

# 7

# Oregon

## OSAS

## GRADE 4 MATH

# PRACTICE TESTS

Standards-Aligned Review with  
Mixed Practice and Answer Key



$$\begin{array}{r} 25 \\ +37 \\ \hline 62 \end{array}$$

$$\begin{array}{r} 8 \times 7 \\ = \\ 56 \end{array}$$



7 Full-Length  
Practice Tests



Standards-  
Aligned



Build Confidence  
and Skills



Mixed Question  
Types

**ANSWER  
KEY**

**INCLUDED**

# 7 Oregon OSAS Grade 4 Math Practice Tests

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



Seven complete 30-question Grade 4 practice rounds for OSAS, built around forest paths, coast cliffs, and thoughtful model drawing, with answer keys and clear explanations for every item.

**Jay Daie and Reza Nazari**



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# Welcome, Oregon Math Explorer!

Seven steady rounds on the Beaver State math route

This book gives you seven full Grade 4 practice tests for OSAS. Each round uses forest paths, coast cliffs, and thoughtful model drawing to keep practice memorable while you read carefully, choose a strategy, show work, and check the answer.

## Oregon 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 Oregon OSAS 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 Beaver 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?

Seven tests, 210 questions, and a full OSAS 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 5–7	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.

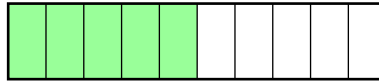


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& answers

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1) Look at the model.



Which answer uses tenths to match this model?

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

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

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

D.  $\frac{6}{10}$

2) An angle is labeled  $77^\circ$ . What is its measure in degrees?

3) Emma has 6 books. Her sister has 3 times as many. How many books does her sister have?

A. 9

B. 3

C. 6

D. 18

4) Subtract:  $45,000 - 18,234 = ?$

A. 26,766

B. 27,766

C. 26,776

D. 28,766



5) What is  $5 \times 234$ ?

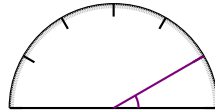
A. 1170

C. 1070

B. 965

D. 855

6)



What is the measure of the angle shown?

A. 30 degrees

C. 60 degrees

B. 45 degrees

D. 90 degrees

7) Express 0.68 as a fraction and read it aloud.

A.  $\frac{68}{10}$ ; sixty-eight tenths

C.  $\frac{68}{100}$ ; sixty-eight hundredths

B.  $\frac{6}{8}$ ; six eighths

D.  $\frac{68}{1000}$ ; sixty-eight thousandths

8) Write  $2\frac{5}{6}$  as an improper fraction.

9) A recipe calls for  $\frac{1}{2}$  cup of butter and  $\frac{1}{2}$  cup of sugar. How much butter and sugar combined?



Butter  
 $\frac{1}{2}$



Sugar  
 $\frac{1}{2}$

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

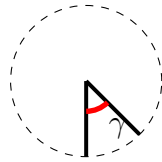
C.  $\frac{2}{4}$  cup

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

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



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10)

What is the measure of angle  $\gamma$ ?

- A.  $45^\circ$                        C.  $90^\circ$   
 B.  $60^\circ$                        D.  $135^\circ$

11) A right angle measures  $90^\circ$ . If it is divided into two angles measuring  $35^\circ$  and another angle, what is the measure of the unknown angle?

- A.  $45^\circ$                        C.  $125^\circ$   
 B.  $55^\circ$                        D.  $35^\circ$

12) A roll of tape has  $\frac{1}{8}$  meter of tape. How much tape is on 6 rolls?

- A.  $\frac{1}{48}$  meter                       C.  $\frac{6}{48}$  meter  
 B.  $\frac{6}{8}$  meters (or  $\frac{3}{4}$  meters)                       D. 6 meters

13) A repeating pattern is: apple, banana, orange, apple, banana, orange. What is the 7th item?

- A. Grape                       C. Orange  
 B. Banana                       D. Apple

14) Which fraction is equivalent to  $\frac{4}{8}$ ?

- A.  $\frac{1}{4}$                        C.  $\frac{3}{4}$   
 B.  $\frac{5}{8}$                        D.  $\frac{1}{2}$

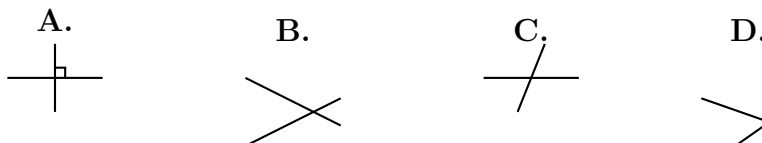




5) A room is 15 feet long and 12 feet wide. What is the area of the floor?

