

8

FULL-LENGTH

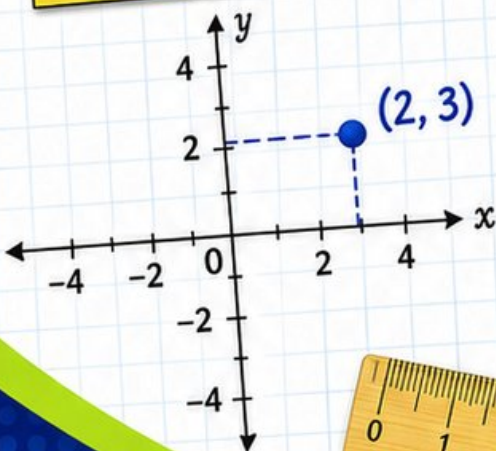
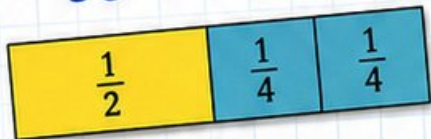
Oklahoma OSTP

GRADE 5

MATH PRACTICE TESTS

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

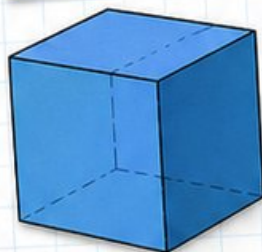
$$36 \div 4 = 9$$



$$2.4 \times 7 = 16.8$$

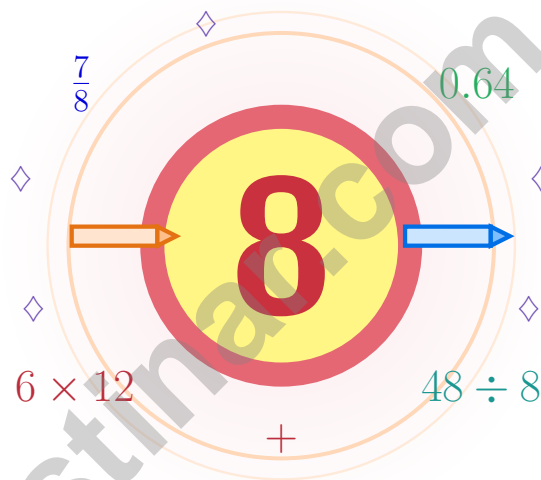
$$7 \times (12 - 5) = 49$$

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 Oklahoma OSTP Grade 5 Math Practice Tests

Eight full tests woven into one calm, steady practice path



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

Jay Daie and Reza Nazari



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Oklahoma Grade 5: Practice Path Briefing

A eight-step adventure for Oklahoma Grade 5 thinkers

Just for Oklahoma Grade 5 Trail Specialists

This practice book is your steady companion for eight tests, not a place to be perfect. Math is a lot like an Oklahoma morning – wide skies, fresh wind, and lots of room to think clearly.

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 Oklahoma 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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Scan me



Your Step-by-Step Plan

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 Oklahoma Rhythm

Week 1	Take Test 1 like a wide prairie morning.
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, careful, confident work.
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 $A = l \times w$

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

LENGTH

Customary

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

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1 meter (m) = 100 centimeters (cm)

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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

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WEIGHT AND MASS

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1 pound (lb) = 16 ounces (oz)

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



1) A candy factory packages chocolates in boxes. Each box weighs 150 grams. If they ship 80 boxes, what is the total weight in kilograms?

A. 1.2 kg

B. 12 kg

C. 120 kg

D. 1,200 kg

2) Find: $9.6 \div 4$.

Record your answer in the space provided.

3) The number 9.634 is written in word form. Which is correct?

A. Nine and six hundred thirty-four

B. Nine and sixty-three hundredths

C. Nine and six hundred thirty-four thousandths

D. Nine point six thirty-four

4) A bottle contains $\frac{7}{9}$ liter of juice. You pour $\frac{3}{7}$ of the juice into a glass. How much juice is in the glass? Give the answer in simplest form.

