

10 Wyoming WY TOPP

GRADE
6
MATH

PRACTICE TESTS

Standards-Aligned Review
Mixed Practice & Answer Key



10 PRINTED TESTS

Realistic practice to build confidence and mastery



2 ONLINE TESTS

Extra practice for continued success



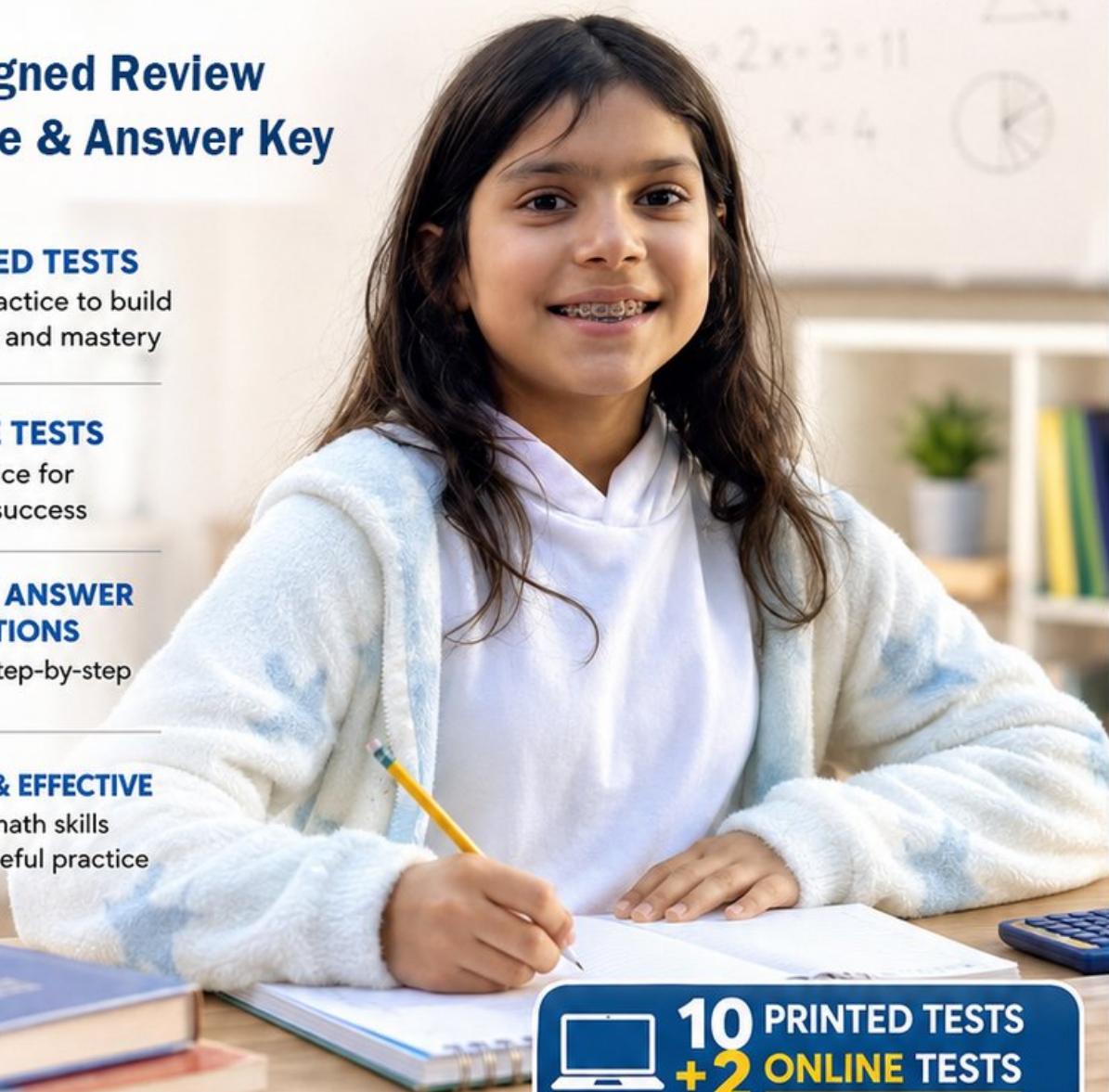
DETAILED ANSWER EXPLANATIONS

Learn with step-by-step solutions



FOCUSED & EFFECTIVE

Target key math skills with purposeful practice



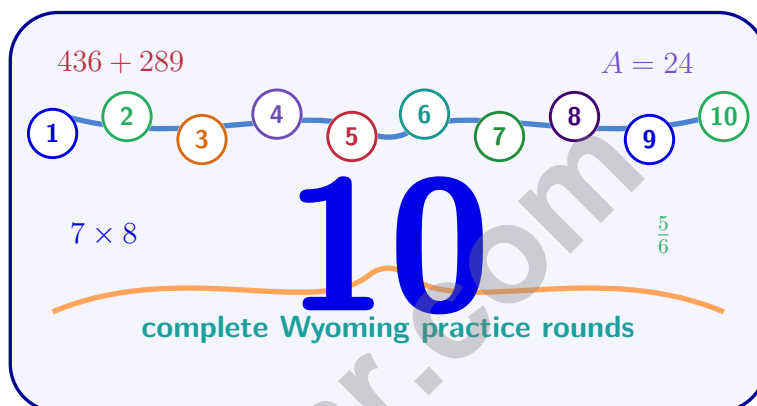
10 PRINTED TESTS
+ 2 ONLINE TESTS

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

PRACTICE • REVIEW • SUCCEED

10 Wyoming WY-TOPP Grade 6 Math Practice Tests

Standards-Aligned Clear-Range Reasoning for Wyoming Test of Proficiency and Progress



Ten complete 40-question Grade 6 practice rounds for WY-TOPP, 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!

Ten steady rounds on a high-plains review trail

This book gives you ten full Grade 6 practice tests for WY-TOPP. Each round uses wide ranges, mountain outlines, and independent math thinking 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

Keep the goal in sight while working through each step. 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 clear-range reasoning

1. **Preview the skills.** Read the quick review pages before the first test.
2. **Take one test at a time.** Work in a quiet place and answer all 40 questions.
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.

Wyoming review rhythm: Test one day, correct carefully the next day, then return for the next round when your corrections feel clear.



