squad Final Pep Talk

Hi, Math Star!

◇ 4 practice tests! That's a LOT of work, and you did it ALL. I am cheering so loud right now. You earned every clap and every cheer! ◇

★ **Cheerleader truth:** confidence is built by showing up. You showed up 4 times. That's real confidence. It is not pretend! ★

Cheer Roll Call

- **Effort:** 100% YOU SHOWED UP!
- **Heart:** BIG!
- **Skills:** STRONG and growing!
- **Spirit:** BRIGHT!

Cheer tip: on test day, be your own cheerleader. Whisper to yourself: "I can do this. I practiced." Tiny cheers make a big difference!

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

Jay Daie

Your Math Cheerleader

PRACTICE TODAY. SUCCEED TOMORROW!

This book includes 4 full-length Math practice tests and 2 online tests to help Grade 6 students build confidence, strengthen skills, and excel on standardized assessments.

Each practice test is carefully crafted to reflect the latest standards and includes a variety of question types, realistic test conditions, and detailed answer explanations.

Perfect for classroom use, homework, test preparation, and extra practice at home.

THIS BOOK INCLUDES:

4 Full-Length Printed Tests

2 Online Practice Tests

 Detailed Answer Explanations

 **MORE PRACTICE.
GREATER RESULTS.**

Give your child the tools to build strong math skills, confidence, and a positive attitude toward learning.

WHAT YOU'LL GAIN



Stronger Math Skills

Build a solid foundation through targeted practice and review.



Better Problem Solving

Develop logical thinking and effective solution strategies.



Deeper Understanding

Reinforce key concepts with clear explanations and meaningful practice.



Test Confidence

Familiarize with test formats and improve accuracy and speed.



Achieve Success

Build confidence and perform your best on test day.

TOPICS COVERED

- ✓ Ratios & Rates
- ✓ Percents
- ✓ The Number System
- ✓ Statistics & Probability
- ✓ Expressions & Equations
- ✓ Data Analysis
- ✓ Geometry
- ✓ Measurement & Conversions
- ✓ Fractions & Decimals
- ✓ And More!



2 ONLINE TESTS

Use these two additional online practice tests for extra review after the printed tests in this book.



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AND LEARNING RESOURCES



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