A. $\frac{21}{16}$ liter

B. $\frac{1}{3}$ liter

C. $\frac{4}{16}$ liter

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

5) A rectangular garden bed has dimensions 4 feet long, 3 feet wide, and 2 feet deep. What volume of soil can it hold?

A. 12 cubic feet

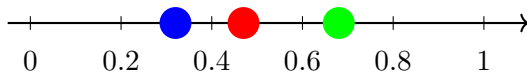
B. 18 cubic feet

C. 24 cubic feet

D. 36 cubic feet

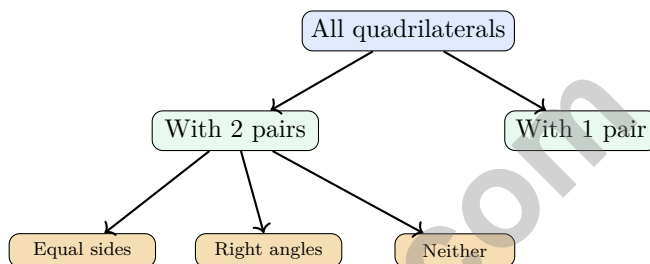


6) Plot these decimals on a number line from 0 to 1: 0.32, 0.47, 0.68.



Which decimal is closest to 0.3?

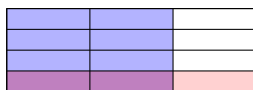
- A. All are the same distance C. 0.68
 B. 0.47 D. 0.32



7)

Using the diagram, which shape would be classified under "2 pairs with equal sides"?

- A. Trapezoid C. Rectangle
 B. Quadrilateral D. Rhombus or Square
- 8) A rectangular piece of fabric has length $\frac{2}{3}$ yard and width $\frac{1}{4}$ yard. The area model below shows the product.



What is the area in square yards?

- A. $\frac{3}{7}$ C. $\frac{2}{7}$
 B. $\frac{1}{6}$ D. $\frac{3}{12}$



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- 1) A diagram shows bar A has length 2 units; bar B has length $2 + 2 + 2 + 2$ units. Which statement is true?

A 

B 

- A. B is 4 times A
- B. B is 4 less than A
- C. B is half of A
- D. B equals A
- 2) Which shows 56.789 rounded to different places?

Rounding to	Result
Nearest whole	57
Nearest tenth	56.8
Nearest hundredth	56.79

Which choice best describes the table?

- A. The nearest whole row is incorrect
- B. The nearest tenth row is incorrect
- C. The nearest hundredth row is incorrect
- D. All rows are correct



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1) A student writes $6 \div \frac{1}{3} = \frac{1}{18}$. What is the mistake?

- A. The quotient should be smaller than 6.
- B. The student should count thirds in 6 wholes: $6 \times 3 = 18$.
- C. The expression should be $\frac{1}{3} \div 6$ for this story.
- D. The expression uses addition, not division.

2) A bookshelf space measures 8 inches long, 5 inches wide, and 6 inches tall. What is its volume?

- A. 40 cubic inches
- B. 30 cubic inches
- C. 48 cubic inches
- D. 240 cubic inches

3) A charity sells raffle tickets. They sell 120 tickets on Friday and 185 tickets on Saturday. Each ticket costs \$2.50. How much money did they make from ticket sales?

- A. \$712.50
- B. \$625.00
- C. \$762.50
- D. \$812.50

4) Convert: 5 km = ? m.

Record your answer in the space provided.

5) Which expression represents 45000 in expanded form using powers of 10?

Number	Breakdown	Power Form
45000	$40000 + 5000$?

- A. $4 \times 10^4 + 5 \times 10^3$
- B. $4 \times 10^3 + 5 \times 10^2$
- C. 45×10^2
- D. 4×10^5



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1) Multiply both numerator and denominator of $\frac{3}{7}$ by 4. Which is the equivalent fraction?