What Is Inside?

Ten WY-TOPP tests, 400 questions, and a full review path

Part	What You Will Practice
Tests 1–3	Warm-up rounds for ratios, rational numbers, operations, and careful reading.
Tests 4–6	Skill-building rounds with expressions, equations, geometry, data, and problem models.
Tests 7–9	Stamina rounds for mixed review, neat work, and flexible strategy choices.
Test 10	Final Wyoming round to show growth across the whole book.
Answer Pages	Compact keys and explanations that show why each answer works.

The tests are mixed on purpose. Clear-range reasoning means recognizing the skill even when the next question changes topic.



Scan me!
For more practice
& answers

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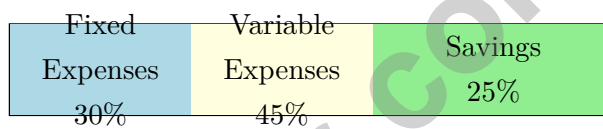
★ Practice Test 1	_____	14
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1) Divide 2,805 by 15.

- A. 187 C. 175
 B. 185 D. 195

2) Which relationship is shown by the equation $y = 7x$?

- A. Proportional; constant of proportionality is 7 C. Proportional; constant of proportionality is $1/7$
 B. Non-proportional; the constant is 7 D. Non-proportional; there is a 7-unit shift



Monthly Income = \$1000

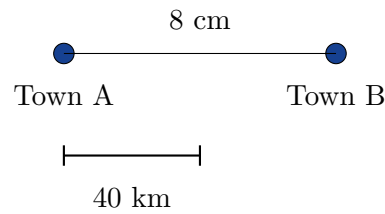
3)

Based on the budget bar above, which category has the highest dollar amount?

- A. Fixed Expenses (\$300) C. Savings (\$250)
 B. All three are equal. D. Variable Expenses (\$450)



- 4) A map shows two towns with a distance between them. The scale bar below indicates the distance.



What is the actual distance between the towns?

