

8

FULL-LENGTH

Wyoming

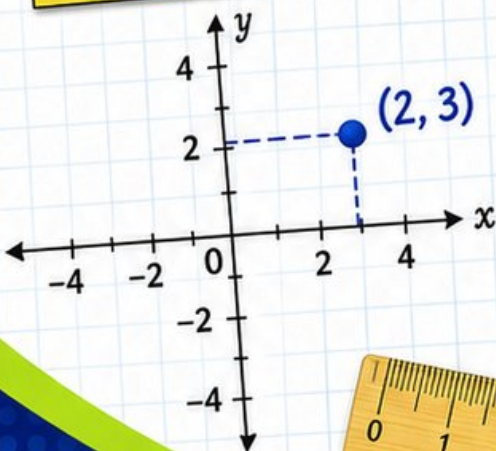
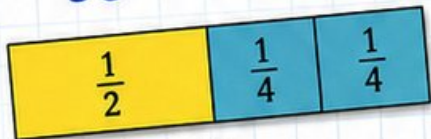
WY TOPP

GRADE 5

MATH PRACTICE TESTS

Mixed Practice Questions with Answer Key
for Students, Parents, and Teachers

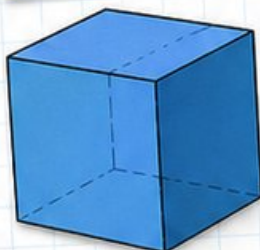
$$36 \div 4 = 9$$



$$2.4 \times 7 = 16.8$$

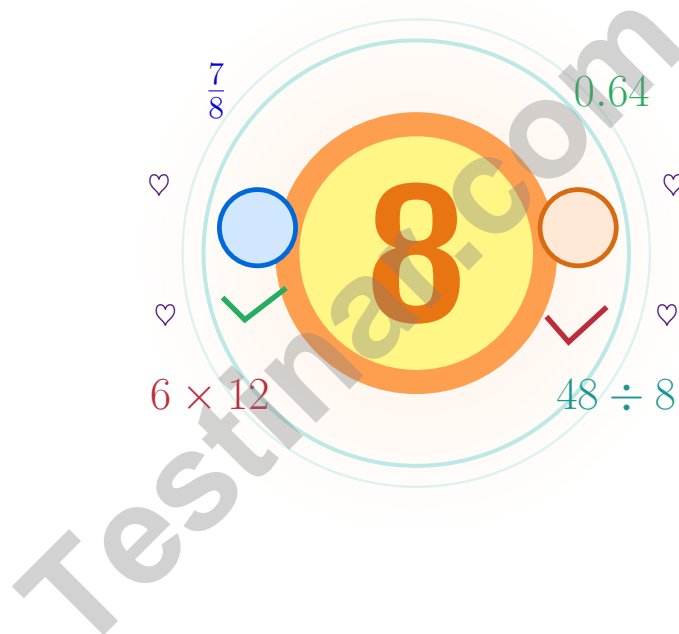
$$7 \times (12 - 5) = 49$$

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100



8 Wyoming WY-TOPP Grade 5 Math Practice Tests

A eight-step trail built for steady, brave thinking



Eight full tests, a focused quick 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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Welcome to the Eight-Step Practice Path, Wyoming

This book is here to help you practice, reflect, and rise across eight tests

Trail Briefing for Wyoming Grade 5 Math Crew

This practice book is your steady companion for eight 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 eight 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.

Notice

Look closely at what the problem says, shows, and asks.

Try

Pick a plan and step through it carefully.

Grow

Use every correction as a clue for what to master next.

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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How to Use This Book

A simple routine that turns practice into progress

Step 1: Step 1

Warm up with a quick review.

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

Step 2: Step 2

Take one full practice test.

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

Step 3: Step 3

Check your work honestly.

Circle missed questions and notice which topics keep showing up.

Step 4: Step 4

Fix, reflect, and try again.

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

A Good 8-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.
Week 8	Take Test 8 and finish the journey with calm, careful, confident work.



