

7

Wyoming

WY TOPP

GRADE 4 MATH

PRACTICE TESTS

Standards-Aligned Review with
Mixed Practice and Answer Key



7 Full-Length
Practice Tests



Standards-
Aligned



Build Confidence
and Skills



Mixed Question
Types

**ANSWER
KEY**

INCLUDED

$$\begin{array}{r} 25 \\ +37 \\ \hline 62 \end{array}$$

$$\begin{array}{r} 8 \times 7 \\ = \\ 56 \end{array}$$

7 Wyoming WY-TOPP Grade 4 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Seven complete 30-question Grade 4 practice rounds for WY-TOPP, built around open ranges, high plains, and careful test stamina, with answer keys and clear explanations for every item.

Jay Daie and Reza Nazari



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Welcome, Wyoming Math Explorer!

Seven steady rounds on the Cowboy State math route

This book gives you seven full Grade 4 practice tests for WY-TOPP. Each round uses open ranges, high plains, and careful test stamina to keep practice memorable while you read carefully, choose a strategy, show work, and check the answer.

Wyoming Practice Promise

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 Wyoming WY-TOPP review

1. **Preview the skills.** Read the quick review pages before the first test.
2. **Take one test at a time.** Treat each round like a stop on the Cowboy State math route.
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.

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



What Is Inside?

Seven tests, 210 questions, and a full WY-TOPP review path

Part	What You Will Practice
Tests 1–3	Warm-up rounds for reading carefully, choosing operations, and using models.
Tests 4–6	Skill-building rounds with fractions, measurement, area, data, and two-step problems.
Tests 5–7	Stamina rounds for mixed review, neat work, and flexible strategies.
Answer Pages	Compact keys and explanations that show why each answer works.

The tests are mixed on purpose. Real test readiness means recognizing the skill even when the next question changes topic.



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& answers

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1) A shape has the following attributes: four sides, four equal sides, and no right angles. Which shape could it be?

- A. Trapezoid C. Rhombus
 B. Rectangle D. Triangle

2) What is $2\frac{5}{10} + 1\frac{3}{10} + 1\frac{1}{10}$?

- A. $4\frac{8}{10}$ C. $5\frac{0}{10}$
 B. $4\frac{9}{10}$ D. $5\frac{1}{10}$

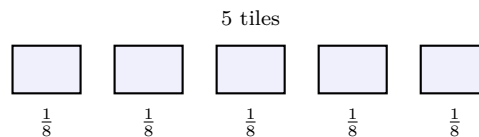
3) Which expanded form equals 0.34?

- A. $0.3 + 0.4$ C. $3 + 0.4$
 B. $0.3 + 0.04$ D. $3 + 4$

4) In the number 3,456, the digit 5 is in which place?

- A. Ones place C. Hundreds place
 B. Thousands place D. Tens place

5) A model shows 5 unit-fraction tiles. Each tile is $\frac{1}{8}$. What is the total?



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



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6) Leo has \$50. He buys a shirt for \$12 and pants for \$28. How much money does he have left?

A. \$10

B. \$16

C. \$22

D. \$40

7) How many 45° angles fit into a full circle?

A. 4

B. 6

C. 8

D. 12

8) What is 2,735 rounded to the nearest ten?

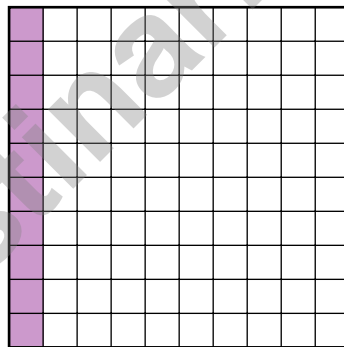
A. 2,730

B. 2,800

C. 2,700

D. 2,740

9) Ming shaded $\frac{1}{10}$ of a rectangle. How many hundredths is this?



1 column shaded out of 10 columns

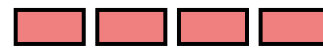
A. 1 hundredth

B. 10 hundredths

C. 100 hundredths

D. 11 hundredths





4 pieces, each $\frac{1}{2}$ pound

10)

Each piece above weighs $\frac{1}{2}$ pound. What is the total weight of all 4 pieces?

