

# 8 Oklahoma OSTP GRADE 4

## PRACTICE TESTS



Standards-Aligned Review with  
Mixed Practice and Answer Key

**COMPREHENSIVE  
TEST PREP**

Includes Solutions

# 8 Oklahoma OSTP Grade 4 Math Practice Tests

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



Eight 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!

Eight steady rounds on the Sooner State math route

This book gives you eight 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?

Eight tests, 240 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 6–8	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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For more practice  
& answers

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1) Which of the following equals  $\frac{11}{12}$ ?

A.  $11 + \frac{1}{12}$

B.  $11 \times \frac{1}{12}$

C.  $\frac{1}{11} \times 12$

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

2) Ming collected rock weights in fourths of an ounce:  $\frac{1}{4}$ ,  $\frac{1}{4}$ ,  $\frac{2}{4}$ ,  $\frac{1}{4}$ ,  $\frac{3}{4}$ . If plotted, which weight would have the tallest stack of X marks?

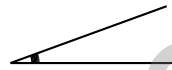
A.  $\frac{1}{4}$  oz

B.  $\frac{2}{4}$  oz

C.  $\frac{3}{4}$  oz

D.  $\frac{4}{4}$  oz

3)



What is the measure of this angle?

A.  $10^\circ$

B.  $20^\circ$

C.  $40^\circ$

D.  $2^\circ$

4) Which fraction is equivalent to  $\frac{1}{5}$  and has a denominator of 10?

A.  $\frac{1}{10}$

B.  $\frac{5}{10}$

C.  $\frac{3}{10}$

D.  $\frac{2}{10}$

5) Chen has 4 boxes of pencils. Each box has the same number of pencils. If Chen has 32 pencils total, how many pencils are in each box?

A. 6

B. 12

C. 10

D. 8



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6) One batch of a recipe uses  $\frac{2}{5}$  cup of flour. If you make 3 batches, how much flour do you use?

A.  $\frac{2}{15}$  cup

B.  $\frac{6}{5}$  cups (or  $1\frac{1}{5}$  cups)

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

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

7) Which correctly shows  $\frac{7}{8}$  as a sum of unit fractions?

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

B.  $\frac{1}{7} + \frac{1}{7} + \frac{1}{7} + \frac{1}{7} + \frac{1}{7} + \frac{1}{7} + \frac{1}{7}$

C.  $\frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8}$

D.  $\frac{1}{8}$  seven times plus  $\frac{1}{1}$

8) Round 34,750 to the nearest thousand.

9) A rectangle has a length of 11 feet and a width of 7 feet. What is its perimeter?

A. 36 ft

B. 18 ft

C. 54 ft

D. 77 ft

10) Diego ran 3,456 meters on Monday and 2,789 meters on Wednesday. How much farther did he run on Monday?

A. 667 meters

B. 767 meters

C. 677 meters

D. 777 meters



11) What is  $2,800 \div 7$ ?

A. 400

C. 410

B. 390

D. 420

12) Jackson has  $3\frac{5}{6}$  cups of juice. He drinks  $2\frac{2}{6}$  cups. How much juice remains?

A.  $1\frac{3}{6}$

C.  $5\frac{7}{6}$

B.  $1\frac{2}{6}$

D.  $2\frac{3}{6}$

13) A pet store has 8 goldfish. It has 6 times as many guppies as goldfish. How many more guppies than goldfish does the store have?

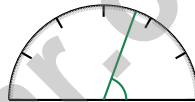
A. 48

C. 6

B. 14

D. 40

14)



What is the measure of the angle shown, rounded to the nearest 10 degrees?

A. 70 degrees

C. 80 degrees

B. 60 degrees

D. 90 degrees

15) Ava splits a granola bar into 6 equal pieces. She gives away 4 pieces. Write the fraction given away as a sum of unit fractions.

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

C.  $\frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6}$

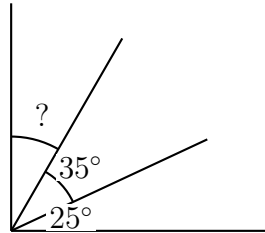
B.  $\frac{4}{6}$

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



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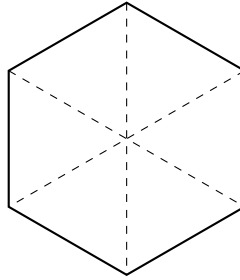
- 1) A right angle measures  $90^\circ$ . It is divided into three parts: the first is  $25^\circ$ , the second is  $35^\circ$ . What is the measure of the third part?



- A.  $30^\circ$                        C.  $90^\circ$   
 B.  $60^\circ$                        D.  $10^\circ$
- 2) A factory produces 46 widgets per hour. If the factory runs for 12 hours, how many widgets are produced?
- A. 552 widgets                       C. 485 widgets  
 B. 598 widgets                       D. 621 widgets
- 3) Noah measured an angle and found it has 75 one-degree angles. What is the measure of the angle?
- A.  $75^\circ$                        C.  $7.5^\circ$   
 B.  $150^\circ$                        D.  $750^\circ$



4) How many lines of symmetry does this regular hexagon have?



