

8 Wyoming WY TOPP GRADE 4



PRACTICE TESTS



Standards-Aligned Review with
Mixed Practice and Answer Key

**COMPREHENSIVE
TEST PREP**

Includes Solutions

8 Wyoming WY-TOPP Grade 4 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Eight 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!

Eight steady rounds on the Cowboy State math route

This book gives you eight 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?

Eight tests, 240 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 6–8	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.

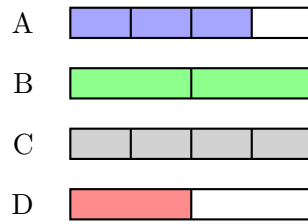


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& answers

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5) Which picture shows $\frac{3}{4}$ as a sum of unit fractions?



A. 3 of 4 parts

C. 4 of 4 parts

B. 2 of 2 parts

D. 1 of 2 parts

6) Which area model correctly shows 31×17 ?

A.

30	1
10	7

B.

30	1
10	8

C.

30	7
1	10

D.

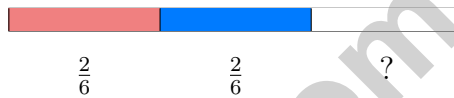
30	1
10	6



7) A rectangular table is 5 feet long and 3 feet wide. What is the perimeter of the table?

- A. 8 ft C. 16 ft
 B. 15 ft D. 30 ft

8) How many positive factors does 40 have?



9)

A fabric strip shows three equal parts. The red part is $\frac{2}{6}$ and the blue part is $\frac{2}{6}$. What fraction is white?

- A. $\frac{2}{6}$ C. $\frac{1}{6}$
 B. $\frac{4}{6}$ D. $\frac{3}{6}$

10) A pattern follows the rule “add 3.” If the second term is 10, what is the first term?

- A. 6 C. 13
 B. 15 D. 7

11) An angle of 156° is split into two smaller angles. If one angle is 89° , what is the measure of the other angle?



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1) A plant's growth was measured five times in eighths: $\frac{3}{8}$ in, $\frac{5}{8}$ in, $\frac{2}{8}$ in, $\frac{5}{8}$ in, $\frac{3}{8}$ in. What is the difference between the largest and smallest growth measurement?

- A. $\frac{1}{8}$ in C. $\frac{3}{8}$ in
 B. $\frac{2}{8}$ in D. $\frac{4}{8}$ in

2) A carpenter measures an angle made by two boards. The angle is split by a third board into parts measuring 38° and 52° . What is the total angle measure?

- A. 14° C. 76°
 B. 90° D. 52°

3) Use this place-value chart:

Hundred-Thousands	Ten-Thousands	Thousands	Hundreds	Tens	Ones
4	1	8	5	2	3

What is the standard numeral?

- A. 418,253 C. 418,352
 B. 481,523 D. 418,523

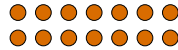
4) Mia had a ribbon that was $\frac{7}{10}$ meter long. She cut off $\frac{3}{10}$ meter for a craft project. How much ribbon was left?

- A. $\frac{4}{10}$ C. $\frac{3}{10}$
 B. $\frac{10}{10}$ D. $\frac{10}{20}$



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Paige



Quinn

5)

Paige has 7 bookmarks. Quinn has 2 times as many bookmarks as Paige. How many bookmarks does Quinn have?

6) Add: $19,876 + 20,234 = ?$

A. 39,110

C. 39,210

B. 40,210

D. 40,110

7) A pattern of stars is shown:



Figure 1



Figure 2



Figure 3

How many stars are in Figure 4?

A. 8

C. 10

B. 9

D. 12



7) Two friends shared a chocolate bar. One friend ate $\frac{5}{10}$ and the other ate $\frac{3}{10}$. What fraction of the chocolate bar was left uneaten?

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

C. $\frac{1}{10}$

B. $\frac{8}{20}$

D. $\frac{8}{10}$

8) How many 30° angles are needed to make a complete turn around a circle?