A. $\frac{7}{11}$

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

B. $\frac{3}{28}$

D. $\frac{12}{28}$

2) What is the value of $(2 + 3) \times (2 + 3)$?

A. 10

C. 25

B. 15

D. 30

3) A student made an error. Pattern M is 2, 4, 6, 8. Pattern N is actually 6, 8, 10, 12. Which rule matches Pattern N?

M	N (actual)	Check
2	6	$6 = 2 + 4$ ✓
4	8	$8 = 4 + 4$ ✓

A. N is 3 times M

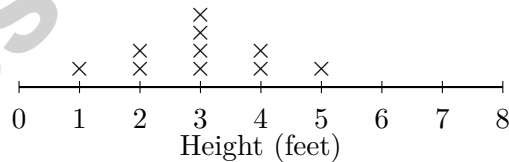
C. N is twice M, then 2 more

B. N is 4 more than M

D. N is 2 more than M

4) The line plot shows the heights (in feet) of saplings in a nursery:

Sapling Heights



What is the total number of saplings?

A. 9

C. 11

B. 10

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

- Choice B is correct.** (5.GM.3.5) Total grams: $150 \times 80 = 12000$ g. Convert: $12000 \div 1000 = 12$ kg.
- The correct answer is 2.4.** (5.N.1.2) Use place-value reasoning to keep the decimal in the correct place. $96 \div 4 = 24$. Place decimal: 2.4. This confirms the answer.
- Choice C is correct.** (5.N.1.2) In 9.634, the decimal part .634 is read as “634 thousandths,” so the full number is “nine and six hundred thirty-four thousandths.”
- Choice B is correct.** (5.N.3.1) $\frac{3}{7} \times \frac{7}{9} = \frac{21}{63}$, which simplifies to $\frac{1}{3}$ liter.
- Choice C is correct.** (5.GM.2.1) The base is $4 \times 3 = 12$ square feet. With a depth of 2 feet, the volume is $12 \times 2 = 24$ cubic feet.
- Choice D is correct.** (5.N.1.2) 0.32 is 0.02 away from 0.3. The decimal 0.47 is 0.17 away, and 0.68 is farther away.
- Choice D is correct.** (5.GM.1.2) Shapes with two pairs of parallel sides and equal sides are Rhombuses or Squares. A Rhombus has equal sides but not all right angles; a Square has both.
- Choice B is correct.** (5.GM.2.1) Area = length \times width = $\frac{2}{3} \times \frac{1}{4} = \frac{2}{12} = \frac{1}{6}$ square yard.
- Choice D is correct.** (5.GM.2.1) $V = 11 \times 3 \times 2 = 66$ m³.
- The correct answer is $\frac{1}{20}$.** (5.N.1.1) $\frac{1}{5} \times \frac{1}{4} = \frac{1}{20}$.
- Choice B is correct.** (5.N.1.1) The small square shows a right angle. The equal legs (marked) show two equal sides, making it isosceles.
- Choice D is correct.** (5.A.1.2) The first coordinate, 3, matches the x-axis label: visits. The second coordinate, 21, matches the y-axis label: books borrowed. So the point means books borrowed is 21 when visits is 3.
- The correct answer is (3, 6).** (5.A.1.2) Move 3 units right for the x-coordinate and 6 units up for the y-coordinate, so the point is (3, 6).
- Choice C is correct.** (5.N.3.1) The first bar model shows $\frac{1}{4}$ and the second bar model shows $\frac{1}{6}$. LCM(4,6) = 12. $\frac{1}{4} = \frac{3}{12}$ and $\frac{1}{6} = \frac{2}{12}$. $\frac{3}{12} + \frac{2}{12} = \frac{5}{12}$.
- Choice A is correct.** (5.GM.1.3) Set X: $2 \times 2 \times 2 = 8$ cubic units. Set Y: $1 \times 2 \times 1 = 2$ cubic units. Since $8 > 2$, Set X gives the larger volume.
- Choice D is correct.** (5.A.1.2) Each output increases by 3. For input 4, $3 \times 4 + 1 = 13$.
- Choice A is correct.** (5.A.1.2) Find each part first: Prism A is $4 \times 2 \times 4 = 32$ cubic centimeters, and Prism B is $3 \times 3 \times 4 = 36$ cubic centimeters. Because the parts do not overlap, add them: $32 + 36 = 68$ cubic centimeters.
- Choice D is correct.** (5.A.1.2) The numbers do not increase by the same amount each time; instead, each term is doubled. Since $10 \times 2 = 20$, $20 \times 2 = 40$, and $40 \times 2 = 80$, the rule is multiply by 2.
- Choices A, B, C are correct.** (5.A.2.3) Volume counts cubic units, so multiply length, width, and height. Adding the dimensions does not find the space inside.
- Choice D is correct.** (5.N.3.2) Common denominator for 3 and 2 is 6. $\frac{1}{3} = \frac{2}{6}$ and $\frac{1}{2} = \frac{3}{6}$.
- Choice C is correct.** (5.N.1.3) $\frac{3}{2} > 1$, so the product is greater than 18.
- Choice C is correct.** (5.GM.2.1) Volume = $30 \times 20 \times 4 = 600 \times 4 = 2400$ m³.
- Choice A is correct.** (5.GM.1.1) A quadrilateral with two pairs of parallel sides and four right angles is a rectangle. Since not all sides are the same length, it is not a square.
- Choice B is correct.** (5.A.1.2) On the y-axis, the x-coordinate is 0. The y-axis is a boundary of the first-quadrant grid, not inside the first quadrant.
- Choice D is correct.** (5.D.1.2) Start with one unit fraction, $\frac{1}{4}$, and share it into 3 equal parts. Each part is $\frac{1}{4} \div 3 = \frac{1}{12}$ of the whole.
- The correct answer is 1.** (5.N.2.1) Mia drinks $250 \times 4 = 1,000$ mL. Since 1,000 mL equals 1 liter, she drinks 1 liter that day.
- Choice A is correct.** (5.N.2.1) $27 \times 30 = 810$; $819 - 810 = 9$. So the quotient is 30 with remainder 9.
- Choice C is correct.** (5.N.2.2) $5 \times 1\frac{1}{5} = 5 \times \frac{6}{5} = \frac{30}{5} = 6$.
- Choice D is correct.** (5.GM.3.5) Convert one yard first: 1 yard = 3 feet, and 3 feet = 36 inches. So $2 \times 36 = 72$ inches.



