

6

Wyoming

WY TOPP

GRADE 5 MATH

PRACTICE TESTS

Complete Standards-Based Practice
— for Grade 5 Math Success —



$$A = \frac{1}{2}bh$$



$$5^2 = 25$$



**6 FULL-LENGTH
PRACTICE TESTS**

Realistic style questions



**STANDARDS-BASED
PRACTICE**

Covers all Grade 5
Math standards



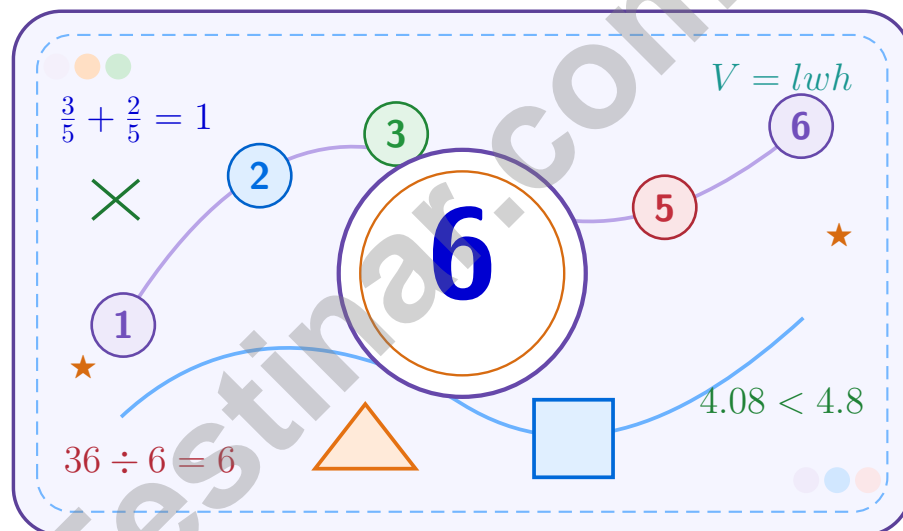
**BUILD CONFIDENCE.
IMPROVE SCORES.**

Target weak areas and
achieve success

★ STRONG PRACTICE. BRIGHT FUTURE. ★

6 Wyoming WY-TOPP Grade 5 Math Practice Tests

A six-step confidence climb with clear review, smart strategy, and practice that gets stronger every round



Six full tests, a focused skill booster, and student-friendly support from start to finish for Grade 5 mathematicians who want to climb higher.

Jay Daie and Reza Nazari



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Welcome to the Confidence Climb

This book is here to help you practice with purpose and rise step by step

To the Grade 5 Mathematician

This practice book is a place to think, try, fix, and grow. You do not have to be perfect on the first question or the first test. What matters most is careful effort, clear work, and learning from each round of practice.

Use these six tests like stepping-stones. Take one test at a time, check your answers honestly, and notice which skills need more attention. Small improvements add up fast.

Try

Give each problem your best thinking.

Check

Study mistakes and learn what happened.

Rise

Bring that lesson into the next round.

A strong habit for every page: read carefully, estimate when it helps, show your steps, and keep going even when a question feels tricky. That is how steady math confidence is built.

How to Use This Book

A simple practice routine that turns six tests into steady growth

Step 1: Warm Up

Start with the quick review.
Spend a few minutes refreshing the ideas before you start a test.

Step 2: Take the Test

Take one full practice test.
Work in a quiet space and let accuracy matter more than speed.

Step 3: Study the Pattern

Check your work honestly.
Circle missed questions and notice patterns in the mistakes.

Step 4: Learn, Then Retry

Read the explanation and try again.
Learning happens after the test too. Fixing mistakes is one of the smartest parts of practice.

A Six-Week Climb Map

Week	Mission Focus
Week 1	Take Test 1 and review any place-value or operation slips.
Week 2	Take Test 2 and focus on showing neat, easy-to-read work.
Week 3	Take Test 3 and give extra time to fractions or decimals if needed.
Week 4	Take Test 4 and slow down on word problems and units.
Week 5	Take Test 5 and compare your score and habits with earlier rounds.
Week 6	Take Test 6 and finish with calm, careful, confident work that uses everything you practiced before.



Scan me

Test Overview

What this practice book helps students do

These practice tests are designed to help Grade 5 students get comfortable with the kind of thinking used on the Wyoming WY-TOPP. The goal is bigger than only getting answers right. Students are practicing how to read closely, choose a strategy, solve carefully, and explain their work when needed.

Selected-Response Questions

Students solve the problem and choose the best answer. Estimating first and crossing out weak choices can save time and points.