- A. 27 sq ft                       C. 180 sq ft  
 B. 54 sq ft                       D. 120 sq ft

6) Which diagram shows two perpendicular lines?



- A. Diagram A                       C. Diagram C  
 B. Diagram B                       D. Diagram D

7) A line plot with eighths shows data at:  $\frac{2}{8}$  (2 X marks),  $\frac{4}{8}$  (3 X marks),  $\frac{6}{8}$  (1 X mark).  
What is the range of this data?

- A.  $\frac{2}{8}$                                        C.  $\frac{4}{8}$   
 B.  $\frac{3}{8}$                                        D.  $\frac{5}{8}$

8) What is  $3,564 \div 6$ ?

- A. 594                                       C. 614  
 B. 604                                       D. 584

9) In the number 7,707, the digit 7 in the hundreds place has a value that is how many times the digit 7 in the ones place?

- A. 10                                       C. 1,000  
 B. 1                                         D. 100



1) Multiply the numerator and denominator of  $\frac{3}{5}$  by 2. What fraction do you get?

A.  $\frac{6}{10}$

B.  $\frac{5}{7}$

C.  $\frac{3}{7}$

D.  $\frac{6}{7}$

2) Order these fractions from least to greatest:  $\frac{1}{6}$ ,  $\frac{5}{12}$ ,  $\frac{1}{2}$ .

A.  $\frac{1}{2}$ ,  $\frac{5}{12}$ ,  $\frac{1}{6}$

B.  $\frac{1}{6}$ ,  $\frac{5}{12}$ ,  $\frac{1}{2}$

C.  $\frac{5}{12}$ ,  $\frac{1}{6}$ ,  $\frac{1}{2}$

D.  $\frac{1}{2}$ ,  $\frac{1}{6}$ ,  $\frac{5}{12}$

3) A candy shop sells 3 large bags of candy. Each bag weighs 16 ounces. How many ounces is that total? If they sell for \$4 per bag, how much money do they make?

 A. 13 ounces and \$10 B. 16 ounces and \$12 C. 48 ounces and \$16 D. 48 ounces and \$12

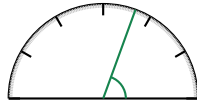
4) What is the next number in the sequence? 3, 6, 12, 24, 48, \_\_

5) Which of these statements about the letter *R* is correct?

 A. It has 1 line of symmetry B. It has 2 lines of symmetry C. It has no line of symmetry D. It has many lines of symmetry

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6)



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

7) Noah measured an angle and found it has 75 one-degree angles. What is the measure of the angle?

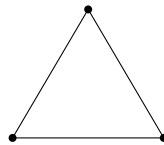
- A. 75°                                       C. 7.5°  
 B. 150°                                    D. 750°

8) Expand 2,814 using the place-value model:

Thousands	Hundreds	Tens	Ones
2	8	1	4

- A. 2,000 + 8,000 + 14               C. 2 + 8 + 1 + 4  
 B. 2,000 + 80 + 14                   D. 2,000 + 800 + 10 + 4

9) Look at the triangle. Which type is it?



- A. Right triangle                       C. Acute triangle  
 B. Obtuse triangle                    D. Right obtuse triangle

