

7

Wyoming

WY TOPP

GRADE 5

MATHEMATICS

PRACTICE TESTS

✓
**PRACTICE
PREPARE
SUCCEED**

★★★

Comprehensive Standards-Aligned
Review for Strong Grade 5
Math Performance



$$\frac{3}{4} + \frac{2}{4} = \frac{5}{4}$$

$$2.4 + 1.6 = 4.0$$

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



**7 FULL-LENGTH
PRACTICE TESTS**

Realistic style
questions



**STANDARDS-
ALIGNED**

Covers all Grade 5
standards



BUILD CONFIDENCE

Target weak areas
and improve
performance



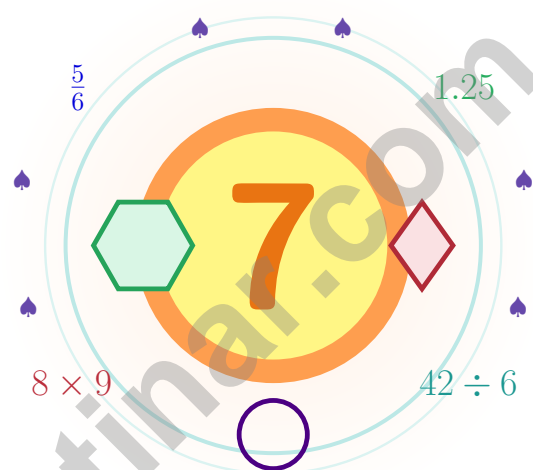
ACHIEVE SUCCESS

Develop skills,
stay prepared,
excel on test day

★ PRACTICE TODAY. PERFORM TOMORROW. **SUCCEED** FOREVER. ★

7 Wyoming WY-TOPP Grade 5 Math Practice Tests

A seven-step trail built for steady, brave thinking



Seven full tests, a concise review, and helpful support that turns
Grade 5 practice in The Equality State into steady, confident
growth from page one to the final check.

Jay Daie and Reza Nazari



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Seven-Step Math Adventure, Wyoming

Seven chances to grow your math mind one careful step at a time

Wyoming Grade 5: This Trail Is for You

This practice book is your steady companion for seven tests, not a place to be perfect. Math is a lot like Yellowstone – full of patterns, surprises, and steady eruptions of insight if you watch closely.

Use these seven 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 across seven rounds.

Read

Read every word twice and underline what is asked.

Solve

Choose the cleanest method and show your steps.

Reflect

Look back to find what worked and what to fix.

A strong habit for Wyoming mathematicians: 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.

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Seven Steps, One Routine

A simple routine that turns practice into progress

Step 1: Power Up

Sharpen your math brain with the quick review.

Spend a few minutes waking up your memory before the test begins.

Step 2: Trail Run

Take a full practice test in a quiet spot.

Work in a calm spot and focus on careful thinking before speed.

Step 3: Debrief

Score honestly and circle missed questions.

Circle missed questions and notice which topics keep showing up.

Step 4: Repair

Fix the missed work and lock the lesson in.

Read the explanation, repair the work, and bring that lesson into the next test.

A Good 7-Week Wyoming Rhythm

Week 1	Take Test 1 like a wide Wyoming sunrise.
Week 2	Take Test 2 and slow down on word problems.
Week 3	Take Test 3 and lift fraction and decimal work.
Week 4	Take Test 4 and pay close attention to labels and units.
Week 5	Take Test 5 and compare your habits with your first test.
Week 6	Take Test 6 and practice staying calm during tricky questions.
Week 7	Take Test 7 with calm, geyser-steady focus.



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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)

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CAPACITY

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WEIGHT AND MASS

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TIME

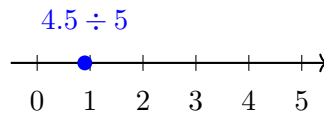
1 minute (min) = 60 seconds (sec) 1 week = 7 days

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

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



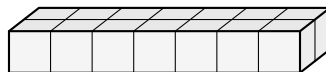
- 1) A number line shows division. If you divide 4.5 by 5, where does the quotient fall?



