

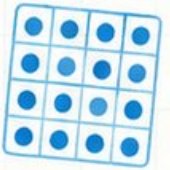
# 10

$$7 \times 8 = 56$$

$$\begin{array}{r} 32 \\ \times 6 \\ \hline 192 \end{array}$$



$$\frac{3}{4}$$



## Oklahoma

## OSTP

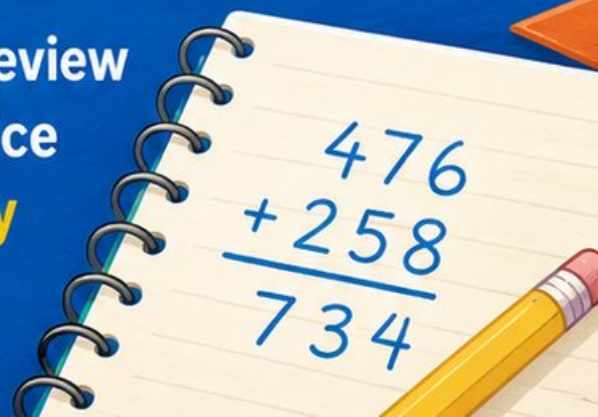
## GRADE 4

## MATH



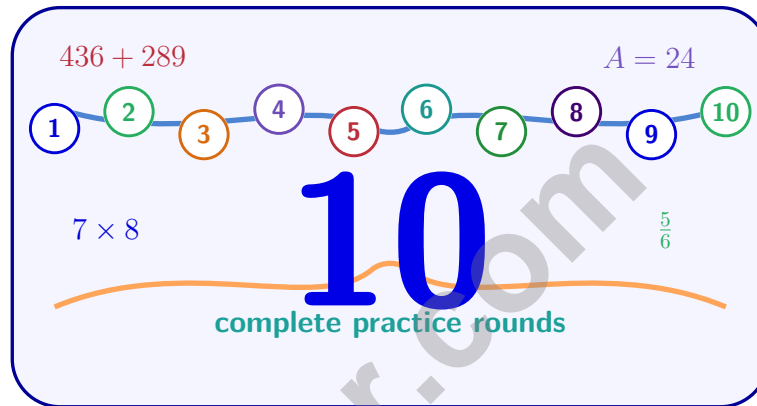
### PRACTICE TESTS

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



# 10 Oklahoma OSTP Grade 4 Math Practice Tests

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



Ten 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!

Ten steady rounds on the Sooner State math route

This book gives you ten 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?

Ten tests, 300 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.
Test 10	Final round to show growth across the whole Oklahoma book.
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.



Scan me!  
For more practice  
& answers

# Table of Contents

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6) A rectangle has a width of 4 inches. The perimeter is 28 inches. What is the length?

- A. 6 in                       C. 10 in  
 B. 8 in                       D. 12 in

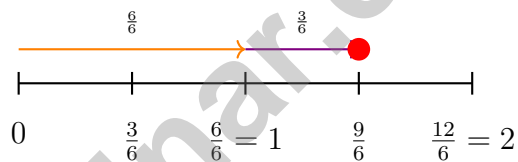
7) What is  $\frac{45}{100}$  as a decimal?

- A. 4.5                       C. 0.045  
 B. 0.45                     D. 45.0

8) The sum  $\frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6}$  equals which single fraction?

- A.  $\frac{6}{36}$                        C.  $\frac{1}{6}$   
 B.  $\frac{6}{6}$                        D.  $\frac{6}{12}$

9) Show  $\frac{9}{6}$  decomposed on a number line:



Which shows the jumps in order?

- A.  $\frac{6}{6} + \frac{3}{6} = \frac{9}{6}$                        C.  $\frac{3}{6} + \frac{5}{6} = \frac{8}{6}$   
 B.  $\frac{1}{3} + \frac{4}{3} = \frac{5}{3}$                        D.  $1 + \frac{1}{3} = \frac{4}{3}$

10) A pattern starts at 50 and follows the rule “subtract 5.” Which list shows the first four terms?

