

3

Wyoming

WY TOPP

GRADE 4

MATH

PRACTICE TESTS

Standards-Aligned Review with
Mixed Practice and Answer Key



5 FULL-LENGTH
PRACTICE TESTS



STANDARDS-ALIGNED
REVIEW



MIXED PRACTICE
QUESTIONS



ANSWER KEY
INCLUDED

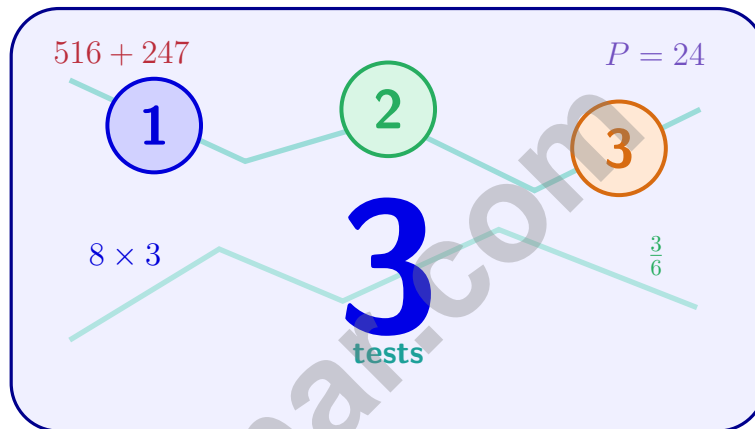
$$a^2 + b^2 = c^2$$

$$\frac{3}{4}$$



3 Wyoming WY-TOPP Grade 4 Math Practice Tests

Standards-Aligned Practice for Stronger Math Skills and Test Readiness



Three 30-question trail tests packed with Grade 4 review, Wyoming WY-TOPP strategy tips, answer keys, and step-by-step explanations that turn every miss into the next move.

Jay Daie and Reza Nazari



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Welcome, Wyoming Math Explorer!

Three steady rounds on the Cowboy State math route

This book gives you three full Grade 3 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?

Three tests, 90 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 1–3	Skill-building rounds with fractions, measurement, area, data, and two-step problems.
Tests 1–3	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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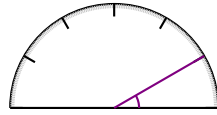
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- 1) A pie chart shows sections with angles of 90° , 80° , 60° , and 50° . What is the total angle measure of these four sections?
- A. 180° C. 280°
 B. 230° D. 360°
- 2) Which shows the error in this student work? The student said $\frac{1}{4} + \frac{1}{4} = \frac{2}{8}$.
- A. Should not add fractions with same denominators C. The correct answer is $\frac{2}{4}$, not $\frac{2}{8}$
 B. Adding the numerators and denominators separately (mistake) D. Cannot add fractions at all
- 3) Mason organized his trading cards by place value. He has 8 cards in the thousands group and 8 cards in the tens group. Which statement is true?
- A. The thousands cards have a value 1,000 times the tens cards. C. The values are equal.
 B. The tens cards have a value 10 times the thousands cards. D. The thousands cards have a value 100 times the tens cards.
- 4) A bottle of shampoo contains 5 liters. How many milliliters is this?
- A. 500 C. 50,000
 B. 5,000 D. 500,000
- 5) Alex has 7 pencils. Jordan has 3 times as many pencils. How many pencils does Jordan have?
- A. 10 C. 7
 B. 4 D. 21



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6)



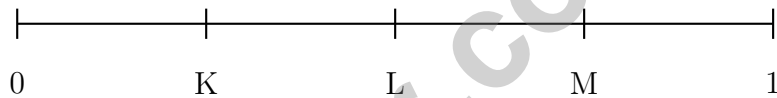
What is the measure of the angle shown?

- A. 30 degrees
- B. 45 degrees
- C. 60 degrees
- D. 90 degrees

7) Estimate the quotient of $4,156 \div 4$ using compatible numbers.

- A. About 1,000
- B. About 800
- C. About 1,100
- D. About 1,200

8) Where is 0.55 located on this number line?



- A. At K
- B. Between K and L
- C. At L
- D. Between L and M

9) Round 26,734 to the nearest hundred.

10) Which number sentence correctly shows decomposing a fraction into unit fractions?