- A. Between 0 and 1
- B. Between 1 and 2
- C. Between 2 and 3
- D. Between 4 and 5
- 2) Without calculating, compare: $(240 + 87) \times 4$ $(240 + 87) \times 2$
- A. $>$
- B. $<$
- C. $=$
- D. Cannot tell
- 3) Add: $\frac{1}{3} + \frac{1}{4}$
- A. $\frac{2}{7}$
- B. $\frac{2}{12}$
- C. $\frac{1}{12}$
- D. $\frac{7}{12}$
- 4) Maria has \$25.00 and spends \$8.65 on a book and \$3.50 on a pen. How much does she have left?

Record your answer in the space provided.

- 5) A rectangular prism has dimensions 7 units, 2 units, and 1 unit. How many unit cubes fill it?



- A. 7 unit cubes
- B. 10 unit cubes
- C. 14 unit cubes
- D. 9 unit cubes



6) Mistake hunt: A student computed 3.4×1000 and wrote 3.4. What error did the student make?

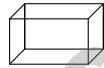
- A. Moved decimal 2 places instead of 3 C. Did not move the decimal point
 B. Moved decimal left instead of right D. No error; answer is correct

7) A container holds $\frac{7}{8}$ liter of milk. If you use $\frac{1}{2}$ of the milk, how much do you use?

- A. $\frac{7}{16}$ liter C. $\frac{7}{10}$ liter
 B. $\frac{1}{4}$ liter D. $\frac{8}{10}$ liter

8) Which figure has volume as an attribute?

Solid figure



3D object

- A. A line segment C. A rectangular prism
 B. A rectangle D. A point

9) A roll has 6 meters of paper. Each craft uses one fourth meter. Which division equation matches the situation?

- A. $\frac{1}{4} \div 6 = n$ C. $6 \div \frac{1}{4} = n$
 B. $6 \times \frac{1}{4} = n$ D. $6 + \frac{1}{4} = n$

10) Find the sum: $1\frac{1}{2} + 2\frac{1}{3}$.

Record your answer in the space provided.



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1) Write the multiplication as a power of 10. $\underline{\hspace{1cm}} \times 100 = 3.7$. What is the missing number?

- A. 0.037 C. 37
 B. 0.37 D. 370

2) When you multiply 3.7 by 10^2 , which digit moves to the hundreds place?

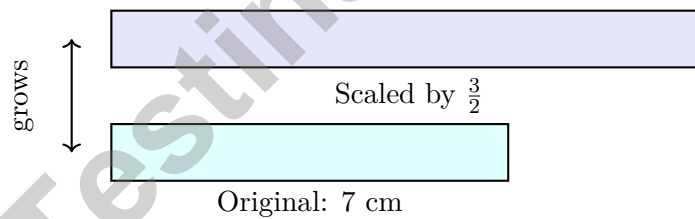
- A. 7 C. 0
 B. 3 D. 2

3) A class project uses string. They have 12.5 meters, 8.75 meters, and 6.25 meters of string. What is the total length?

$$\begin{array}{r} \underline{12.5 \text{ m}} \\ 8.75 \text{ m} \\ \underline{6.25 \text{ m}} \end{array}$$

- A. 27.5 meters C. 25.5 meters
 B. 26.5 meters D. 28.5 meters

4)



If a segment of 7 cm is scaled by $\frac{3}{2}$, what is the new length?

- A. $3\frac{1}{2}$ cm C. $10\frac{1}{2}$ cm
 B. 7 cm D. 14 cm



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1) How many sides does an octagon have?

A. 6

C. 8

B. 7

D. 9

2) If $15.42 - ? = 8.67$, what is the missing value?

A. 7.15

C. 6.75

B. 6.85

D. 7.25

3) A rectangular prism has volume 324 ft^3 , length 9 ft, and width 9 ft. What is the height?