Constructed-Response Questions

Students show their thinking, steps, models, or explanations. Even when unsure, writing what they know can help organize the problem.

Grade 5 Skills You Will Practice Often

- place value, comparing numbers, and rounding
- multi-digit addition, subtraction, multiplication, and division
- fractions, decimals, and mixed numbers
- perimeter, area, volume, and measurement conversions
- coordinate points, patterns, graphs, and tables
- geometry and multi-step word problems

What strong work looks like: the answer is correct, the steps are clear, the labels or units are included, and the final result makes sense.



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Grade 5 Mathematics

1

Questions: 40 Duration: No time limit

Calculator Policy: Calculators are not allowed



Grade 5 Mathematics Reference Materials

PERIMETER AND AREA

Perimeter of Rectangle $P = 2l + 2w$ or $P = 2(l + w)$

Area of Rectangle $A = l \times w$

Area of Triangle $A = \frac{1}{2} \times b \times h$

Volume of Rectangular Prism $V = l \times w \times h$

LENGTH

Customary

1 foot (ft) = 12 inches (in.)

1 yard (yd) = 3 feet (ft)

1 yard (yd) = 36 inches (in.)

Metric

1 meter (m) = 100 centimeters (cm)

1 centimeter (cm) = 10 millimeters (mm)

1 kilometer (km) = 1,000 meters (m)

CAPACITY

Customary

1 cup (c) = 8 fluid ounces (fl oz)

1 pint (pt) = 2 cups (c)

1 quart (qt) = 2 pints (pt)

1 gallon (gal) = 4 quarts (qt)

Metric

1 liter (L) = 1,000 milliliters (mL)

WEIGHT AND MASS

Customary

1 pound (lb) = 16 ounces (oz)

Metric

1 kilogram (kg) = 1,000 grams (g)

1 gram (g) = 1,000 milligrams (mg)

TIME

1 minute (min) = 60 seconds (sec) 1 week = 7 days

1 hour (hr) = 60 minutes (min) 1 year = 12 months

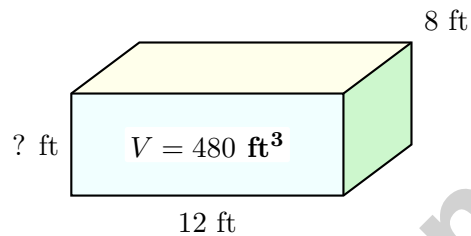
1 day = 24 hours (hr) 1 year = 52 weeks



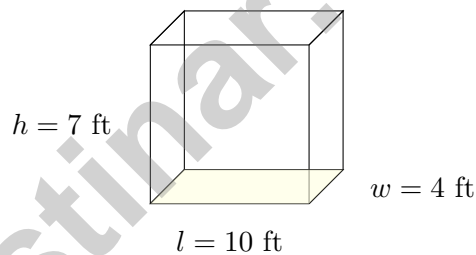
1) Which list orders these lengths from smallest to largest?

- A. 5 km, 500 m, 50 cm, 5 mm C. 50 cm, 5 mm, 500 m, 5 km
 B. 5 mm, 500 m, 5 km, 50 cm D. 5 mm, 50 cm, 500 m, 5 km

2) A building blueprint shows a room with volume 480 cubic feet. The length is 12 feet and the width is 8 feet. What must the height be?



- A. 4 feet C. 6 feet
 B. 5 feet D. 8 feet



3)

Calculate the volume.

- A. 280 ft^3 C. 40 ft^3
 B. 21 ft^3 D. 70 ft^3



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- 1) Which statement compares $14 + 7 \times 3$ and $(14 + 7) \times 3$ correctly?
- A. $14 + 7 \times 3 < (14 + 7) \times 3$
- B. $14 + 7 \times 3 > (14 + 7) \times 3$
- C. They are equal
- D. Cannot compare
- 2) A garden plot is $6\frac{3}{4}$ feet long and needs a fence. If $2\frac{7}{10}$ feet is already fenced, estimate how much more fencing is needed.
- A. About 3 feet
- B. About 4 feet
- C. About 5 feet
- D. About 6 feet
- 3) Round 23.45 to the nearest whole number.

Tens	Ones	Tenths	Hundredths
2	3	4	5

- A. 23
- B. 23.4
- C. 23.5
- D. 24



Practice Test Answer Keys

How to use this section:

1. check your answer
2. circle missed questions
3. rework them before reading the explanation

Good correction habits build strong scores.