- A. 50, 45, 40, 35                       C. 50, 45, 40, 30  
 B. 50, 55, 60, 65                       D. 50, 40, 30, 20



11) An aquarium has some fish. Another aquarium has 6 times as many fish as the first one. If the second aquarium has 24 fish, how many fish does the first aquarium have?

A. 18

C. 144

B. 30

D. 4

12) A chocolate bar is divided into 5 equal pieces. Ming eats 4 pieces. What fraction of the bar did Ming eat?

A.  $\frac{4}{5}$

C.  $\frac{5}{4}$

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

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

13) Which word form matches this place-value chart?

Ten-Thousands	Thousands	Hundreds	Tens	Ones
5	3	7	9	0

A. Fifty-three thousand, seventy-nine

C. Five hundred thirty-seven

B. Fifty-three thousand, seven hundred nine

D. Five hundred thirty-seven thousand, ninety

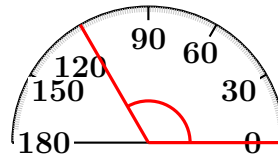
D. Fifty-three thousand, seven hundred ninety

14) A baker needs  $\frac{7}{12}$  cup of sugar and has  $\frac{3}{12}$ . How much more is needed?



Scan me!  
For more practice  
& answers

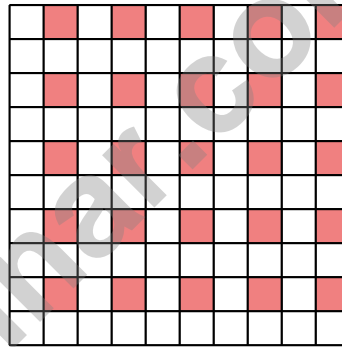
1)



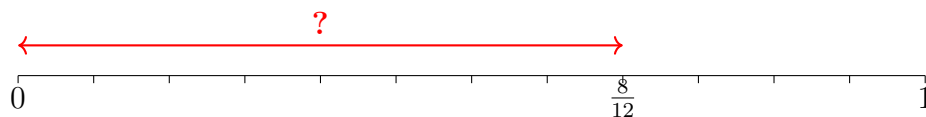
A student measures an angle with a protractor. The angle opens to the 120-degree mark. What type of angle is this?

- A. Acute angle                       C. Obtuse angle  
 B. Right angle                       D. Straight angle

2) How many hundredths are shaded in this grid?



- A. 25 hundredths or 0.25                       C. 75 hundredths or 0.75  
 B. 50 hundredths or 0.50                       D. 100 hundredths or 1.00

3) A number line shows equal hops of  $\frac{1}{12}$ . How many hops reach  $\frac{8}{12}$ ?

- A. 4 hops                                       C. 8 hops  
 B. 6 hops                                       D. 12 hops



Scan me!  
For more practice  
& answers

4) Which number is divisible by 10?

A. 55

C. 120

B. 86

D. 135

5) A regular hexagon (6-sided polygon) has how many lines of symmetry?

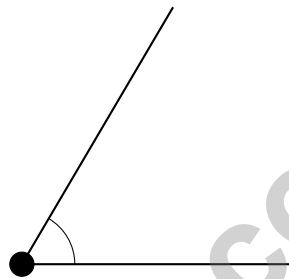
A. 3

C. 6

B. 4

D. 8

6)



Comparing this angle to a straight angle, this angle is:

A. much smaller

C. slightly smaller

B. about the same size

D. much larger

7) Which shows correct estimation for  $47 \times 19$  using rounding?