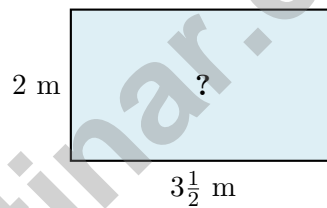
A. 2 ft

C. 4 ft

B. 3 ft

D. 5 ft

4) A rectangular garden has length $3\frac{1}{2}$ meters and width 2 meters. What is the area?



A. 8

C. 7

B. 6

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



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1) For each input, multiply by 4 and then add 2. Which ordered pair is true for input 0?

- A. (0, 0) C. (0, 6)
 B. (0, 4) D. (0, 2)

2) A construction project requires a cable that is at least 8,500 millimeters long. Which cable meets the requirement?

Cable A
8.4 m

Cable B
8.7 m

Cable C
8,200 mm

Cable D
0.82 km

- A. Cable A only C. Cables B and D only
 B. Cables A and C only D. Cables A, B, and D only
- 3) Compare the two expressions. Which statement is true?

$$(12 + 8) \div 4$$

$$12 + 8 \div 4$$

- A. Left > Right C. Left = Right
 B. Left < Right D. Cannot compare
- 4) What does multiplying by 10^2 do to a number?
- A. The value becomes 10 times as large C. The value becomes 10 times as small
 B. The value becomes 100 times as small D. The value becomes 100 times as large



