

# 9 Oklahoma OSTP

$$256 \div 8 = 32$$



$$48 \times 7 = 336$$

GRADE 4

# MATH

## PRACTICE TESTS

Standards-Aligned Review with  
Mixed Practice and Answer Key



**9 FULL-LENGTH  
PRACTICE TESTS**



**STANDARDS-ALIGNED  
REVIEW**



**MIXED PRACTICE  
BUILD SKILLS & CONFIDENCE**



**ANSWER KEY  
FOR ALL TESTS**



$$\frac{3}{4} + \frac{1}{4} = 1$$



$$725 - 358 = 367$$

PREPARE  
**PRACTICE**  
SUCCEED  
PERFORM

**PRACTICE TODAY.  
SUCCEED TOMORROW.**

# 9 Oklahoma OSTP Grade 4 Math Practice Tests

*Standards-Aligned Review with Mixed Practice and Answer Key*



Nine complete 30-question Grade 4 practice rounds for OSTP, built around red-dirt roads, prairie skies, and clear operation choices, with answer keys and clear explanations for every item.

Jay Daie and Reza Nazari



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# Welcome, Oklahoma Math Explorer!

Nine steady rounds on the Sooner State math route

This book gives you nine full Grade 4 practice tests for OSTP. Each round uses red-dirt roads, prairie skies, and clear operation choices to keep practice memorable while you read carefully, choose a strategy, show work, and check the answer.

## Oklahoma 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 Oklahoma OSTP 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 Sooner 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?

Nine tests, 270 questions, and a full OSTP 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 7–9	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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1) Simplify  $\frac{5}{10}$  by dividing both numerator and denominator by 5. What fraction do you get?

A.  $\frac{1}{2}$

B.  $\frac{1}{5}$

C.  $\frac{5}{5}$

D.  $\frac{0}{5}$

2) Round 55,555 to the nearest ten thousand.

A. 50,000

B. 55,000

C. 56,000

D. 60,000

3) A rectangular poster is 12 inches long and 8 inches wide. How much paper does it cover (what is its area)?



4) Use the place-value table to identify the standard form:

Ten-Thousands	Thousands	Hundreds	Tens	Ones
2	0	9	3	5

A. 209,350

B. 2,935

C. 20,093

D. 20,935

5) A library has 13 shelves. Each shelf holds 64 books. How many books are on these shelves?

A. 832 books

B. 778 books

C. 845 books

D. 912 books



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6) Which decomposition of  $\frac{9}{12}$  has three equal parts?

A.  $\frac{3}{12} + \frac{3}{12} + \frac{3}{12}$

B.  $\frac{2}{12} + \frac{3}{12} + \frac{4}{12}$

C.  $\frac{1}{12} + \frac{4}{12} + \frac{4}{12}$

D.  $\frac{5}{12} + \frac{2}{12} + \frac{2}{12}$

7) Which is NOT equal to  $\frac{2}{4}$ ?

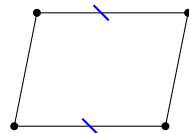
A.  $\frac{1}{4} + \frac{1}{4}$

B.  $\frac{1}{2}$

C.  $\frac{1}{3} + \frac{1}{3}$

D.  $\frac{2}{8} + \frac{2}{8}$

8) Look at this quadrilateral with marked sides. How many sides are equal?



Marked sides

 A. One side B. Two sides C. Three sides D. Four sides

9) An angle is divided into 27 one-degree angles. What is the measure of the angle?

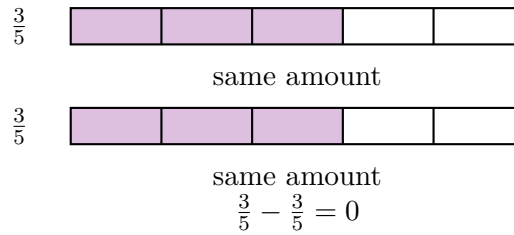
 A.  $27^\circ$  B.  $13.5^\circ$  C.  $54^\circ$  D.  $270^\circ$ 

10) A bakery bakes 3 batches of rolls. Each batch makes 28 rolls. The rolls go into boxes of 8. How many complete boxes can they fill?





1) Which two fractions have a difference of 0?



A.  $\frac{4}{8}$  and  $\frac{3}{8}$

C.  $\frac{3}{5}$  and  $\frac{3}{5}$

B.  $\frac{6}{6}$  and  $\frac{4}{6}$

D.  $\frac{5}{12}$  and  $\frac{7}{12}$

2) Is  $\frac{3}{5}$  greater than or less than  $\frac{1}{2}$ ?

A. Greater than  $\frac{1}{2}$

C. Equal to  $\frac{1}{2}$

B. Less than  $\frac{1}{2}$

D. Cannot determine

3) Round 66,505 to the nearest thousand.

A. 66,000

C. 66,500

B. 70,000

D. 67,000

4) If you rotate a shape by  $45^\circ$ , what fraction of a full turn is this?