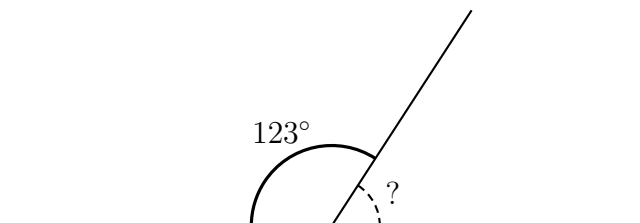
11) Which statement about a square and a regular hexagon is true?

- A. Both have 4 lines of symmetry D. A hexagon has fewer lines than a square
 B. Both have 6 lines of symmetry
 C. They have different numbers of lines of symmetry

12) Carmen ate $\frac{3}{8}$ of a pizza. Her brother ate $\frac{2}{8}$ of the same pizza. What fraction of the pizza did they eat altogether?

- A. $\frac{1}{8}$ C. $\frac{6}{8}$
 B. $\frac{5}{8}$ D. $\frac{5}{16}$

13) A straight line is marked at a point. On one side of the point, an angle measures 123° . What is the measure of the angle on the other side of the point?



- A. 123° C. 180°
 B. 57° D. 90°



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1) What is $6 \times \frac{1}{3}$?

A. $\frac{1}{18}$

B. $\frac{6}{3}$

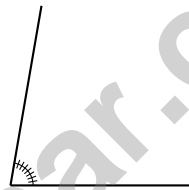
C. $\frac{2}{3}$

D. $\frac{3}{6}$

2) On a line plot with fourths, the data are: $\frac{1}{4}$ in, $\frac{2}{4}$ in, $\frac{2}{4}$ in, $\frac{2}{4}$ in, $\frac{3}{4}$ in, $\frac{3}{4}$ in. What measurement has the most X marks?



3)



Count the intervals from 0 to 80 in this angle. What is the measure?

A. 10°

B. 40°

C. 80°

D. 81°

4) Which is true?

A. $0.5 > \frac{6}{10}$

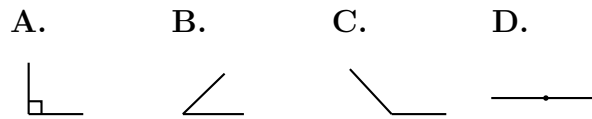
B. $0.5 < \frac{4}{10}$

C. $0.5 = \frac{5}{10}$

D. $0.5 = \frac{5}{100}$



5) Which diagram shows a right angle?



A. Diagram A

C. Diagram C

B. Diagram B

D. Diagram D

6) A protractor shows that two adjacent angles measure 63° and 117° . What is their sum?

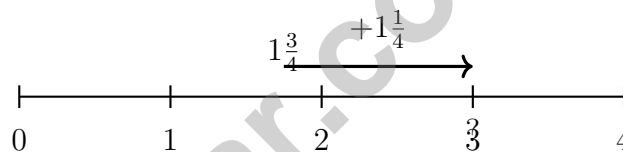
A. 54°

C. 180°

B. 117°

D. 200°

7)



Using the number line, what is $1\frac{3}{4} + 1\frac{1}{4}$?

A. 3

C. $2\frac{1}{4}$

B. $2\frac{3}{4}$

D. $3\frac{1}{4}$

8) Isha ran 0.86 miles. Patel ran 0.68 miles. Who ran farther?

A. Isha (0.86 miles)

C. They ran the same distance

B. Patel (0.68 miles)

D. Patel ran much farther



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& answers

1) An angle measures 145 degrees. How many one-degree angles make up this angle?

- A. 72.5 one-degree angles
- B. 145 one-degree angles
- C. 290 one-degree angles
- D. 14.5 one-degree angles

2) When placing a protractor on an angle, the vertex should be at:

- A. The 0-degree mark
- B. The center point of the protractor
- C. The top of the protractor
- D. Either the 0-mark or the center; they are the same

3) A school cafeteria prepares 24 trays of food. Each tray serves 12 people. How many people can be served?

4) Which number is less than 54,200?

- A. 54,300
- B. 54,200
- C. 55,200
- D. 54,100

5)



Toy A costs \$3. Toy B costs 3 times as much as Toy A. How much does Toy B cost?