- A. 80 km C. 160 km
 B. 120 km D. 200 km
- 5) A mixer makes smoothies with yogurt and fruit in a 3 : 2 ratio. The table is incomplete. Fill in the blank:

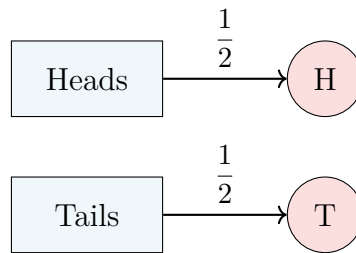
Yogurt (oz)	Fruit (oz)
3	2
?	4
12	8

- A. 4 C. 8
 B. 10 D. 6
- 6) Which two expressions are equivalent?
- A. $8(5 + 3)$ and $40 + 24$ C. $8(5 + 3)$ and $45 + 24$
 B. $8(5 + 3)$ and $8 + 8$ D. $8(5 + 3)$ and $40 + 3$



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7)

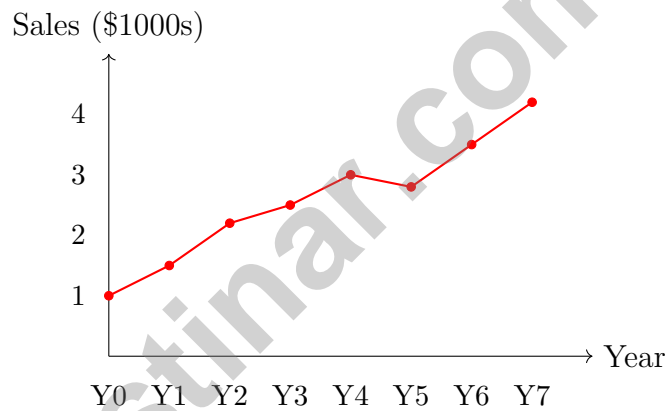


A fair coin is flipped. What is the probability of getting tails?

- A. 0
- B. 1

- C. $\frac{2}{3}$
- D. $\frac{1}{2}$

8)



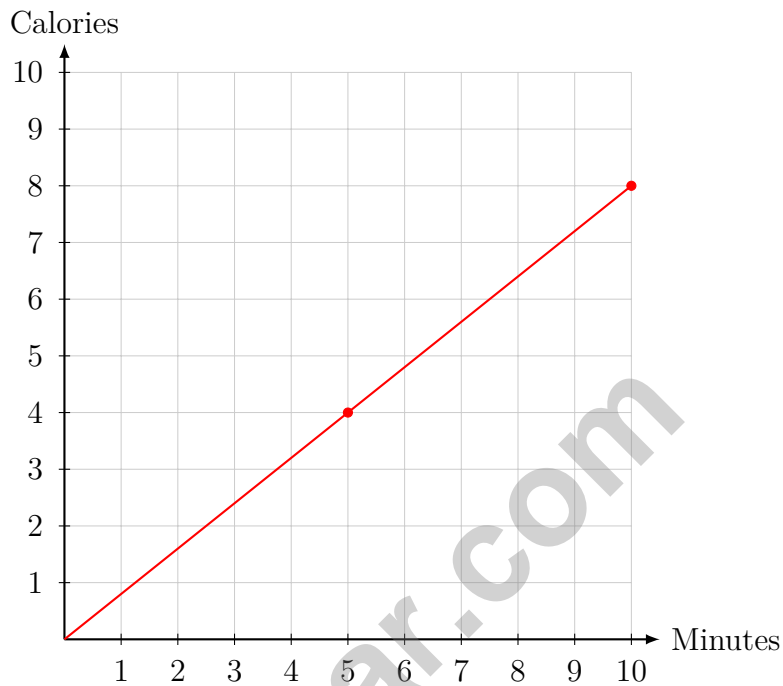
A business tracked sales (in thousands of dollars) over 7 consecutive years. Between which two consecutive years did sales DECREASE?

- A. Between years 3 and 4
- B. Between years 4 and 5

- C. Between years 5 and 6
- D. Between years 6 and 7



- 4) The graph below shows the relationship between minutes exercised and calories burned.



How many calories are burned per minute?

- 5) A question expects variability and requires collecting data from multiple sources. Which word BEST describes this question?

- A. Factual C. Quick
 B. Simple D. Statistical



1) What is the expanded form of 2^3 ?

A. $2 + 2 + 2$

B. 2×3

C. $2 \times 2 \times 2$

D. 3×3

2) Which percent equals $\frac{9}{10}$?

A. 9%

B. 19%

C. 90%

D. 99%

3)

Store	Original Price	Sale Price
Store A	\$50	\$40
Store B	\$60	\$42

Which store offers the larger percent discount?