A. 3

C. 5

B. 4

D. 6

5) Round 11,550 to the nearest hundred.

A. 11,500

C. 11,550

B. 11,000

D. 11,600

6) Look at the base-ten model below. Which number does it represent?



A. 5,373

C. 5,307

B. 3,570

D. 5,037

7) Ming read 1,234 pages in one month and 2,567 pages the next month. How many pages did she read in both months combined?



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1) What is  $6 \times \frac{2}{3}$ ?

A.  $\frac{2}{18}$

B.  $\frac{8}{3}$

C. 4

D.  $\frac{6}{5}$

2) Look at the numbers: 1,111, 2,222, 3,333. In each number, the value of the digit in the thousands place is how many times the value of the digit in the hundreds place?

 A. 1 time B. Equal C. 100 times D. 10 times

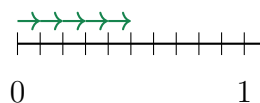
3) Complete the comparison:  $0.2$  \_\_\_\_\_  $0.21$

 A.  $>$  B.  $<$  C.  $=$  D. Cannot tell

4) Tom has 8 red crayons. He has 3 times as many blue crayons as red crayons. How many blue crayons does Tom have?

 A. 11 B. 20 C. 32 D. 24

5) Lia jumped  $\frac{1}{10}$  of the way along a line, five times. Where did she land?



A.  $\frac{1}{10}$

B.  $\frac{3}{10}$

C.  $\frac{5}{10}$

D.  $\frac{10}{10}$



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6) Sam has \$0.25. Write this amount as a fraction of a dollar.

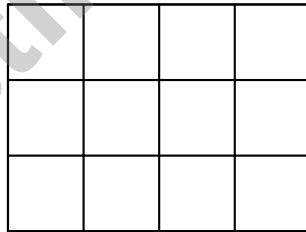
7) Which statement about the diagram is correct?



- |  |  |
|--|--|
| <input type="checkbox"/> A. Point $B$ is on segment $AC$ | <input type="checkbox"/> C. Point $C$ is on segment $AB$   |
| <input type="checkbox"/> B. Point $A$ is on segment $BC$ | <input type="checkbox"/> D. All three points are endpoints |

8) Write  $\frac{6}{4}$  as a mixed number.

9)



Each square in the grid above is 1 square unit. How many square units cover the rectangle?

- |   |   |
|---|---|
| <input type="checkbox"/> A. 7 sq units  | <input type="checkbox"/> C. 12 sq units |
| <input type="checkbox"/> B. 10 sq units | <input type="checkbox"/> D. 14 sq units |