9) A baker makes muffins in batches. She makes 6 batches, each with 24 muffins. If she sells muffins in boxes of 9, how many boxes can she fill completely?

A. 15

C. 18

B. 17

D. 16 boxes

10) What is 4×328 ?

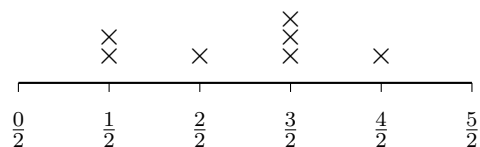
A. 1200

C. 1312

B. 1400

D. 1496

11) Look at this line plot with halves:



How many more X marks are at $\frac{3}{2}$ than at $\frac{1}{2}$?

A. 1

C. 3

B. 2

D. 4



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 D is correct.** (4.NBT.D.3) We're rounding to the nearest hundred. Look at the tens digit: 4. Since $4 < 5$, we round DOWN. The hundreds digit stays at 8, giving us **93,800**. ✓
- Choice C is correct.** (4.MD.J.4) The shortest sticker is at $\frac{1}{8}$ inch and the longest is at $\frac{4}{8}$ inch. The difference is $\frac{4}{8} - \frac{1}{8} = \frac{3}{8}$ inch.
- Choice C is correct.** (4.MD.K.5A) Each hour mark on a clock is 30° apart, so $120^\circ \div 30^\circ = 4$ marks.
- Choice A is correct.** (4.MD.I.2) Amir has 60 grams of butter but only needs 45 grams. Subtract: $60 - 45 = 15$ grams. He has **15 grams extra**.
- Choice A is correct.** (4.NF.G.3) $\frac{3}{4}$ shows 3 shaded parts out of 4 equal parts. Since each part is $\frac{1}{4}$, we have $\frac{3}{4} = \frac{1}{4} + \frac{1}{4} + \frac{1}{4}$ —three unit fractions added.
- Choice A is correct.** (4.NBT.E.6) An area model splits $31 = 30 + 1$ and $17 = 10 + 7$. Choice A shows these decompositions correctly.
- Choice C is correct.** (4.MD.I.3) The table's perimeter is $P = 2(5) + 2(3) = 10 + 6 = 16$ ft.
- The correct answer is 8.** (4.OA.B.4C) Find all the factor pairs: 1×40 , 2×20 , 4×10 , 5×8 . Combine both sides: 1, 2, 4, 5, 8, 10, 20, 40—that's **8 factors total**.
- Choice A is correct.** (4.NF.G.3) The fabric strip shows three parts. Red and blue are filled, white is empty. Step 1: Add the colored parts: $\frac{2}{6} + \frac{2}{6} = \frac{4}{6}$. Step 2: Subtract from the whole: $\frac{6}{6} - \frac{4}{6} = \frac{2}{6}$ is white.
- Choice D is correct.** (4.OA.B.4C) Work backwards: if "add 3" gives 10, then the first term is $10 - 3 = 7$.
- The correct answer is 67.** (4.MD.K.7) The angle is split into two parts. Subtract to find the missing angle: $156^\circ - 89^\circ = 67^\circ$.
- Choice D is correct.** (4.OA.A.2) "3 times as many" means we need exactly 3 equal groups. Model A shows 3 groups—so it matches the comparison. Model B shows only 2 groups, so it would represent "2 times as many," not 3.
- Choice C is correct.** (4.MD.I.1) Since 1 centimeter = 10 millimeters, multiply: $15 \times 10 = 150$ mm. The answer is **150 mm**.
- Choice A is correct.** (4.NBT.E.4) Sam read pages on Monday and more on Tuesday, so we add. $234 + 189 = 423$ pages total.
- Choice D is correct.** (4.OA.A.3B) Two steps! Step 1: take away the sheep she sold: $80 - 25 = 55$. Step 2: add the new sheep: $55 + 30 = 85$ sheep.
- The correct answer is A, C.** (4.NF.G.4) A counts by halves: $\frac{2}{2} = 2 \times \frac{1}{2}$ checkmark. C counts by halves: $\frac{3}{2} = 3 \times \frac{1}{2}$ checkmark. The others don't fit.
- The correct answer is 4.** (4.NF.G.4) Count the unit fractions: $\frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6} = 4 \times \frac{1}{6} = \frac{4}{6}$. There are **4** unit fractions.
- Choice C is correct.** (4.NBT.E.6) Divide: $54 \div 6 = 9$, and $0 \div 6 = 0$ gives us 90. Each friend receives **90** cookies.
- Choice B is correct.** (4.MD.K.5A) The tick marks go from 0° to 20° , so this angle measures **20°** .
- Choice D is correct.** (4.MD.K.6) The ray aligns perfectly with the 35° mark. Since $35^\circ < 90^\circ$, this is a small acute angle. The answer is **35 degrees**.
- Choice D is correct.** (4.NF.G.4) Marcus buys 4 containers, each with $\frac{2}{5}$ pound. Multiply: $4 \times \frac{2}{5} = \frac{4 \times 2}{5} = \frac{8}{5} = 1\frac{3}{5}$ pounds. The answer is **$1\frac{3}{5}$ pounds**.
- Choice B is correct.** (4.G.L.3) The letter *T* has a horizontal bar across the top and a vertical stem down the middle. The vertical dashed line splits it perfectly so the left and right halves match. The answer is Yes, this is a line of symmetry.
- Choice B is correct.** (4.NF.G.4) We have 3 ribbon strips that are each $\frac{1}{2}$ yard long. We multiply: $3 \times \frac{1}{2} = \frac{3}{2} = 1\frac{1}{2}$ yards total.
- Choice A is correct.** (4.NF.H.5) When we simplify, $\frac{20}{100} = \frac{2}{10}$, which equals 2 tenths.
- Choice D is correct.** (4.NF.F.1) Circle A shows $\frac{1}{3}$ shaded (120 degrees). Circle B has 6 parts. Multiply numerator and denominator by 2: $\frac{1}{3} = \frac{1 \times 2}{3 \times 2} = \frac{2}{6}$.
- Choice D is correct.** (4.NF.G.3) Add the wholes: $1 + 2 = 3$. Add the fractions: $\frac{5}{6} + \frac{1}{6} = \frac{6}{6} = 1$. Combine: $3 + 1 = 4$.