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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

Customary

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

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1 gallon (gal) = 4 quarts (qt)

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

WEIGHT AND MASS

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TIME

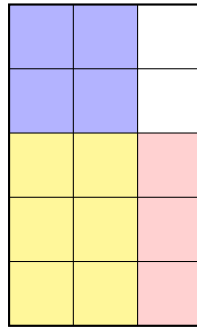
1 minute (min) = 60 seconds (sec) 1 week = 7 days

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



1) Maria has a rectangle of cardboard with dimensions $\frac{2}{3}$ meter by $\frac{3}{5}$ meter. What is the area?



- A. $\frac{6}{15}$ square meters or $\frac{2}{5}$ square meters C. $\frac{3}{5}$ square meters
 B. $\frac{5}{8}$ square meters D. $\frac{6}{8}$ square meters

2) Place-value chart for 3.915: identify the digit in the tenths place.

Ones	Tenths	Hundredths	Thousandths
3	9	1	5

- A. 3 C. 1
 B. 9 D. 5

3) What is $64 \div 1,000$?

- A. 0.64 C. 0.006
 B. 0.064 D. 6400

4) Find missing: $\frac{7}{10} - \square = \frac{1}{5}$

- A. $\frac{3}{10}$ C. $\frac{1}{10}$
 B. $\frac{6}{10}$ D. $\frac{5}{10}$



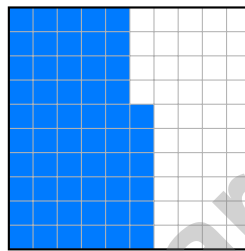
5) A store sells ribbon by the meter. One spool has 5.5 meters. If each customer buys one half meter, or 0.5 meter, how many customers can be served from one spool?

- A. 9 customers C. 12 customers
 B. 10 customers D. 11 customers

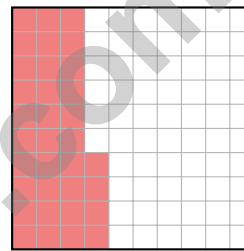
6) Pattern: $\frac{1}{2}, 1, \frac{3}{2}, 2, \frac{5}{2}, \dots$ What is the 8th term?

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

7) Hundredths grids: Grid 1 has 56 shaded; Grid 2 has 34 shaded. Find $0.56 + 0.34$.



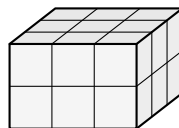
Grid 1: 0.56



Grid 2: 0.34

- A. 0.90 C. 0.80
 B. 1.00 D. 1.10

8) A small gift box can hold exactly 18 unit cubes. If it measures 3 units by 3 units by what unit in height?



- A. 2 units C. 4 units
 B. 3 units D. 6 units



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1) What is $9,200 \div 1,000$?

A. 92,000

C. 920

B. 92

D. 9.2

2) A student buys fabric for a project. She needs 2.5 yards per garment and makes 8 garments. How much fabric does she use?

A. 18 yards

C. 20 yards

B. 19 yards

D. 22 yards

3) True or False: Every parallelogram is a quadrilateral.

A. True, because parallelograms have four sides.

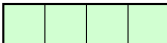
C. True, only for squares.

B. False, because parallelograms have more than four sides.

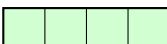
D. False, because they are not polygons.

4) The model shows 4 wholes, with each whole cut into pieces of size $\frac{1}{4}$. How many pieces of size $\frac{1}{4}$ are there in all?