A. $\frac{6}{8} = \frac{1}{8} + \frac{5}{8}$

C. $\frac{6}{8} = \frac{2}{8} + \frac{2}{8} + \frac{2}{8}$

B. $\frac{6}{8} = \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8}$

D. $\frac{6}{8} = \frac{6}{16}$

11) Which list shows ALL the factors of 48?

 A. 1, 2, 4, 6, 8, 12, 24, 48

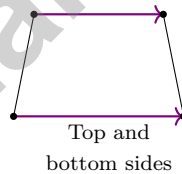
 C. 1, 2, 3, 4, 6, 8, 12, 24, 48

 B. 1, 2, 3, 4, 6, 8, 12, 16, 24, 48

 D. 2, 3, 4, 6, 8, 12, 24, 48

12) Find $6\frac{5}{8} - 3\frac{7}{8}$.

13) Look at the quadrilateral. Which pair of sides are parallel?


 A. Top and bottom

 C. All four sides

 B. Left and right

 D. No sides are parallel

14) Henry jumps $\frac{1}{2}$ meter 9 times. How far does he jump altogether?

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

 C. $\frac{9}{1}$ meter

 B. $\frac{9}{2}$ meters or $4\frac{1}{2}$ meters

 D. $\frac{10}{2}$ meters


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1) What is $72 \div 8$?

2) What is $2\frac{5}{8} + 1\frac{3}{8}$?

A. $3\frac{6}{8}$

B. 4

C. $3\frac{7}{8}$

D. $2\frac{8}{8}$

3) $\frac{4}{5}$ can be written as the sum of four unit fractions:

A. $\frac{1}{5} + \frac{1}{5} + \frac{1}{5} + \frac{1}{5}$

B. $\frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4}$

C. $\frac{1}{5} + \frac{2}{5} + \frac{1}{5} + \frac{1}{5}$

D. $\frac{1}{5} + \frac{1}{5} + \frac{1}{5} + \frac{2}{5}$

4) An angle measures 75° . This angle must be:

 A. Obtuse B. A straight angle C. Acute D. A right angle

5) A rope is 12 feet long. How many yards is this?

A. 2

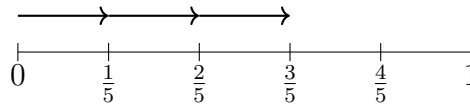
B. 3

C. 4

D. 6

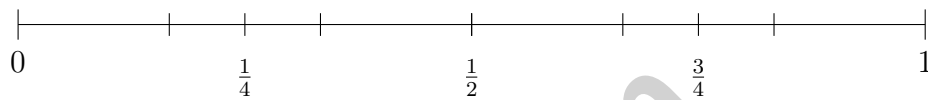


- 6) Use the number line to find $3 \times \frac{1}{5}$.



- A. $\frac{3}{5}$
 C. $\frac{1}{5}$
 B. $\frac{1}{15}$
 D. $\frac{5}{3}$

- 7) Use the number line to find which inequality is correct.



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

- 8) How many lines of symmetry does a regular octagon (8-sided polygon) have?

- A. 4
 C. 8
 B. 6
 D. 10

- 9) A quadrilateral has two pairs of parallel sides and four right angles, but the sides are not all equal. What is it?

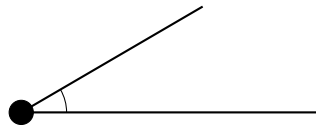
- A. Square
 C. Rhombus
 B. Rectangle
 D. Trapezoid

- 10) In 130,800, what digit is in the hundreds place?



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1)



Which statement is true about this angle?

- A. It is larger than a right angle C. It is equal to a right angle
 B. It is smaller than a right angle D. It is a straight angle

2) A juice box contains $\frac{1}{3}$ liter. How many liters are in 7 juice boxes?

- A. $\frac{1}{21}$ liter C. $\frac{7}{21}$ liter
 B. $\frac{7}{3}$ liters (or $2\frac{1}{3}$ liters) D. $\frac{3}{7}$ liter

3) A toy costs \$15. If Maya buys 5 toys, how much money does she spend in total?

4) Jayden read $2\frac{1}{8}$ chapters in the morning, $3\frac{4}{8}$ chapters in the afternoon, and $1\frac{2}{8}$ chapters in the evening. How many chapters did he read in total?

