

9 Wyoming WY TOPP

GRADE 4

MATH

PRACTICE TESTS

Standards-Aligned Review with
Mixed Practice and Answer Key



**9 FULL-LENGTH
PRACTICE TESTS**



**STANDARDS-ALIGNED
REVIEW**



**MIXED PRACTICE
BUILD SKILLS & CONFIDENCE**



**ANSWER KEY
FOR ALL TESTS**



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



$$725 - 358 = 367$$

PREPARE
PRACTICE
SUCCEED
PERFORM

**PRACTICE TODAY.
SUCCEED TOMORROW.**

9 Wyoming WY-TOPP Grade 4 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Nine 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!

Nine steady rounds on the Cowboy State math route

This book gives you nine 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?

Nine tests, 270 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 7–9	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) Write 0.7 as a fraction with denominator 10.

- A. $\frac{7}{100}$
 B. $\frac{70}{100}$

- C. $\frac{7}{10}$
 D. $\frac{70}{10}$

2) A roll of tape has $\frac{1}{8}$ meter of tape. How much tape is on 6 rolls?

- A. $\frac{1}{48}$ meter
 B. $\frac{6}{8}$ meters (or $\frac{3}{4}$ meters)

- C. $\frac{6}{48}$ meter
 D. 6 meters

3) A school orders supplies. They buy 120 notebooks at \$1 each and 80 pens at \$2 each. (Ignore the cost; just count items.) They distribute items equally to 10 classrooms. How many items does each classroom get?

- A. 12 items
 B. 16 items

- C. 25 items
 D. 20 items

4) Add: $\frac{2}{10} + \frac{35}{100}$. Express your answer as a fraction with denominator 100.

5) A school library has 12 books about animals. It has 4 times as many books about sports. How many sports books does the library have?

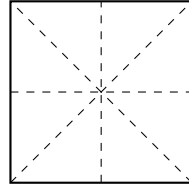
- A. 16
 B. 32

- C. 42
 D. 48



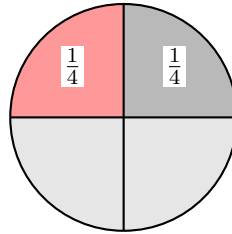
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- 6) Look at this square with all lines of symmetry drawn as dashed lines. Are all of these lines correct?



- A. Yes, all are correct
- B. No, only the vertical and horizontal are correct
- C. No, the diagonals are not lines of symmetry
- D. No, the square has no lines of symmetry
- 7) There are 5 red ribbons. There are 4 times as many blue ribbons. How many ribbons in total?
- A. 20
- B. 9
- C. 15
- D. 25
- 8) How many degrees is a half turn around a circle?
- A. 90°
- B. 180°
- C. 270°
- D. 360°
- 9) In the number 7,777, the digit 7 in the thousands place is how many times the value of the digit 7 in the ones place?
- A. 10
- B. 100
- C. 1,000
- D. 10,000





10)

remaining

A pie is divided into 4 equal slices. Two slices are shown (each $\frac{1}{4}$ of the pie). What fraction of the pie remains?

A. $\frac{2}{4}$

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

C. $\frac{3}{4}$

D. $\frac{3}{8}$

11) Sam has 5 liters of juice. He uses 2 liters to make punch. How many liters of juice does he have left?

A. 2 L

B. 3 L

C. 5 L

D. 7 L

12) Solve: $\frac{8}{12} + \frac{3}{12} = ?$

A. $\frac{11}{24}$

B. $\frac{11}{12}$

C. $\frac{5}{12}$

D. $1\frac{2}{12}$

13) A pattern shows every third multiple of 4. Which list shows this pattern?

A. 4, 8, 12, 16, 20

B. 8, 16, 24, 32, 40

C. 4, 12, 20, 28, 36

D. 12, 24, 36, 48, 60

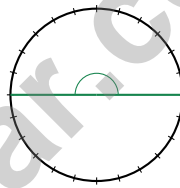


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1) Look at the letter U below. Where is its line of symmetry?



- A. Horizontally across the middle C. Diagonally from corner to corner
 B. Vertically down the middle D. It has no line of symmetry



2)

A straight angle is shown with degree tick marks. How many one-degree angles form a straight angle?

- A. 90 one-degree angles C. 270 one-degree angles
 B. 180 one-degree angles D. 360 one-degree angles

3) How many times does 7 go into 2,849?

- A. 407 C. 413
 B. 410 D. 417



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4) Express 0.23 as a fraction.

- A. $\frac{23}{10}$
 B. $\frac{23}{100}$

- C. $\frac{2}{3}$
 D. $\frac{23}{1000}$

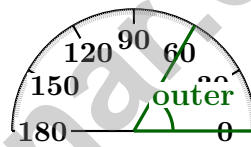
5) Calculate $4 \times \frac{2}{3}$ as a mixed number.

6) What is 39,845 rounded to the nearest ten thousand?