1 whole 

1 whole 

1 whole 

1 whole 

4 wholes, each cut into pieces of size $\frac{1}{4}$

A. 8

C. 4

B. 16

D. 12



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.MD.I.5A) Area = $\frac{2}{3} \times \frac{3}{5} = \frac{6}{15}$ square meters.
- 2) **Choice B is correct.** (5.NBT.C.3A) The tenths place is the first position after the decimal point. In 3.915, the tenths digit is 9.
- 3) **Choice B is correct.** (5.NBT.C.2) Dividing by 1,000 moves the decimal 3 places left: $64 \rightarrow 6.4 \rightarrow 0.64 \rightarrow 0.064$.
- 4) **Choice D is correct.** (5.NBT.C.2) $\frac{1}{5} = \frac{2}{10}$. If $\frac{7}{10} - x = \frac{2}{10}$, then $x = \frac{5}{10}$.
- 5) **Choice D is correct.** (5.NBT.D.7) Each meter has two half-meter pieces. So 5.5 meters has $5.5 \times 2 = 11$ half-meter pieces, enough for 11 customers.
- 6) **Choice C is correct.** (5.OA.B.3) Add $\frac{1}{2}$ each time: $\frac{1}{2}, 1, 1\frac{1}{2}, 2, 2\frac{1}{2}, 3, 3\frac{1}{2}, 4$. The 8th term is 4.
- 7) **Choice A is correct.** (5.NBT.D.7) Combine: $56 + 34 = 90$ shaded squares. This equals 0.90 (regroup: 90 hundredths = 9 tenths).
- 8) **Choice A is correct.** (5.MD.I.4) The base has $3 \times 3 = 9$ unit cubes. Since $18 \div 9 = 2$, the prism is 2 units tall.
- 9) **Choice B is correct.** (5.NF.E.2) $3\frac{2}{7} \approx 3$ and $1\frac{1}{8} \approx 1$. So $3\frac{2}{7} + 1\frac{1}{8} \approx 3 + 1 = 4$.
- 10) **Choice A is correct.** (5.NF.E.2) $4200 \div 100 = 42$ cartons. Work backward from the product to find the missing factor.
- 11) **Choice C is correct.** (5.NF.F.7) $\frac{1}{11} \div 2 = \frac{1}{11} \times \frac{1}{2} = \frac{1}{22}$.
- 12) **Choice C is correct.** (5.OA.A.2) "Twice" means multiply by 2. Since it is twice the whole sum, group $8 + 5$ first: $2 \times (8 + 5)$.
- 13) **The correct answer is 8 cm.** (5.MD.I.5A) Divide the volume by the base area: $240 \div 30 = 8$, so the height is 8 cm.
- 14) **Choice B is correct.** (5.MD.I.5A) Multiply: $214 \times 2 = (200 \times 2) + (10 \times 2) + (4 \times 2) = 400 + 20 + 8 = 428$.
- 15) **Choice B is correct.** (5.NBT.D.5) The volume formula is $l \times w \times h$, so $7 \times 3 \times 5$ is the correct expression.
- 16) **Choice D is correct.** (5.NBT.C.2) Dividing by 10 moves each digit one place to the right in the place-value chart, so $7 \div 10 = 0.7$.
- 17) **Choice B is correct.** (5.NBT.C.2) The nested rectangles show the square region inside the rectangle region, so all squares are rectangles.
- 18) **The correct answer is 165.** (5.MD.G.1) Convert the hours first: 2 hours is $2 \times 60 = 120$ minutes. Add 45 minutes to get $120 + 45 = 165$ minutes.
- 19) **Choices A, B are correct.** (5.MD.G.1) Align decimals and subtract. A and B are true. C should be 0.70, and D should be 2.97.
- 20) **The correct answer is 18 cubic units.** (5.MD.I.3) The prism has $3 \times 3 = 9$ cubes in each layer and 2 layers. That gives $9 \times 2 = 18$ cubic units.
- 21) **Choice D is correct.** (5.MD.I.3) The GCF of 8 and 12 is 4. Divide: $\frac{8}{12} = \frac{8 \div 4}{12 \div 4} = \frac{2}{3}$.
- 22) **Choice D is correct.** (5.NF.F.5B) The number line counts four equal hops of $\frac{1}{4}$. After four fourths, you land on $\frac{4}{4} = 1$.
- 23) **Choice C is correct.** (5.MD.G.1) Choose the operation from the story, then keep the unit with the answer. Multiply: $0.6 \times 5 = 3.0$ kilometers. This confirms the answer.
- 24) **The correct answer is 33.** (5.OA.A.1) Start with $12 - 4 = 8$. Then $3 \times 8 = 24$ and $18 \div 2 = 9$, so $24 + 9 = 33$.
- 25) **The correct answer is 3 sides.** (5.OA.A.1) An equilateral triangle has 3 equal sides and 3 vertices. A square has 4 sides and 4 vertices, so the number of sides or vertices tells the shapes apart.
- 26) **Choice C is correct.** (5.G.K.3) C is correct: $6 \times 5 \times 4 = 120$ cubic units. A: volume is 60. B: volume uses cubic units. D: doubling one dimension doubles the volume.
- 27) **Choice C is correct.** (5.MD.G.1) Since 1 pound = 16 ounces, multiply 5 by 16: $5 \times 16 = 80$ ounces.
- 28) **Choice A is correct.** (5.G.J.2) x : 1, 2, 3, 4. y : 4, 8, 12, 16. The third point should be (3, 12), not (3, 11).
- 29) **Choice C is correct.** (5.MD.I.5) The base area is $20 \times 10 = 200$ square meters. Since $1000 \div 200 = 5$, the pool is 5 m deep.
- 30) **Choice B is correct.** (5.NBT.C.2) The nonzero parts make $5 \times 2 = 10$, which adds one zero of its own. Together with the two factor zeros, the product is 1,000 with 3 zeros.