A.  $\frac{1}{8}$

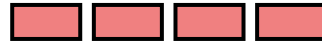
C.  $\frac{1}{4}$

B.  $\frac{1}{6}$

D.  $\frac{1}{3}$



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4 pieces, each  $\frac{1}{2}$  pound

5)

Each piece above weighs  $\frac{1}{2}$  pound. What is the total weight of all 4 pieces?

6) Points that lie on the same line are called:

- A. Vertical points                       C. Parallel points  
 B. Collinear points                       D. Angular points

7) Which decimal is greatest?

- A. 0.48                                       C. 0.44  
 B. 0.84                                       D. 0.41

8) A fraction bar is divided into 5 equal parts. If 2 parts are shaded and each part is  $\frac{1}{10}$ , what fraction is shaded?

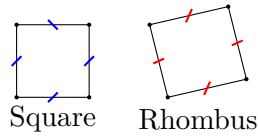
Each part is  $\frac{1}{10}$



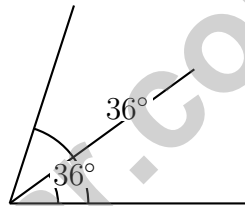
- A.  $\frac{2}{10}$      C.  $\frac{1}{10}$   
 B.  $\frac{2}{5}$      D.  $\frac{5}{2}$



1) Which attribute is shared by both a square and a rhombus?



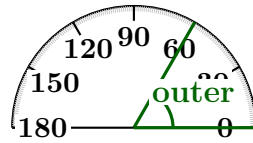
- A. All sides are equal                       C. No parallel sides
- B. All angles are right angles               D. Only three sides
- 2) A ramp is built at an angle. Half of the ramp's total angle is  $36^\circ$ . What is the measure of the entire ramp's angle?



- A.  $36^\circ$      C.  $18^\circ$
- B.  $72^\circ$      D.  $90^\circ$
- 3) A line plot shows four ribbon lengths:  $\frac{1}{8}$  inch,  $\frac{3}{8}$  inch,  $\frac{3}{8}$  inch, and  $\frac{5}{8}$  inch. What is the sum of these measurements?
- A.  $\frac{10}{8}$  inch                                       C.  $\frac{14}{8}$  inch
- B.  $\frac{12}{8}$  inch                                       D.  $\frac{16}{8}$  inch



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4)

When using a protractor, you have two scale choices (inner and outer). If the angle is opened towards the right side of the protractor, which scale should you use?

- A. Always use the inner scale
   
  D. It does not matter which scale you use
- B. Use the outer scale
- C. Use the scale that starts at 180 on the side where the angle opens

5) Mia watches the hour hand on a clock move from 2 to 5. How many degrees does it move?

6) Which is the same as 0.5?

- A.  $\frac{5}{10}$ 
  
  C.  $\frac{50}{10}$
- B.  $\frac{5}{100}$ 
  
  D.  $\frac{50}{1}$

7) Round 56,841 to the nearest thousand.