- A. 30,000
 B. 39,000

- C. 40,000
 D. 50,000

7)



When using a protractor, you have two scale choices (inner and outer). If the angle is opened towards the right side of the protractor, which scale should you use?

- A. Always use the inner scale
 B. Use the outer scale
 C. Use the scale that starts at 180 on the side where the angle opens
- D. It does not matter which scale you use



1) Write a fraction that is equivalent to $\frac{1}{4}$.

2) The area of a rectangle is found using length \times width. If the length is 18 and width is 16, what is the area?

- A. 208
- B. 324

- C. 244
- D. 288

Mira: 6 books



Raj: 2 times

3)

Mira has 6 books. Raj has 2 times as many books as Mira. How many books does Raj have?

- A. 8
- B. 10

- C. 14
- D. 12

Th	H	T	O
2	3	4	1

4)

This place-value chart shows the first number. If you add 1,234 to it, what is the sum?

- A. 3,575
- B. 3,465

- C. 3,565
- D. 3,475

5) Which letter has no line of symmetry?

A. *S*

C. *U*

B. *T*

D. *W*

6) Which shows the same value in all three forms?

A. $\frac{8}{10}$, 0.8, 0.08

C. $\frac{8}{100}$, 0.8, 8 hundredths

B. $\frac{80}{100}$, 0.8, 0.80

D. $\frac{8}{10}$, 0.10, $\frac{80}{100}$

7) Compare the angles shown. Which statement is true?

Angle A



Angle B



A. Angle A is larger than Angle B

D. Cannot be determined from the diagram

B. Angle B is larger than Angle A

C. Both angles are equal

8) How many copies of $\frac{1}{10}$ are in $\frac{9}{10}$?



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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

- 1) **Choice C is correct.** **(4.NF.H.5)** 0.7 is zero point seven, which is read as seven tenths. That means $0.7 = \frac{7}{10}$.
- 2) **Choice B is correct.** **(4.NF.G.4)** Six rolls of tape, each with $\frac{1}{8}$ meter, contain $6 \times \frac{1}{8} = \frac{6}{8}$, which simplifies to $\frac{3}{4}$ meters.
- 3) **Choice D is correct.** **(4.OA.A.3B)** Watch out for extra information! The prices are not needed—just count items. Step 1: total items: $120 + 80 = 200$. Step 2: divide equally: $200 \div 10 = 20$ items per classroom.
- 4) **The correct answer is $\frac{55}{100}$.** **(4.NF.H.5)** First, change $\frac{2}{10}$ to hundredths: $\frac{2}{10} = \frac{20}{100}$. Now add: $\frac{20}{100} + \frac{35}{100} = \frac{55}{100}$.
- 5) **Choice D is correct.** **(4.OA.A.2)** “4 times as many” is a multiplication signal: $4 \times 12 = 48$. *Tip:* $4 \times 10 = 40$ and $4 \times 2 = 8$, so $40 + 8 = 48$ sports books.
- 6) **Choice A is correct.** **(4.G.L.3)** This square shows all four lines of symmetry: a vertical line down the middle, a horizontal line across the middle, and both diagonal lines corner-to-corner. Each one divides the square into two perfect matching halves! The answer is Yes, all are correct.
- 7) **Choice D is correct.** **(4.OA.A.2)** Two steps! First find the blue ribbons: $5 \times 4 = 20$. Then add the red ribbons to get the total: $5 + 20 = 25$ ribbons in all.
- 8) **Choice B is correct.** **(4.MD.K.5A)** A half turn is $\frac{1}{2}$ of the full circle: $\frac{1}{2} \times 360^\circ = 180^\circ$.
- 9) **Choice C is correct.** **(4.NBT.D.1)** The 7 in the thousands place is worth 7,000. The 7 in the ones place is worth 7. Since $7,000 \div 7 = 1,000$, the answer is **1,000** times. ✓
- 10) **Choice A is correct.** **(4.NF.G.3)** The circle picture shows a pie cut into 4 equal slices. Step 1: Two slices are shown: $\frac{1}{4} + \frac{1}{4} = \frac{2}{4}$. Step 2: The remaining slices: $\frac{4}{4} - \frac{2}{4} = \frac{2}{4}$.
- 11) **Choice B is correct.** **(4.MD.I.2)** Sam starts with 5 liters and uses 2 liters for punch. Subtract to find what’s left: $5 - 2 = 3$ liters. He has **3** liters remaining.
- 12) **Choice B is correct.** **(4.NF.G.3)** Add the numerators: $8 + 3 = 11$. With the same denominator, we get $\frac{11}{12}$.
- 13) **Choice D is correct.** **(4.OA.B.4C)** Every third multiple of 4: the 3rd is 12, the 6th is 24, the 9th is 36. These are 12, 24, 36, 48, 60, ... (multiples of 12). ✓
- 14) **Choice C is correct.** **(4.OA.B.4C)** Divisibility rule for 3: *add the digits*; if that sum divides by 3, the number does too. For 48: $4 + 8 = 12$, and $12 \div 3 = 4$. So $48 \div 3 = 16$. The others fail: $25 \rightarrow 2 + 5 = 7$, $34 \rightarrow 7$, $55 \rightarrow 10$ (none divisible by 3).
- 15) **Choice A is correct.** **(4.NBT.E.6)** Long division: $2 \div 2 = 1$, bring down the 1 to get $1 \div 2 = 0$ r1, bring down the 5 to get $15 \div 2 = 7$ r1, bring down the 6 to get $16 \div 2 = 8$. The quotient is **1,078**.
- 16) **Choice C is correct.** **(4.NF.F.1)** Check each against $\frac{1}{2}$: $\frac{3}{5} > \frac{1}{2}$, $\frac{3}{6} = \frac{1}{2}$, $\frac{4}{6} > \frac{1}{2}$. But $\frac{2}{5} < \frac{1}{2}$ because $\frac{2}{5} = \frac{4}{10} < \frac{5}{10} = \frac{1}{2}$.
- 17) **The correct answer is A, E.** **(4.MD.K.6)** Statements A and E are both correct definitions of angle types. B is incorrect because protractors measure angles, not length in centimeters. C is incorrect because a straight angle measures 180 degrees, not 90 degrees. D is incorrect because the vertex must be placed at the center point of the protractor, not at the curved edge.
- 18) **The correct answer is 2.** **(4.G.L.1)** A line segment has exactly two endpoints — where it starts and where it ends.
- 19) **Choice B is correct.** **(4.MD.J.4)** Let us count: $\frac{2}{8}$ cup appears 2 times, $\frac{3}{8}$ cup appears 3 times, and $\frac{4}{8}$ cup appears 1 time. So $\frac{3}{8}$ cup is the most common.
- 20) **Choice A is correct.** **(4.MD.K.5A)** This angle has a small opening, smaller than a right angle, so it is acute.
- 21) **Choice C is correct.** **(4.MD.I.3)** Perimeter is the distance around the rectangle: $P = 2(5) + 2(3) = 10 + 6 = 16$ cm.
- 22) **Choice B is correct.** **(4.NF.H.5)** From the table: 6 tenths = 0.6 and 2 hundredths = 0.02. Add them: $0.6 + 0.02 = 0.62$.
- 23) **Choice A is correct.** **(4.NF.G.4)** When we multiply $2 \times \frac{1}{3}$, we’re taking 2 copies of $\frac{1}{3}$, which gives us $\frac{2}{3}$. Picture A shows one whole divided into thirds with exactly 2 parts shaded. This is Picture A.
- 24) **Choice C is correct.** **(4.MD.K.5A)** A full circle is a 360° angle—it turns through **360** one-degree angles.
- 25) **The correct answer is 135.** **(4.MD.K.7)** The hand rotates in two steps. Add both angles: $90^\circ + 45^\circ = 135^\circ$.
- 26) **Choice C is correct.** **(4.NF.G.4)** The table shows multiples of $\frac{1}{3}$. The 3rd multiple is $3 \times \frac{1}{3} = \frac{3}{3}$.
- 27) **Choice A is correct.** **(4.NF.F.1)** Multiply the numerator and denominator by 2: $\frac{3}{5} = \frac{3 \times 2}{5 \times 2} = \frac{6}{10}$.