- A. $6\frac{7}{8}$ chapters C. $6\frac{5}{8}$ chapters
 B. $6\frac{6}{8}$ chapters D. $7\frac{1}{8}$ chapters

5) Students recorded the thickness of books using fourths of an inch. The data are: $\frac{2}{4}$, $\frac{3}{4}$, $\frac{2}{4}$, $\frac{2}{4}$. If you plot this data, how many X marks will be above $\frac{2}{4}$?

- A. 1 C. 3
 B. 2 D. 4



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6) A farm sells 2,160 eggs in cartons of 6 eggs each. How many cartons can they fill?

7) A bakery sold 12,345 cookies on Monday and 8,567 cookies on Tuesday. How many cookies did they sell in total?

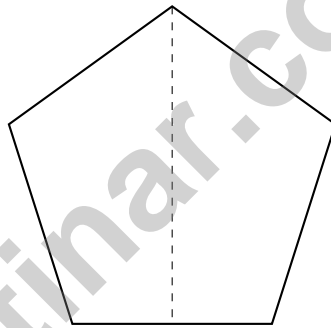
A. 20,912

C. 20,812

B. 21,012

D. 21,112

8) A regular pentagon has 5 sides. How many lines of symmetry does it have?



A. 0

C. 3

B. 2

D. 5

9) Find $\frac{5}{6} + \frac{1}{6}$.



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.MD.K.7)** The pie chart shows four sections. Add them all: $90^\circ + 80^\circ + 60^\circ + 50^\circ = 280^\circ$.
- Choice B is correct.** **(4.NF.G.4)** When adding fourths, the denominator stays the same! $\frac{1}{4} + \frac{1}{4} = \frac{2}{4}$, not $\frac{2}{8}$. The student mistakenly added the denominators.
- Choice D is correct.** **(4.NBT.D.1)** Mason's thousands cards are worth $8 \times 1,000 = 8,000$; tens cards are worth $8 \times 10 = 80$. The ratio is $8,000 \div 80 = 100$ times. ✓
- Choice B is correct.** **(4.MD.I.1)** Since 1 liter = 1,000 milliliters, multiply: $5 \times 1,000 = 5,000$ mL. The answer is **5,000** mL.
- Choice D is correct.** **(4.OA.A.2)** "3 times as many" is a multiplication signal. Jordan has 3 groups of Alex's 7 pencils: $7 \times 3 = 21$ pencils.
- Choice A is correct.** **(4.MD.K.6)** One ray sits on the baseline at 0° , and the other ray points to the 30° mark. Since $30^\circ < 90^\circ$, this is an acute angle. The answer is **30** degrees.
- Choice A is correct.** **(4.NBT.E.6)** We round 4,156 to the compatible number 4,000 (a number that divides nicely by 4). Since $4,000 \div 4 = 1,000$, the quotient is about **1,000**. Why "compatible"? It makes mental math easy.
- Choice D is correct.** **(4.NF.H.5)** Look at the number line: L is at 0.50 and M is at 0.75. Since 0.55 falls between these, it's in the region between L and M.
- The correct answer is 26,700.** **(4.NBT.D.3)** We're rounding to the nearest hundred. Look at the tens digit: 3. Since $3 < 5$, round DOWN. The answer is **26,700**. ✓
- Choice B is correct.** **(4.NF.G.3)** To decompose means to break apart. Breaking $\frac{6}{8}$ into unit fractions means showing it as a sum of $\frac{1}{8}$'s: $\frac{6}{8} = \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8}$.
6 copies
- Choice B is correct.** **(4.OA.B.4C)** Walk through the factor pairs of 48: 1×48 , 2×24 , 3×16 , 4×12 , 6×8 . Combine both sides: **1, 2, 3, 4, 6, 8, 12, 16, 24, 48** (10 factors). Choice A misses 3 and 16; choice C misses 16; choice D misses 1.
- The correct answer is $2\frac{6}{8}$.** **(4.NF.G.3)** Since $\frac{5}{8} < \frac{7}{8}$, regroup: $6\frac{5}{8} = 5\frac{13}{8}$. Then subtract: $5\frac{13}{8} - 3\frac{7}{8} = 2\frac{6}{8}$.
- Choice A is correct.** **(4.G.L.2)** The purple arrows indicate which sides are parallel. The arrows on the top and bottom sides show they are parallel to each other. The answer is **A**.
- Choice B is correct.** **(4.NF.G.4)** Henry jumps $\frac{1}{2}$ meter 9 times. Multiply: $9 \times \frac{1}{2} = \frac{9 \times 1}{2} = \frac{9}{2} = 4\frac{1}{2}$ meters. The answer is $4\frac{1}{2}$ meters.
- The correct answer is A, B.** **(4.NF.F.1)** Options A and B are equivalent: $\frac{1}{3} = \frac{1 \times 2}{3 \times 2} = \frac{2}{6}$ ✓ The others don't match: $\frac{1}{4}$ (different), $\frac{2}{7}$ (different), and $\frac{3}{6} = \frac{1}{2}$ (half, not a third).
- Choice C is correct.** **(4.MD.I.3)** Poster area = $16 \times 10 = 160$ sq in.
- Choice C is correct.** **(4.OA.B.4C)** Count circles: Figure 1 has 3, Figure 2 has 5, Figure 3 has 7. Each time adds 2 circles. So Figure 4 has $7 + 2 = 9$ circles.
- Choice C is correct.** **(4.MD.K.5A)** The angle spans from 0° (rightward) to 135° , measuring 135° .
- Choice A is correct.** **(4.G.L.1)** Parallel lines are like train tracks — they go the same direction and never bump into each other. The matching tick marks on Diagram A confirm these lines stay the same distance apart forever.
- Choice B is correct.** **(4.NF.G.4)** A plant needs $\frac{1}{2}$ cup of water each day. Over 9 days, it needs $9 \times \frac{1}{2} = \frac{9}{2}$ cups.
- Choice C is correct.** **(4.OA.A.2)** The bar model shows the park's bar is 3 equal pieces, each the size of the garden's 10 rose bushes. Multiply: $3 \times 10 = 30$ rose bushes.
- Choice A is correct.** **(4.NF.F.1)** $\frac{2}{100}$ is tiny (close to 0), while $\frac{99}{100}$ is almost 1. So $\frac{2}{100} < \frac{99}{100}$. The benchmark fractions 0 and 1 show the comparison clearly.
- Choice B is correct.** **(4.MD.I.2)** Each bottle holds 12 fl oz. He buys 5 bottles, so multiply: $5 \times 12 = 60$ fl oz. He buys **60** fluid ounces total.
- Choice D is correct.** **(4.NBT.E.4)** Round each number to the nearest thousand: $26,345 \approx 26,000$ and $8,912 \approx 9,000$. Subtract: $26,000 - 9,000 = 17,000$.