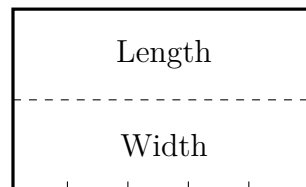
A. Store A (20% off)

B. Store B (30% off)

C. Store A (30% off)

D. Both offer the same discount

4) A rectangular garden is divided into a length-to-width ratio of 5 : 3. If the width is 12 feet, what is the length?



A. 20 feet

B. 18 feet

C. 15 feet

D. 24 feet



5) A ratio table shows books read to days:

Days	Books
2	3
4	6
6	?

Complete the table by finding the missing value.

6) A pencil is 150 millimeters long. How many centimeters long is the pencil? (Use 1 centimeter = 10 millimeters.)

- A. 15 cm C. 1.5 cm
 B. 1500 cm D. 150 cm

7) What is 6.3×0.9 ?

- A. 5.67 C. 0.567
 B. 56.7 D. 7.2

8) A school is organizing sports equipment. They have 16 soccer balls and 24 basketballs. They want to distribute them equally into bins with no equipment left over. What is the maximum number of bins needed?

- A. 4 bins C. 16 bins
 B. 40 bins D. 8 bins



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Wyoming WY-TOPP Practice Test Answer Keys

How to use this section with a Grade 6 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 A is correct.** (6.NS.D.7D) $2,805 \div 15 = 187$. Check: $15 \times 187 = 2,805$.
- Choice A is correct.** (6.EE.F.8) The equation $y = 7x$ represents a proportional relationship with constant of proportionality $k = 7$. The graph passes through the origin.
- Choice D is correct.** (6.RP.A.1) Fixed: $30\% \times \$1000 = \300 . Variable: $45\% \times \$1000 = \450 . Savings: $25\% \times \$1000 = \250 . Variable expenses is the largest.
- Choice C is correct.** (6.SP.J.5D) The scale bar represents 2 cm = 40 km. So 8 cm = $4 \times 40 = 160$ km.
- Choice D is correct.** (6.SP.J.4) The ratio is 3 : 2. When fruit is 4 (multiply by 2), yogurt is $3 \times 2 = 6$ oz.
- Choice A is correct.** (6.NS.B.1) $8(5 + 3) = 8 \cdot 5 + 8 \cdot 3 = 40 + 24$. Choice B gives $8 + 8 = 16$, so it is not equivalent.
- Choice D is correct.** (6.NS.C.3) A fair coin has 2 equally likely outcomes: heads and tails. Probability of tails = $\frac{1}{2}$.
- Choice B is correct.** (6.EE.E.3) Year 4 shows sales of 3 (at height 3), and year 5 shows sales of 2.8 (at height 2.8). Since $2.8 < 3$, sales decreased from year 4 to year 5.
- Choice C is correct.** (6.EE.E.2C) Both 32 and 40 are divisible by 8. Dividing both parts by 8 gives $\frac{32}{8} : \frac{40}{8} = 4 : 5$.
- Choice C is correct.** (6.EE.E.2C) For every 1 teaspoon of salt, there are 5 teaspoons of sugar. With 2 teaspoons of salt, multiply both parts by 2, giving 2 : 10.
- The correct answer is 24.** (6.RP.A.1) Width: $8 - 2 = 6$ units. Height: $6 - 2 = 4$ units. Area = $6 \times 4 = 24$ square units.
- Choice D is correct.** (6.SP.J.4) Multiply the monthly rate by 12 months: $35 \times 12 = 420$ dollars per year.
- Choice A is correct.** (6.NS.D.7C) Unit price is total cost divided by number of units: $\$12 \div 8 = \1.50 per pound.
- Choice B is correct.** (6.EE.E.2C) All these points lie on a straight line passing through (0,0) because the ratio is constant (12 dollars per hour). Proportional relationships always graph as straight lines through the origin.
- Choice A is correct.** (6.EE.F.8) $0.006 \times 100 = 0.6\%$.
- Choice B is correct.** (6.EE.G.9) 0.5% of $\$300,000 = 0.005 \times 300,000 = \$1,500$.
- Choice C is correct.** (6.G.H.1) Non-soccer players: $30 - 18 = 12$. Ratio $18 : 12$ simplifies to 3 : 2 by dividing by 6.
- The correct answer is A is correct: the coefficient of a is 7. E is correct: the coefficient of b is 2.** (6.G.H.2) A: Correct. B: Incorrect because the coefficient of $2b$ is 2, not b . C: Incorrect because the constant term is 9. D: Incorrect because there are only 3 terms ($7a, 2b, 9$). E: Correct.
- Choice A is correct.** (6.G.H.3) Multiply: $3 \times 1000 = 3000$ meters.
- The correct answer is 72.** (6.G.H.1) The sum is $72 + 68 + 75 + 71 + 74 = 360$, and $360 \div 5 = 72$.
- Choice D is correct.** (6.G.H.1) Olivia's total after w weeks: $\$250 + \$15w$. Nathan's total after w weeks: $\$100 + \$20w$. Set them equal: $250 + 15w = 100 + 20w$, so $150 = 5w$ and $w = 30$ weeks.
- Choice B is correct.** (6.NS.B.1) $5 \div \frac{5}{6} = 5 \times \frac{6}{5} = \frac{30}{5} = 6$.
- The correct answer is 4.** (6.SP.I.2) The ordered data: 2, 3, 4, 5, 100. The median (middle of 5 values) is the 3rd value: 4. Notice the outlier 100 does not affect the median.
- Choice B is correct.** (6.SP.J.5D) Since 7 and 11 are both prime and share no common factors, their LCM is their product: $7 \times 11 = 77$.
- Choice B is correct.** (6.SP.J.5C) A loss represents a decrease or negative change. A loss of 9 points is written as the integer -9 .
- Choice B is correct.** (6.NS.C.4C) The distance is $6 - (-6) = 12$ units, which is the largest among the choices.
- Choice C is correct.** (6.SP.J.4) -1.8 and -0.2 are negative (left of zero), and 1.4 is positive (right of zero).
- Choice D is correct.** (6.EE.E.2B) A positive x -coordinate ($p > 0$) and negative y -coordinate ($q < 0$) places a point in Quadrant IV (lower right).
- Choice C is correct.** (6.RP.A.1) From coldest to warmest: $-8 < -5 < 2$.
- The correct answer is 12.** (6.RP.A.1) The absolute deviations are 23, 8, 2, 12, 17. Their sum is 60, and $60 \div 5 = 12$.