Notes From the Math Gardener

Dear Math Gardener,

◇ Look at how much you've grown! 8 practice tests is like 8 seasons of planting and harvesting. Each problem was a seed, each effort was water, and each "aha!" was sunshine. Your math garden is strong now—and it shows. ◇

★ **What gardeners know:** growth is steady, not sudden. You don't see roots growing, but they are. You don't always feel yourself getting smarter, but you are. The proof is in the questions you can solve today that felt impossible 8 tests ago. ★

Garden Inspection Report

- **Roots (foundation):** DEEP! Your basic skills are solid.
- **Stems (structure):** STURDY! Your problem-solving steps hold up.
- **Leaves (skills):** LUSH! You have many strategies to draw on.
- **Flowers (confidence):** BLOOMING! You believe in your skills.

Gardener's wisdom: keep watering your math garden long after the test. Every habit you built (read carefully, plan, check) will grow with you for years. The test is just one harvest. Your garden keeps growing.

If you want to share a proud moment or ask a question, please email me at jay@testinar.com. I'd love to hear from you!

Jay Daie

Your Math Gardener (Keep Growing!)

$45 \div 5 = ?$

PRACTICE TODAY.

$\frac{3}{5} + \frac{1}{10} = ?$



ACHIEVE TOMORROW!



$3^2 + 4^2 = 25$

This book includes **8** full-length **Grade 5** math practice tests to help students master essential skills, build confidence, and achieve success. Each test is carefully designed to reflect real math standards and cover a variety of question types with detailed answer explanations.

$7x - 4 = 17$

$1\frac{1}{2} + 2\frac{1}{3} = ?$

8 FULL-LENGTH MATH PRACTICE TESTS



REALISTIC PRACTICE

Tests mirror Grade 5 math standards and real assessment formats.



ANSWER KEY INCLUDED

Detailed answer explanations help students understand and learn.



BUILD CONFIDENCE & SKILLS

Strengthens problem-solving abilities and reinforces key math concepts.



IMPROVE & TRACK PROGRESS

Identify strengths and focus on areas that need improvement.



ACHIEVE SUCCESS

Boosts test readiness and helps students achieve their best results.

COVERS ALL KEY GRADE 5 MATH TOPICS

- ✓ Whole Numbers & Operations
- ✓ Fractions & Decimals
- ✓ Algebraic Thinking
- ✓ Geometry
- ✓ Measurement & Data
- ✓ Number Patterns
- ✓ Word Problems
- ✓ Ratio & Proportion
- ✓ Perimeter, Area & Volume
- ✓ Graphing & Data Analysis

...and More!



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Practice with purpose. Succeed with confidence!