Dear Hero of This Story,

◇ Once upon a time, there was a brave Grade 5 student who decided to take 8 practice tests. At first, the problems were tough. But the student kept showing up, kept trying, and kept learning. Slowly, the tough problems became easier. The student's confidence grew. By the time the 8th test was finished, that student had become the hero of their own math story. That student is you. ◇

★ **Storytellers know:** every great story has a hard middle. The hard middle is where the hero grows. You've lived your hard middle, and now your story is heading toward a strong ending: a confident test day. ★

Your Hero's Toolkit

- **Brave Heart:** You face hard problems instead of running.
- **Sharp Mind:** You think carefully before you act.
- **Steady Hand:** You write neatly and check your work.
- **Kind Spirit:** You're patient with yourself when you make mistakes.

Storyteller's tip: when you sit down on test day, remember the hero you've become. The chapters before this moment have made you stronger. Now, write your best chapter yet.

If you'd like to share your experience or have questions, please email me at reza@testinar.com. I'd love to hear from you!

Reza Nazari & Jay Daie

Your Math Storyteller (The Best Pages Are Ahead)

$45 \div 5 = ?$

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.



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Boosts test readiness and helps students achieve their best results.

COVERS ALL KEY GRADE 5 MATH TOPICS

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- ✓ Measurement & Data
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Practice with purpose. Succeed with confidence!