Hi, Math Champion!

◇ You trained hard! 10 full practice tests is real practice. Your math game is way better now than when you started. ◇

★ **Coach's truth:** kids who practice get better. You practiced. You got better. That's how it works!
★

Your Game Stats

- **Energy:** HIGH! You can finish a long test.
- **Smart Plays:** You know lots of strategies.
- **Calm Head:** You stay cool with hard problems.
- **Game-Day Ready:** You feel strong and prepared.

Coach's tip: the night before the test, get good sleep. Eat a good breakfast. Bring a sharp pencil. Trust your training!

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

Jay Daie

Your Math Coach

PRACTICE MORE. ACHIEVE MORE. SUCCEED!

This **Grade 6 Math Practice Tests** book is designed to help students build strong math skills, deepen their understanding of key concepts, and gain the confidence they need to succeed on any test.

With 10 full-length printed tests and 2 online tests, students get the review, practice, and realistic test experience they need to improve accuracy, strengthen problem-solving abilities, and reach their full potential.

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

PERFECT FOR:

- ✓ Classroom Practice
- ✓ Homework & Review
- ✓ Independent Learning
- ✓ Test Preparation
- ✓ Skill Reinforcement
- ✓ Building Confidence



**CONFIDENCE TODAY.
SUCCESS TOMORROW!**

WHAT STUDENTS WILL GAIN



Stronger Math Skills

Build a solid foundation through targeted practice and review.



Better Problem Solving

Develop logical thinking and effective solution strategies.



Deepen Understanding

Reinforce key math concepts aligned with standards.



Test Confidence

Get familiar with test formats and improve accuracy.



Achieve Success

Build confidence and perform your best on test day.

TOPICS COVERED

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



2 ONLINE TESTS

Extra online practice to reinforce learning and build confidence.

MORE PRACTICE. GREATER RESULTS.

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



10 PRINTED
PRACTICE TESTS



2 ONLINE
PRACTICE TESTS



DETAILED ANSWER
EXPLANATIONS