- A. 56,000
   
  C. 56,800
- B. 60,000
   
  D. 57,000



## 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 A is correct.** (4.N.3.1) Divide both numerator and denominator by 5:  $\frac{5}{10} = \frac{5 \div 5}{10 \div 5} = \frac{1}{2}$ .
- Choice D is correct.** (4.N.1.4) We're rounding to the nearest ten thousand. Look at the thousands digit: 5. Since  $5 \geq 5$ , we round UP! The ten thousands digit changes from 5 to 6, giving us **60,000**. ✓
- The correct answer is 96 sq in.** (4.GM.2.2) Poster area =  $12 \times 8 = 96$  sq in.
- Choice D is correct.** (4.N.3.7) From the table: ten-thousands: 2, thousands: 0, hundreds: 9, tens: 3, ones: 5 → 20,935 ✓
- Choice A is correct.** (4.N.2.5) Multiply by parts:  $13 \times (60 + 4) = 780 + 52 = \mathbf{832}$  books.
- Choice A is correct.** (4.N.3.4) Three pieces, all the same:  $\frac{3}{12} + \frac{3}{12} + \frac{3}{12}$ . Add the numerators:  $3 + 3 + 3 = 9$ , giving  $\frac{9}{12}$ . ✓
- Choice C is correct.** (4.N.3.4) Check the others:  $\frac{1}{4} + \frac{1}{4} = \frac{2}{4} = \frac{1}{2}$  (same as  $\frac{2}{4}$ ), and  $\frac{2}{8} + \frac{2}{8} = \frac{4}{8} = \frac{1}{2}$  (also the same). But  $\frac{1}{3} + \frac{1}{3} = \frac{2}{3}$ , which is NOT equal to  $\frac{2}{4}$ . So  $\frac{1}{3} + \frac{1}{3}$  is the answer.
- Choice B is correct.** (4.GM.1.1) Tick marks indicate which sides are equal. The two sides marked with the same tick marks are equal in length. The answer is **B**.
- Choice A is correct.** (4.GM.2.1) An angle made of 27 one-degree angles has a measure of **27°**.
- The correct answer is 10.** (4.N.2.3) Two steps! Step 1: total rolls:  $3 \times 28 = 84$  rolls. Step 2: pack into boxes of 8:  $84 \div 8 = 10$  remainder 4. The 4 extra rolls don't fill a box, so they fill **10** complete boxes.
- Choice D is correct.** (4.N.4.1) Look for any factor besides 1 and itself.  $25 = 5 \times 5$ , so 5 is a factor too. That gives factors 1, 5, 25—more than two—so 25 is **composite**.
- Choice B is correct.** (4.N.3.4) Start at 0. Hop right by  $\frac{2}{5}$ , then hop right by  $\frac{3}{5}$  more. You land exactly at 1. That's  $\frac{2}{5} + \frac{3}{5} = 1$ .
- Choice B is correct.** (4.D.1.2) Each bottle holds 12 fl oz. He buys 5 bottles, so multiply:  $5 \times 12 = 60$  fl oz. He buys **60** fluid ounces total.
- Choice B is correct.** (4.N.3.4) Sam used some string, so subtract the amount used from what he started with:  $2\frac{2}{4} - 1\frac{1}{4} = 1\frac{1}{4}$  meters of string remains.
- The correct answer is B, E.** (4.N.3.4) Check A:  $\frac{5}{6} - \frac{2}{6} = \frac{3}{6}$ ; no regrouping needed. Check B:  $\frac{1}{5} < \frac{4}{5}$ , so regroup:  $3\frac{1}{5} = 2\frac{6}{5}$ . Regrouping is needed. Correct! Check C: This is addition, so it is not a mixed-number subtraction problem. Check D:  $\frac{2}{10} - \frac{1}{10} = \frac{1}{10}$ ; no regrouping needed. Check E:  $\frac{3}{8} < \frac{6}{8}$ , so regroup:  $2\frac{3}{8} = 1\frac{11}{8}$ . Regrouping is needed. Correct! B and E are the answers.
- Choice B is correct.** (4.GM.1.1) Whether you call it segment  $PQ$  or segment  $QP$ , you're describing the exact same straight path between the two points. The order doesn't matter.
- Choice D is correct.** (4.N.1.3) "2 times as many" means multiply by 2:  $2 \times 100 = 200$  action figures.
- Choice B is correct.** (4.GM.2.1) The ray points to the  $175^\circ$  mark, which is just  $5^\circ$  short of a straight angle ( $180^\circ$ ). This is a very wide obtuse angle. The answer is **175** degrees.
- Choice C is correct.** (4.GM.1.3) The block letter T has one vertical line of symmetry down the center. The left and right halves match, but the top and bottom halves do not. The answer is choice **C**.
- Choice A is correct.** (4.N.3.1) All three simplify to  $\frac{1}{2}$ :  $\frac{2}{4} = \frac{1}{2}$ ,  $\frac{3}{6} = \frac{1}{2}$ ,  $\frac{5}{10} = \frac{1}{2}$ . They're all equal!
- Choice C is correct.** (4.A.2.2) Maya hops by halves:  $\frac{1}{2}, \frac{2}{2}, \frac{3}{2}$ . After 3 hops, she reaches  $\frac{3}{2}$ .
- Choice C is correct.** (4.GM.2.1) An angle can be named in reverse order, but the vertex must stay in the middle. Since  $M$  is the vertex,  $\angle NMO$  and  $\angle OMN$  name the same angle.
- Choice D is correct.** (4.N.3.8) The digit 5 is in the thousands place. Its value is  $5 \times 1,000 = \mathbf{5,000}$ . ✓
- Choice A is correct.** (4.N.3.1) The trailing zero doesn't matter: 0.80 and 0.8 are the same, both equal to  $\frac{8}{10}$ .
- The correct answer is 4.** (4.A.2.2) 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 A is correct.** (4.GM.2.1) A full rotation is  $360^\circ$ . Subtract what you've turned:  $360^\circ - 215^\circ = \mathbf{145^\circ}$ .



## Hi, Brave Explorer!

◇ What a trip! You explored 9 full tests. You went to many math places: multiplication, fractions, area, time, and more. ◇

★ **Smart explorers know:** every trip teaches something. Through 9 tests, you learned a lot. You are a stronger math explorer now. ★

### Your Explorer Tools

- **Map Reading:** You read problems carefully.
- **Trail Skills:** You take steps in the right order.
- **Backpack:** You have many math tools.
- **Brave Heart:** You explore even hard problems.

**Explorer tip:** on test day, use the tools you packed. You have the skills. You are ready!

If you want to share something or ask a question, please email me at [jay@testinar.com](mailto:jay@testinar.com).

**Jay Daie**

Your Math Trail Guide

# PRACTICE TODAY. ACHIEVE TOMORROW!

This **Grade 4 Math Practice Tests** book is designed to help students strengthen essential math skills, build confidence, and develop the problem-solving abilities needed for classroom success and test readiness.

With 9 full-length practice tests, students gain repeated exposure to important Grade 4 concepts while learning how to approach questions with accuracy, confidence, and strong mathematical thinking.

Whether used at home, in the classroom, or for independent review, this book provides meaningful practice that helps students grow stronger with every test.

## PERFECT FOR:

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

★ **CONFIDENCE IN MATH.  
SUCCESS FOR LIFE.**

## WHAT STUDENTS WILL GAIN



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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
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- ✓ And More!



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