## 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

- 1) **Choice B is correct.** (4.A.2.2) The fraction  $\frac{11}{12}$  tells us the numerator is 11 and the unit fraction is  $\frac{1}{12}$ . So we have 11 copies of  $\frac{1}{12}$ , or  $11 \times \frac{1}{12}$ .
- 2) **Choice A is correct.** (4.D.1.1) Count the occurrences:  $\frac{1}{4}$  oz appears 3 times (the most!),  $\frac{2}{4}$  oz once, and  $\frac{3}{4}$  oz once. So  $\frac{1}{4}$  oz has the tallest stack.
- 3) **Choice B is correct.** (4.GM.2.1) The tick marks go from  $0^\circ$  to  $20^\circ$ , so this angle measures  $20^\circ$ .
- 4) **Choice D is correct.** (4.N.3.1) Multiply both numerator and denominator by 2 to get a denominator of 10:  $\frac{1}{5} = \frac{1 \times 2}{5 \times 2} = \frac{2}{10}$ .
- 5) **Choice D is correct.** (4.N.1.3) Equal groups of pencils make a multiplication picture:  $4 \times ? = 32$ . To find the size of each group, divide:  $32 \div 4 = 8$  pencils per box.
- 6) **Choice B is correct.** (4.A.2.2) Making 3 batches, each using  $\frac{2}{5}$  cup of flour, means we multiply:  $3 \times \frac{2}{5} = \frac{6}{5}$  cups.
- 7) **Choice A is correct.** (4.N.3.4)  $\frac{7}{8}$  means “seven eighths,” so we need seven  $\frac{1}{8}$  pieces:  $\frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8}$  ✓.
- 8) **The correct answer is 35,000.** (4.N.1.4) We’re rounding to the nearest thousand. The hundreds digit is  $7 \geq 5$ , so we round UP from 34,000 to **35,000**. ✓
- 9) **Choice A is correct.** (4.GM.2.2)  $P = 2(11) + 2(7) = 22 + 14 = 36$  ft.
- 10) **Choice A is correct.** (4.N.2.2) “How much farther” asks us to subtract.  $3,456 - 2,789 = 667$  meters.
- 11) **Choice A is correct.** (4.N.2.5) Notice:  $28 \div 7 = 4$  and  $0 \div 7 = 0$ . So the quotient is **400**.
- 12) **Choice A is correct.** (4.N.3.4) Jackson starts with juice and drinks some. Subtract the amount he drinks:  $3\frac{5}{6} - 2\frac{2}{6} = 1\frac{3}{6}$  cups of juice remain.
- 13) **Choice D is correct.** (4.A.2.2) Step 1: find the guppies:  $8 \times 6 = 48$ . Step 2: “how many *more*” is a subtraction:  $48 - 8 = 40$ . The store has **40** more guppies than goldfish.
- 14) **Choice A is correct.** (4.GM.2.1) This angle measures about  $70^\circ$ . When we round to the nearest 10 degrees, it stays at  $70^\circ$  because  $70^\circ$  is right at the mark. The answer is **70** degrees.
- 15) **Choice C is correct.** (4.N.3.4) Ava gave away 4 pieces out of 6 equal pieces, which is  $\frac{4}{6}$ . As a sum of unit fractions:  $\frac{4}{6} = \underbrace{\frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6}}_{4 \text{ copies}}$ .
- 16) **The correct answer is 60.** (4.N.3.7) The tens place (second from right) has the digit 6. Its value:  $6 \times 10 = 60$  ✓
- 17) **The correct answer is A, D.** (4.N.3.1) Option A: Convert  $\frac{3}{10} = \frac{30}{100}$ , so  $\frac{30}{100} + \frac{40}{100} = \frac{70}{100}$  (true). Option D: Divide by 10 to get  $\frac{20}{100} = \frac{2}{10}$  (true). The others are false: B is reversed ( $7$  tenths  $<$   $65$  hundredths), C is wrong ( $\frac{5}{10} = \frac{50}{100}$ , not  $\frac{5}{100}$ ), and E is very wrong ( $\frac{1}{10} \neq 1$ ).
- 18) **Choice D is correct.** (4.N.2.3) Two steps! Step 1: find the total pages printed:  $250 \times 3 = 750$  pages. Step 2: take away the removed pages:  $750 - 105 = 645$  pages left.
- 19) **Choice C is correct.** (4.GM.2.1) The interior of an angle is the space inside, between the two rays.
- 20) **Choice D is correct.** (4.N.4.1) Try dividing 11 by 2, 3, 4, 5—none of them divide evenly. So 11’s only factors are 1 and itself. *Exactly two factors = prime*.
- 21) **Choice A is correct.** (4.GM.2.1) The crease splits the angle into two parts. Subtract to find the other:  $134^\circ - 67^\circ = 67^\circ$ .
- 22) **The correct answer is  $1\frac{1}{4}$ .** (4.N.3.4) Add fourths:  $3 + 2 = 5$  fourths. That’s  $\frac{5}{4}$ , which is more than one whole, so it equals  $1\frac{1}{4}$ .
- 23) **Choice C is correct.** (4.A.2.2)  $6 \times \frac{1}{10} = \frac{6}{10}$ , so they’re exactly equal!
- 24) **Choice C is correct.** (4.D.1.2) Sophia reads 15 minutes in the morning and 20 minutes in the evening. Add:  $15 + 20 = 35$  minutes. She reads **35** minutes each day.
- 25) **Choice C is correct.** (4.N.3.1) Both bars show identical shading. They’re equivalent:  $\frac{4}{6} = \frac{2}{3}$ .
- 26) **Choice D is correct.** (4.N.4.1) Check the differences:  $18 - 12 = 6$ ,  $24 - 18 = 6$ . Each increases by 6 (multiples of 6). ✓



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& answers

## Hi, Brave Explorer!

◇ What a trip! You explored 8 full tests. You went to many math places: multiplication, fractions, area, time, and more. ◇

★ **Smart explorers know:** every trip teaches something. Through 8 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

# 8 PRACTICE TESTS.

## PREPARE. PRACTICE. SUCCEED!

This **Grade 4 Math Practice Tests** book is designed to help students build strong math skills, master essential concepts, and boost confidence for success in the classroom and beyond.

Featuring 8 full-length practice tests, a variety of question types, and detailed answer explanations, this book provides the practice and support students need to improve accuracy, strengthen problem-solving abilities, and achieve their best.

Perfect for classroom use, homework, test preparation, and extra practice at home.

### PERFECT FOR:

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

★ CONFIDENCE IN MATH.  
SUCCESS FOR LIFE.

### WHAT STUDENTS WILL GAIN



#### Stronger Math Skills

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
- ✓ Graphs & Data Interpretation
- ✓ Mathematical Reasoning
- ✓ And More!



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### MORE PRACTICE. GREATER RESULTS.

Give your child the tools needed to develop strong math skills, confidence, and a positive attitude toward learning.

A COMPLETE  
PRACTICE EXPERIENCE  
TO HELP STUDENTS THRIVE!



Builds Confidence Through Practice



Strengthens Critical Thinking & Problem Solving



Encourages Independent Learning



Prepares Students for Future Success