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Practice Test Answers and Explanations

Practice Test 1 Answers and Explanations

- 1) **Choice D is correct.** **(5.MD.G.1)** Convert all: 5 km = 5,000 m, 500 m = 500 m, 50 cm = 0.5 m, 5 mm = 0.005 m. Order: 5 mm < 50 cm < 500 m < 5 km.
- 2) **Choice B is correct.** **(5.MD.I.3)** The base has $12 \times 8 = 96$ square feet. Since the volume is 480 cubic feet, divide $480 \div 96 = 5$. The height is 5 feet.
- 3) **Choice A is correct.** **(5.MD.I.5A)** $V = 10 \times 4 \times 7 = 280 \text{ ft}^3$.
- 4) **The correct answer is 23.** **(5.OA.B.3)** The terms are 7, 11, 15, 19, 23, so the 5th term is 23. A complete response explains that the pattern adds 4 each step.
- 5) **Choice D is correct.** **(5.G.K.3)** Shape D has two pairs of parallel sides, so it is a parallelogram. It does not have four right angles, so it is not a rectangle.
- 6) **Choice C is correct.** **(5.NBT.C.3A)** The tenths place is the first position after the decimal point. In 12.6, the tenths digit is 6.
- 7) **Choice D is correct.** **(5.NBT.C.4)** \$14.50 rounds up to \$15 and is the smallest amount shown that rounds to \$15. \$14.49 rounds to \$14, \$15.50 rounds to \$16, and \$13.50 rounds to \$14.
- 8) **Choice C is correct.** **(5.NBT.D.6)** $456 \div 12 = 38$ complete boxes. Check: $12 \times 38 = 456$.
- 9) **Choice C is correct.** **(5.G.K.4)** Size has nothing to do with hierarchy. A rectangle is NOT a trapezoid because a trapezoid has exactly ONE pair of parallel sides, while rectangles have TWO pairs.
- 10) **Choice C is correct.** **(5.NF.F.7)** $4 \div \frac{1}{5} = 4 \times 5 = 20$. We can make 20 packages.
- 11) **Choice B is correct.** **(5.OA.B.3)** Revenue = Quantity \times Price. So Price = $75 \div 5 = 15$ dollars per item.
- 12) **Choice B is correct.** **(5.MD.I.5A)** Find each part first: Prism A is $5 \times 4 \times 5 = 100$ cubic inches, and Prism B is $6 \times 4 \times 3 = 72$ cubic inches. Because the parts do not overlap, add them: $100 + 72 = 172$ cubic inches.
- 13) **Choice B is correct.** **(5.NBT.C.2)** Multiplying by 10 moves the decimal one place right: $0.003 \rightarrow 0.03$.
- 14) **Choice B is correct.** **(5.NBT.C.2)** $15 \times 10^7 = 15 \times 10000000 = 150000000$, which is 150 million.
- 15) **Choice D is correct.** **(5.NF.E.2)** LCD = 15. $\frac{3}{5} = \frac{9}{15}$; $\frac{2}{3} = \frac{10}{15}$; $\frac{10}{15} - \frac{9}{15} = \frac{1}{15}$.
- 16) **Choice B is correct.** **(5.MD.I.5)** Use the rectangular-prism volume formula: $10 \times 3 \times 3 = 90$. So the volume is 90 cubic inches.
- 17) **Choice A is correct.** **(5.NF.F.5D)** Divide both numerator and denominator by 4: $\frac{8}{100} = \frac{2}{25}$.
- 18) **Choice B is correct.** **(5.OA.A.2)** "The sum of 12 and 8" means group $12 + 8$. "Half of" that sum means divide the grouped total by 2.
- 19) **Choices A, B are correct.** **(5.NF.E.2)** C is about $\frac{7}{10}$; D is $\frac{3}{4}$.
- 20) **Choice C is correct.** **(5.NF.E.1)** LCM(3,5) = 15. $\frac{2}{3} = \frac{10}{15}$ and $\frac{3}{5} = \frac{9}{15}$. $\frac{10}{15} + \frac{9}{15} = \frac{19}{15} = 1\frac{4}{15}$.
- 21) **Choice C is correct.** **(5.MD.I.5A)** Volume = $12 \times 3 \times 4 = 36 \times 4 = 144 \text{ cm}^3$.
- 22) **Choice A is correct.** **(5.OA.A.1)** The student added before multiplying. Multiplication should happen first: $6 \times 2 = 12$, and then $4 + 12 = 16$.
- 23) **Choice D is correct.** **(5.MD.G.1)** Choose the operation from the story, then keep the unit with the answer. Multiply: $28.5 \times 12 = 342$ miles. This confirms the answer.
- 24) **Choice C is correct.** **(5.MD.I.5A)** The known dimensions make a base area of $9 \times 8 = 72$ square units. Since $648 \div 72 = 9$, the missing dimension is 9 units.
- 25) **Choice D is correct.** **(5.NF.F.5C)** $2\frac{1}{4} \times 4 = \frac{9}{4} \times 4 = 9$ pounds.
- 26) **Choice C is correct.** **(5.OA.A.1)** Each parenthesis becomes one number: $5 + 3 = 8$ and $7 - 4 = 3$. Then multiply those results: $8 \times 3 = 24$.
- 27) **Choice D is correct.** **(5.NBT.D.5)** Multiply: $304 \times 2 = (300 \times 2) + (4 \times 2) = 600 + 8 = 608$.
- 28) **Choice C is correct.** **(5.G.K.4)** A triangle is a polygon, but it has 3 sides rather than 4 sides.
- 29) **The correct answer is $2\frac{1}{2}$ m.** **(5.NF.F.6)** $3 \times \frac{5}{6} = \frac{15}{6} = \frac{5}{2} = 2\frac{1}{2}$ m.
- 30) **Choice A is correct.** **(5.MD.G.1)** 1 quart = 4 cups (since 1 qt = 2 pt and 1 pt = 2 c, so $2 \times 2 = 4$ cups). Therefore, 2 quarts = $2 \times 4 = 8$ cups. Lily is correct.