- A. \$6
- B. \$15
- C. \$12
- D. \$9



6) Which statement correctly compares these two angles?

Angle 1



Angle 2



- A. Angle 1 is obtuse; Angle 2 is acute
- B. Angle 1 is acute; Angle 2 is obtuse
- C. Both angles are right angles
- D. Both angles are the same size
- 7) Which product equals $\frac{8}{12}$?

- A. $2 \times \frac{1}{12}$
- B. $4 \times \frac{1}{12}$
- C. $8 \times \frac{1}{12}$
- D. $12 \times \frac{1}{8}$

8) Compare the volumes. Which is smaller: 3 liters or 2,500 milliliters?

- A. 3 liters
- B. 2,500 milliliters
- C. They are the same size
- D. Cannot be determined
- 9) Which number is the smallest?

- A. 0.88
- B. 0.08
- C. 0.80
- D. 0.82

10) Look at the pattern: 4, 8, 12, 16, 20, ... What is the 12th term?



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Practice Test Answer Keys

How to use this section with a Grade 4 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 C is correct.** (4.G.L.2) A rhombus has four equal sides and two pairs of parallel sides but does not have right angles. These attributes match the shape described in the problem. The answer is **C**.
- Choice B is correct.** (4.NF.G.3) Add the wholes: $2 + 1 + 1 = 4$. Add the fractions: $\frac{5}{10} + \frac{3}{10} + \frac{1}{10} = \frac{9}{10}$. The sum is $4\frac{9}{10}$.
- Choice B is correct.** (4.NF.H.5) Break 0.34 into parts: 3 tenths (0.3) plus 4 hundredths (0.04) equals $0.3 + 0.04 = 0.34$.
- Choice D is correct.** (4.NBT.D.2) Reading from right to left: ones, tens, hundreds, thousands. The 5 is in the tens place ✓
- Choice C is correct.** (4.NF.G.4) Five eighths: $5 \times \frac{1}{8} = \frac{5}{8}$.
- Choice A is correct.** (4.MD.I.2) Step 1: Find total spent: $12 + 28 = 40$ dollars. Step 2: Subtract from \$50: $50 - 40 = 10$ dollars. Leo has \$10 left.
- Choice C is correct.** (4.MD.K.5A) Divide the full circle by the angle size: $360^\circ \div 45^\circ = 8$ angles fit exactly around.
- Choice D is correct.** (4.NBT.D.3) We're rounding to the nearest ten. Look at the ones digit: 5. Since $5 \geq 5$, we round UP! The tens digit goes from 3 to 4, giving us **2,740**. ✓
- Choice B is correct.** (4.NF.H.5) One whole column out of 10 is shaded, so $\frac{1}{10} = \frac{10}{100}$, which is 10 hundredths.
- The correct answer is 2.** (4.NF.G.4) All 4 pieces, each weighing $\frac{1}{2}$ pound, weigh $4 \times \frac{1}{2} = \frac{4}{2} = 2$ pounds total.
- Choice C is correct.** (4.G.L.3) A square balances 4 ways and a regular hexagon balances 6 ways. Since 4 and 6 are different, these shapes don't have the same number of lines of symmetry. The answer is They have different numbers of lines of symmetry.
- Choice B is correct.** (4.NF.G.3) They both ate pieces from the same pizza! Add them with like denominators: $\frac{3}{8} + \frac{2}{8} = \frac{5}{8}$ of the pizza altogether.
- Choice B is correct.** (4.MD.K.7) On a straight line, angles on both sides add to 180° . Subtract to find the other: $180^\circ - 123^\circ = 57^\circ$.
- Choice A is correct.** (4.MD.J.4) Count the occurrences: $\frac{1}{4}$ oz appears 3 times (the most!), $\frac{2}{4}$ oz once, and $\frac{3}{4}$ oz once. So $\frac{1}{4}$ oz has the tallest stack.
- The correct answer is A, D.** (4.NF.G.3) A: $3 + 4 = 7$ ✓. D: Seven unit tenths: $7 \times \frac{1}{10}$ ✓. Both work!
- Choice D is correct.** (4.MD.I.3) From $45 = 9 \times w$: Divide to get $w = 45 \div 9 = 5$ cm.
- Choice D is correct.** (4.OA.A.2) To find "how many times," divide the larger group by the smaller: $8 \div 2 = 4$. So Group B has 4 times as many counters as Group A.
- The correct answer is 3.** (4.NF.G.4) The denominator 10 tells us the unit fraction is $\frac{1}{10}$. The numerator 3 tells us how many of these unit fractions we have. So there are **3** tenths in $\frac{3}{10}$.
- Choice A is correct.** (4.NF.F.1) All three simplify to $\frac{1}{2}$: $\frac{2}{4} = \frac{1}{2}$, $\frac{3}{6} = \frac{1}{2}$, $\frac{5}{10} = \frac{1}{2}$. They're all equal!
- Choice D is correct.** (4.OA.A.3B) Two steps! Step 1: total pencils: 4 cases \times 50 pencils = 200. Step 2: share equally among 25 classrooms: $200 \div 25 = 8$ pencils each.
- Choice D is correct.** (4.OA.B.4C) We need a number that pairs with 3 to make 18. Ask: $3 \times ? = 18$. Since $3 \times 6 = 18$, the missing factor is **6**.
- The correct answer is 90.** (4.MD.K.5A) A straight angle is 180° and a right angle is 90° . Since $180 - 90 = 90$, the straight angle is **90** larger.
- Choice B is correct.** (4.MD.I.1) Since 1 meter = 100 centimeters, multiply: $3 \times 100 = 300$ cm. The answer is **300** cm.
- Choice D is correct.** (4.NBT.D.1) The digit 6 in the hundreds place is worth 600; in the thousands place, it's worth 6,000. The increase factor is $6,000 \div 600 = 10$. ✓
- Choice A is correct.** (4.NBT.E.4) The correct answer is $5,003 - 1,245 = 3,758$, not 4,758. The student did not regroup correctly across the zeros.
- Choice B is correct.** (4.NF.H.5) The tenths place is the same (5 tenths). Compare the hundredths: $0 < 1$, so $0.50 < 0.51$.