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Ahoy, Math Sailor!

◇ You sailed through 9 full tests. Some waters were calm. Some waters were rough. You kept your boat steady the whole way. ◇

★ **Captain's truth:** good sailors stay calm. They use the wind. They check the map. You did all those things on every test. ★

Sailor's Skills

- **Steady Hand:** You stay calm even when problems are tricky.
- **Map Skills:** You read each problem carefully.
- **Brave Spirit:** You believe in yourself.
- **Safe Harbor:** You finish what you start.

Captain's tip: on test day, sail steady. Trust the map you built through 9 practice tests. You will reach safe harbor!

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

Jay Daie

Your Math Captain

PRACTICE TODAY. ACHIEVE TOMORROW!

This **Grade 4 Math Practice Tests** book is designed to help students strengthen essential math skills, build confidence, and develop the problem-solving abilities needed for classroom success and test readiness.

With 9 full-length practice tests, students gain repeated exposure to important Grade 4 concepts while learning how to approach questions with accuracy, confidence, and strong mathematical thinking.

Whether used at home, in the classroom, or for independent review, this book provides meaningful practice that helps students grow stronger with every test.

PERFECT FOR:

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

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SUCCESS FOR LIFE.

WHAT STUDENTS WILL GAIN



Stronger Math Skills

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Better Problem Solving

Develop logical thinking and effective solution strategies.



Test Confidence

Become familiar with test-style questions and formats.



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Measure growth across multiple practice tests.



Academic Success

Strengthen skills needed for future learning.

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- ✓ Multi-Digit Addition & Subtraction
- ✓ Multiplication & Division
- ✓ Fractions & Equivalent Fractions
- ✓ Geometry & Shapes
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- ✓ Perimeter & Area
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