A Note From Your Math Friend

Hi, Math Star!

◇ Wow! You finished 8 full practice tests. That is a LOT of math problems. You worked hard, and your brain got stronger every time. ◇

★ **Here is a big idea:** mistakes are okay! Every time you got something wrong, you got smarter. Through 8 tests, you learned that trying is the most important thing. ★

Look What You Did!

- **Hard Worker:** You did not give up!
- **Smart Thinker:** You used your math tools.
- **Brave Learner:** You tried hard problems.
- **Test Ready:** You feel proud and prepared.

Big tip for test day: take your time. Read each problem twice. Show your work. Check your answer. You can do this!

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

Jay Daie

Your Math Friend

8 PRACTICE TESTS. PREPARE. PRACTICE. SUCCEED!

This **Grade 4 Math Practice Tests** book is designed to help students build strong math skills, master essential concepts, and boost confidence for success in the classroom and beyond.

Featuring 8 full-length practice tests, a variety of question types, and detailed answer explanations, this book provides the practice and support students need to improve accuracy, strengthen problem-solving abilities, and achieve their best.

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

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

★ **CONFIDENCE IN MATH.
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.

TOPICS COVERED

- ✓ Place Value & Number Sense
- ✓ Multi-Digit Addition & Subtraction
- ✓ Multiplication & Division
- ✓ Fractions & Equivalent Fractions
- ✓ Geometry & Shapes
- ✓ Measurement & Data
- ✓ Perimeter & Area
- ✓ Word Problems
- ✓ Patterns & Algebraic Thinking
- ✓ Graphs & Data Interpretation
- ✓ Mathematical Reasoning
- ✓ And More!



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