A.  $50 \times 20 = 1000$

C.  $50 \times 10 = 500$

B.  $40 \times 20 = 800$

D.  $40 \times 10 = 400$



- 1) A farmer has 60 carrots. The farmer has 6 times as many carrots as a gardener. How many carrots does the gardener have?
- A. 6  C. 54  
 B. 66  D. 10
- 2) A baker makes muffins in batches. She makes 6 batches, each with 24 muffins. If she sells muffins in boxes of 9, how many boxes can she fill completely?
- A. 15  C. 18  
 B. 17  D. 16 boxes
- 3) How many unit fractions of  $\frac{1}{2}$  make up  $\frac{2}{2}$ ?
- A. 1  C. 3  
 B. 2  D. 4
- 4) Which expression equals  $\frac{7}{10}$ ?
- A.  $3 \times \frac{1}{10}$   C.  $10 \times \frac{1}{7}$   
 B.  $7 \times \frac{1}{10}$   D.  $\frac{1}{7} \times \frac{1}{10}$
- 5) Olivia uses 9 yards of string for her craft project. How many feet is this?
- A. 18  C. 36  
 B. 27  D. 45





## 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 D is correct.** (4.N.1.4) We're rounding to the nearest thousand. Look at the hundreds digit:  $9 \geq 5$ , so round UP! But 9 becomes 10—a rollover! So  $29,999 \rightarrow 30,000$ . ✓
- Choice A is correct.** (4.N.3.4) The chocolate bar is shared, but some is left over. Step 1: Add what was eaten:  $\frac{5}{10} + \frac{3}{10} = \frac{8}{10}$ . Step 2: Subtract from the whole:  $\frac{10}{10} - \frac{8}{10} = \frac{2}{10}$  left uneaten.
- Choice B is correct.** (4.N.3.4) Since  $\frac{4}{10} < \frac{5}{10}$ , regroup:  $7\frac{4}{10} = 6\frac{14}{10}$ . Subtract:  $6\frac{14}{10} - 2\frac{5}{10} = 4\frac{9}{10}$ .
- The correct answer is 100.** (4.GM.2.1) When two angles combine, add their measures:  $47^\circ + 53^\circ = 100^\circ$ .
- Choice A is correct.** (4.N.2.2) Sam read pages on Monday and more on Tuesday, so we add.  $234 + 189 = 423$  pages total.
- Choice C is correct.** (4.GM.2.2) Use  $P = 2\ell + 2w = 28$  with  $w = 4$ :  $2\ell + 2(4) = 28$ . Solve:  $2\ell + 8 = 28$ , so  $2\ell = 20$ , thus  $\ell = 10$  in.
- Choice B is correct.** (4.N.3.1) Forty-five hundredths is written as 0.45.
- Choice B is correct.** (4.N.3.4) Six unit fractions of  $\frac{1}{6}$  make  $\frac{6}{6}$ , which is one whole. Count: 6 ones make 6 in the numerator.
- Choice A is correct.** (4.N.3.4) Orange arrow jumps to 1 whole ( $\frac{6}{6}$ ), then purple arrow adds  $\frac{3}{6}$ :  $6 + 3 = 9$ . We reach  $\frac{9}{6} = 1\frac{1}{2}$ . ✓
- Choice A is correct.** (4.N.4.1) Apply “subtract 5” starting at 50. Term 1: 50. Term 2:  $50 - 5 = 45$ . Term 3:  $45 - 5 = 40$ . Term 4:  $40 - 5 = 35$ . So the first four terms are 50, 45, 40, 35, which matches choice A.
- Choice D is correct.** (4.A.2.2) We know the second aquarium has 24 fish, and that's 6 times the first. To find the smaller amount, divide:  $24 \div 6 = 4$  fish.
- Choice A is correct.** (4.A.2.2) Since the bar is divided into 5 equal pieces, each piece is  $\frac{1}{5}$ . Ming ate 4 pieces, which equals  $4 \times \frac{1}{5} = \frac{4}{5}$  of the bar.
- Choice D is correct.** (4.N.3.7) From the chart: ten-thousands and thousands give “fifty-three thousand”; hundreds and tens give “seven hundred ninety” ✓
- The correct answer is  $\frac{1}{3}$ .** (4.N.3.4) The baker needs  $\frac{7}{12}$  cup and has  $\frac{3}{12}$ . What's needed:  $7 - 3 = 4$  twelfths more, or  $\frac{4}{12}$  (which simplifies to  $\frac{1}{3}$ ).
- Choice C is correct.** (4.N.3.8) “7 hundreds” means  $7 \times 100 = 700$ . The full number 6,731 confirms this. ✓