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 A is correct.** **(5.NBT.D.7)** $4.5 \div 5 = 0.9$, which is between 0 and 1.
- 2) **Choice A is correct.** **(5.OA.A.2)** Both products use the same factor, $(240 + 87)$. Four copies of that amount are greater than two copies.
- 3) **Choice D is correct.** **(5.NF.E.1)** $\text{LCM}(3,4) = 12$. $\frac{1}{3} = \frac{4}{12}$ and $\frac{1}{4} = \frac{3}{12}$. $\frac{4}{12} + \frac{3}{12} = \frac{7}{12}$.
- 4) **The correct answer is 12.85.** **(5.MD.G.1)** Total spent: $8.65 + 3.50 = 12.15$. Remaining: $25.00 - 12.15 = 12.85$.
- 5) **Choice C is correct.** **(5.MD.I.4)** The prism is only 1 unit tall, so it has one layer. The layer has $7 \times 2 = 14$ unit cubes.
- 6) **Choice C is correct.** **(5.NBT.C.2)** The student should multiply by 1000, moving the decimal 3 places right to get 3400. Writing 3.4 again means the decimal point did not move.
- 7) **Choice A is correct.** **(5.NF.F.6)** $\frac{1}{2} \times \frac{7}{8} = \frac{7}{16}$ liter.
- 8) **Choice C is correct.** **(5.MD.I.3)** A rectangular prism is a 3D solid figure, so it has volume. A line segment, rectangle, and point are not solid figures with interior space.
- 9) **Choice C is correct.** **(5.NF.F.7C)** Use total amount divided by the size of one piece. The equation is $6 \div \frac{1}{4} = n$.
- 10) **The correct answer is $3\frac{5}{6}$.** **(5.NF.E.1)** Add wholes: $1 + 2 = 3$. Add fractions: $\frac{3}{6} + \frac{2}{6} = \frac{5}{6}$. Total: $3\frac{5}{6}$.
- 11) **The correct answer is 84 cubic feet.** **(5.MD.I.5A)** Subtract the known part from the total: $210 - 126 = 84$ cubic feet. That is the missing part's volume.
- 12) **Choice C is correct.** **(5.MD.H.2)** When making the line plot, place one X for each measurement. $\frac{3}{4}$ appears 3 times, which is more than $\frac{1}{4}$ (1 time), $\frac{1}{2}$ (2 times), or 1 (2 times).
- 13) **Choice B is correct.** **(5.NF.F.5D)** The bar for $\frac{1}{2}$ divides into 2 parts; the bar for $\frac{1}{4}$ divides into 4 parts. Common denominator is 4.
- 14) **Choice B is correct.** **(5.NBT.C.2)** Check each quotient: $3,500 \div 10 = 350$, $450 \div 100 = 4.5$, $8,600 \div 1,000 = 8.6$, and $1,200 \div 100 = 12$.
- 15) **Choice B is correct.** **(5.NF.F.7C)** Start with one unit fraction, $\frac{1}{6}$, and share it into 3 equal parts. Each part is $\frac{1}{6} \div 3 = \frac{1}{18}$ of the whole.
- 16) **Choice D is correct.** **(5.MD.G.1)** Since 1 pound = 16 ounces, multiply 6 by 16: $6 \times 16 = 96$ ounces.
- 17) **Choice B is correct.** **(5.MD.G.1)** Available: 3 yards = 9 feet, and $9 + 1 = 10$ feet. Needed: 15 feet. More needed: $15 - 10 = 5$ feet.
- 18) **Choice B is correct.** **(5.NF.F.5B)** $10 \times \frac{2}{5} = \frac{20}{5} = 4$.
- 19) **Choice B is correct.** **(5.G.J.2)** Compare each pair: $1 \times 7 = 7$, $2 \times 7 = 14$, $3 \times 7 = 21$, and $4 \times 7 = 28$.
- 20) **Choice B is correct.** **(5.G.J.2)** Point X is 9 units right and 1 unit up, matching the coordinates (9, 1).
- 21) **Choice C is correct.** **(5.G.K.4)** Triangle C has side labels 3 cm, 4 cm, and 5 cm. Since all three side lengths are different, Triangle C is scalene.
- 22) **Choices A, B are correct.** **(5.NF.E.2)** C gives $\frac{5}{12}$; D gives $\frac{1}{8}$.
- 23) **The correct answer is 1000.** **(5.NBT.C.2)** $\frac{100,000}{100} = 1,000$, which is 10^3 .
- 24) **Choice B is correct.** **(5.NBT.C.2)** The known product $8 \times 5 = 40$ already has one zero. The factor 800 adds two more zeros, giving 4,000.
- 25) **Choice C is correct.** **(5.NF.E.1)** In C, $\frac{1}{6} < \frac{5}{6}$, so borrowing is required. The others have larger fractional parts in the minuend.
- 26) **Choice A is correct.** **(5.MD.I.5A)** Overlap area = $\frac{3}{8} \times \frac{2}{5} = \frac{6}{40}$.
- 27) **Choice D is correct.** **(5.NF.E.2)** Planted: $\frac{3}{10} + \frac{4}{10} = \frac{7}{10}$. Unplanted: $1 - \frac{7}{10} = \frac{3}{10}$.
- 28) **Choice B is correct.** **(5.NBT.C.2)** Multiplying by 100 moves each digit two places to a larger place value. That changes 24.6 to 2,460.
- 29) **Choice B is correct.** **(5.NF.E.2)** $\frac{5}{8} \approx \frac{1}{2}$ and $\frac{3}{7} \approx \frac{1}{2}$. So the total is about $\frac{1}{2} + \frac{1}{2} = 1$ fruit. The actual sum is a little more than 1, so "about 1 whole fruit" is the best estimate.



Hi there!

* You practiced seven full tests, and that builds stamina. Stamina means you can stay focused for the whole test, even when you meet a question that makes you think hard. *

◇ **Remember this:** being calm is a skill. If you feel nervous, that's normal. Your job is to use your tools—read, plan, solve, check—one step at a time. ◇

When You Feel Stuck

- **Pause:** take one slow breath.
- **Reread:** what is the question asking?
- **Start small:** write the first step you know.
- **Move on:** return later if it still feels tough.

I'm proud of you for doing the work. Seven tests later, you're stronger and more prepared.

You can always email me at reza@testinar.com.

Reza Nazari & Jay Daie

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✓ On-the-Go Practice

✓
PRACTICE
PREPARE
SUCCEED



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YOUR CHILD

Every step of the way.