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Lab Notes for a Young Scientist

Hi, Curious Scientist!

◇ 7 tests. So many experiments! You tested ideas. You watched what worked. You learned a lot. That's how scientists work—and how you work! ◇

★ **Scientists know:** mistakes are facts, not failures. Every problem you missed taught you something. You used those facts to do better next time. ★

Lab Results

- **Hypothesis:** CONFIRMED! Practice makes you better.
- **Method:** STRONG! You try, watch, and adjust.
- **Data:** CAREFUL! You read and copy numbers right.
- **Conclusion:** READY! You can do this test.

Scientist tip: on test day, stay curious. Ask, "What is this asking?" Then experiment with your math tools. You will find the answer!

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

Jay Daie

Your Math Scientist

7 FULL-LENGTH TESTS TO MASTER GRADE 4 MATH!

This **Grade 4 Math Practice Tests** book provides the practice your child needs to build strong math skills, understand key concepts, and gain the confidence to succeed on every test.

With 7 full-length practice tests, a wide range of question types, and detailed answer explanations, students will improve accuracy, strengthen problem-solving abilities, and prepare for classroom success and beyond.



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- ✓ Test Preparation
- ✓ Confidence Building
- ✓ Skill Reinforcement

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SUCCESS FOR LIFE.

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.



Test Confidence

Become familiar with test-style questions and formats.



Track Progress

Measure growth across multiple practice tests.



Academic Success

Strengthen skills needed for future learning.

$$\begin{array}{r} 45 \\ -17 \\ \hline 28 \end{array}$$



$$7 \times 8 = 56$$

TOPICS COVERED

- ✓ Place Value & Number Sense
- ✓ Multi-Digit Addition & Subtraction
- ✓ Multiplication & Division
- ✓ Fractions & Equivalent Fractions
- ✓ Decimals & Comparing Numbers
- ✓ Geometry & Shapes
- ✓ Measurement & Data
- ✓ Perimeter & Area
- ✓ Word Problems
- ✓ Patterns & Algebraic Thinking
- ✓ Graphs & Data Interpretation
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Mixed Question Types



Answer Key Included