Hi, Brave Explorer!

◇ What a trip! You explored 3 full tests. You went to many math places: multiplication, fractions, area, time, and more. ◇

★ **Smart explorers know:** every trip teaches something. Through 3 tests, you learned a lot. You are a stronger math explorer now. ★

Your Explorer Tools

- **Map Reading:** You read problems carefully.
- **Trail Skills:** You take steps in the right order.
- **Backpack:** You have many math tools.
- **Brave Heart:** You explore even hard problems.

Explorer tip: on test day, use the tools you packed. You have the skills. You are ready!

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

Jay Daie

Your Math Trail Guide

PRACTICE TODAY. SUCCEED TOMORROW!

This **Grade 4 Math Practice Tests** book is designed to help students build strong math skills, master key concepts, and gain the confidence they need to excel on any test.

With 3 full-length practice tests, a variety of question types, and detailed answer explanations, students get the review and practice they need to strengthen problem-solving skills and achieve their best.

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

PERFECT FOR:

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

★ 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.



Test Confidence

Become familiar with test-style questions and formats.



Prepare for Success

Build the confidence needed to do your best on test day.

TOPICS COVERED

- ✓ Place Value & Number Sense
- ✓ Addition & Subtraction
- ✓ Multiplication & Division
- ✓ Fractions & Decimals
- ✓ Measurement & Data
- ✓ Geometry & Shapes
- ✓ Perimeter & Area
- ✓ Word Problems
- ✓ Patterns & Algebraic Thinking
- ✓ And More!



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QUESTIONS



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