Mission Control Transmission

Greetings, Space Pioneer!

★ Mission accomplished! You've successfully completed six simulated space missions, navigating through challenging mathematical asteroid fields and solving complex orbital calculations like a trained astronaut! Each test was a mission into unknown territory, and you handled every challenge with the precision and focus of a space professional. You're ready for launch! ★

◇ **Here's what astronauts understand:** space missions require years of preparation before the actual launch. They simulate every possible scenario, practice emergency procedures, and develop automatic responses to challenges. You've done exactly that through these six tests! You've simulated test conditions, practiced problem-solving under pressure, and developed mathematical instincts that will activate automatically! ◇

Mission Readiness Assessment

- **Systems Check:** All mathematical operations functioning at optimal capacity!
- **Navigation Skills:** You can chart a course through any problem successfully!
- **Problem-Solving Protocol:** You respond to challenges systematically and efficiently!
- **Launch Authorization:** Mission Control approves you for test day deployment!

Remember this space mission protocol: astronauts stay calm in any situation because they've trained for it. When test day arrives, remember that you've already experienced six complete simulations. There's nothing that test can present that you haven't practiced. Stay calm, trust your training, and execute your mission with confidence!

Want to report your mission findings or share zero-gravity problem-solving insights? Transmit your message to reza@testinar.com. Mission Control is standing by!

Reza Nazari & Jay Daie

Your Math Coaches for Strong Reasoning

6 FULL-LENGTH TESTS. ENDLESS POTENTIAL.

PRACTICE TODAY. SUCCEED TOMORROW.

Give your child the tools they need to build strong math skills and test-taking confidence! This book includes **6 full-length practice tests** along with standards-based practice, mixed review, word problems, and a complete answer key.

★★★
PRACTICE
WITH PURPOSE.
ACHIEVE WITH
CONFIDENCE.

WHAT'S INSIDE:



6 FULL-LENGTH PRACTICE TESTS

Realistic tests designed to reflect the actual test format and help build confidence.



STANDARDS-BASED PRACTICE

Covers all essential Grade 5 math standards with clear explanations and examples.



MIXED REVIEW

Reinforces key concepts with a variety of question types and review exercises.



WORD PROBLEMS

Build critical thinking and problem-solving skills with real-world scenarios.



COMPLETE ANSWER KEY

Step-by-step explanations for every question to support learning and growth.



IMPROVE. PRACTICE. ACHIEVE.

Consistent practice leads to stronger skills, higher scores, and greater success.



WHY PRACTICE MAKES A DIFFERENCE



BUILD CONFIDENCE

Feel prepared and ready for any challenge.



IMPROVE ACCURACY

Strengthen skills and reduce careless mistakes.



THINK STRATEGICALLY

Develop problem-solving skills and deepen understanding.



MANAGE TIME

Practice under timed conditions to build stamina.



STAY MOTIVATED

Track progress and celebrate every win.



ACHIEVE SUCCESS

Reach goals and unlock your full potential!



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for more Grade 5 math resources and practice materials!



Testinar

Smart Practice. Stronger Results.