- The correct answer is A, B.** (4.N.3.1) A is true: Rewrite  $0.9 = 0.90$ . Compare:  $90 > 89$  hundredths, so  $0.9 > 0.89$ . B is true: 0.09 has 0 tenths while 0.9 has 9 tenths, so  $0.09 < 0.9$ . C is false: they differ by 0.81. D is false:  $0.89 < 0.9$ . E is false:  $0.9 > 0.8$ .
- Choice B is correct.** (4.GM.2.1) The vertex is the point where the two rays of an angle meet. This point must be placed at the center point (the small dot or mark) of your protractor so that all measurements are accurate. The answer is the center point.
- Choice A is correct.** (4.A.2.2) Four eighths:  $4 \times \frac{1}{8} = \frac{4}{8}$ , which is the same as  $\frac{1}{2}$ .
- Choice B is correct.** (4.N.3.1) Convert to twelfths:  $\frac{1}{6} = \frac{2}{12}$ ,  $\frac{5}{12} = \frac{5}{12}$ ,  $\frac{1}{2} = \frac{6}{12}$ . Since  $2 < 5 < 6$ , the order is  $\frac{1}{6}$ ,  $\frac{5}{12}$ ,  $\frac{1}{2}$ .
- Choice B is correct.** (4.D.1.3) Check each option. A: 2 hours =  $2 \times 60 = 120$  min, not 100 min. B: 3 minutes =  $3 \times 60 = 180$  seconds. Correct! C: 1 day =  $24 \times 60 = 1,440$  min, not 1,200 min. D: 4 hours =  $4 \times 60 = 240$  min, not 250 min. The answer is B.
- Choice C is correct.** (4.GM.1.1) A right triangle has exactly one angle that measures 90 degrees and two other angles that are both acute (less than 90 degrees). This combination defines a right triangle. The answer is C.
- Choice A is correct.** (4.GM.2.1) One-sixth of the circle is  $\frac{1}{6} \times 360^\circ = 60^\circ$ .
- Choice D is correct.** (4.D.1.1) Count X marks at values  $\geq \frac{3}{4}$  inch. At  $\frac{3}{4}$  inch: 3 marks. At  $\frac{5}{4}$  inches: 2 marks. At  $\frac{7}{4}$  inches: 1 mark. Total:  $3 + 2 + 1 = 6$  marks.
- Choice B is correct.** (4.A.2.2) Each plant needs  $\frac{1}{6}$  gallon, and Olivia has 8 plants. Multiply:  $8 \times \frac{1}{6} = \frac{8 \times 1}{6} = \frac{8}{6} = 1\frac{1}{3}$  gallons. The answer is  $1\frac{1}{3}$  gallons.
- Choice B is correct.** (4.GM.2.1) The vertex is the point where the two rays of an angle meet.



A Quiet Word From Your Mentor

---

Hi, Thoughtful Student,

◇ I want to take a moment to tell you something true: you did excellent work. 10 practice tests is a real promise that you kept to yourself. That matters. ◇

★ **Mentors notice:** growth is quiet. It doesn't shout. But it shows up in how you handle a problem today vs how you did weeks ago. That growth is your real prize. ★

**What I See in You**

- **Hard Work:** You don't quit when problems are tough.
- **Curiosity:** You wonder why and how.
- **Kindness:** You are patient with yourself.
- **Brave Heart:** You try things that scare you.

**Mentor's note:** on test day, treat yourself like you would a friend. Be kind. Be patient. Be encouraging. The skills are inside you!

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 Mentor

# PRACTICE TODAY. ACHIEVE TOMORROW!

This **Grade 4 Math Practice Tests** book is designed to help students build strong math skills, boost confidence, and succeed in the classroom and beyond. With 10 full-length practice tests that reflect real test formats, students get the targeted practice they need to master key concepts, improve problem-solving abilities, and achieve their goals.

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