## 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 B is correct.** (4.NF.C.5) The bar is split into 10 equal sections with 5 shaded. This represents  $\frac{5}{10}$ .
- The correct answer is  $77^\circ$ .** (4.GM.C.7) The label gives the angle measure:  $77^\circ$ .
- Choice D is correct.** (4.OA.A.1) “3 times as many” is a multiplication signal. Emma’s sister has  $6 \times 3 = 18$  books.
- Choice A is correct.** (4.NBT.B.4) Subtracting from 45,000 takes regrouping across all those zeros. Borrow from the thousands ( $5 \rightarrow 4$ ); the chain of zeros becomes 9s except the rightmost, which becomes 10. Now subtract column by column:  $10 - 4 = 6$ ,  $9 - 3 = 6$ ,  $9 - 2 = 7$ ,  $4 - 8$  requires another borrow (so  $14 - 8 = 6$ , ten-thousands  $4 \rightarrow 3$ ), and  $3 - 1 = 2$ . Result: **26,766**. ✓
- Choice A is correct.** (4.NBT.B.5) Break 234 into hundreds, tens, and ones:  $5 \times (200 + 30 + 4) = 1000 + 150 + 20 = \mathbf{1170}$ .
- Choice A is correct.** (4.GM.C.8) One ray sits on the baseline at  $0^\circ$ , and the other ray points to the  $30^\circ$  mark. Since  $30^\circ < 90^\circ$ , this is an acute angle. The answer is **30** degrees.
- Choice C is correct.** (4.NF.C.5) 0.68 uses both the tenths place (the 6) and the hundredths place (the 8), so it equals  $\frac{68}{100}$  or sixty-eight hundredths.
- The correct answer is  $\frac{17}{6}$ .** (4.NF.B.3) Two wholes need  $2 \times 6 = 12$  sixths. Add the  $\frac{5}{6}$  part:  $12 + 5 = 17$ , so  $2\frac{5}{6} = \frac{17}{6}$ . ✓
- Choice B is correct.** (4.NF.B.3) The recipe calls for  $\frac{1}{2}$  cup of butter plus  $\frac{1}{2}$  cup of sugar. Together:  $1 + 1 = 2$  halves, which equals 1 whole cup.
- Choice A is correct.** (4.GM.C.7) The diagram shows an angle between a downward ray and a diagonal ray. The measure is  $45^\circ$ .
- Choice B is correct.** (4.GM.C.9) A right angle is  $90^\circ$ . Subtract the known part:  $90^\circ - 35^\circ = \mathbf{55^\circ}$ .
- Choice B is correct.** (4.NF.B.4) Six rolls of tape, each with  $\frac{1}{8}$  meter, contain  $6 \times \frac{1}{8} = \frac{6}{8}$ , which simplifies to  $\frac{3}{4}$  meters.
- Choice D is correct.** (4.OA.B.4) The pattern repeats every 3 items, like a wheel turning around. To find position 7, divide:  $7 \div 3 = 2$  remainder 1. The remainder 1 tells us we land on the *1st item in the cycle*, which is **apple**. *Quick check:* positions 1, 4, 7 all land on apple. ✓
- Choice D is correct.** (4.NF.A.1) Divide both top and bottom by 2:  $\frac{4}{8} = \frac{4 \div 2}{8 \div 2} = \frac{2}{4}$ . Then divide again by 2:  $\frac{2}{4} = \frac{1}{2}$ .
- The correct answer is B, D.** (4.OA.A.3) Divide:  $125 \div 30 = 4$  remainder 5. Four buses fit only 120 students, so we round up to 5 buses (choice B is correct). The fifth bus carries the remainder—5 students (choice D is correct). Choice A undercounts; choice C is wrong because  $115 \div 30$  still needs 4 buses; choice E is wrong because  $3 \times 30 = 90$ , far fewer than 125.
- The correct answer is 42.** (4.GM.C.7) Noah’s angle measures  $42^\circ$ , meaning it contains **42** one-degree angles.
- Choice A is correct.** (4.NF.B.3) The fabric strip shows three parts. Red and blue are filled, white is empty. Step 1: Add the colored parts:  $\frac{2}{6} + \frac{2}{6} = \frac{4}{6}$ . Step 2: Subtract from the whole:  $\frac{6}{6} - \frac{4}{6} = \frac{2}{6}$  is white.
- Choice C is correct.** (4.GM.B.4) Sophia reads 15 minutes in the morning and 20 minutes in the evening. Add:  $15 + 20 = 35$  minutes. She reads **35** minutes each day.
- Choice B is correct.** (4.GM.B.6) From the diagram: 10 in long and 2 in wide. Perimeter =  $2(10) + 2(2) = 20 + 4 = 24$  in.
- Choice B is correct.** (4.NF.C.5) Compare tenths:  $6 < 7$ . Among the two with tenths = 6, compare hundredths:  $0 < 7$ , so  $0.6 < 0.67$ . Among the two with tenths = 7, compare hundredths:  $0 < 7$ , so  $0.7 < 0.77$ .
- Choice D is correct.** (4.NBT.B.6) Long division:  $3 \div 8 = 0$  r3, bring down the 2 to get  $32 \div 8 = 4$ , bring down the 4 to get  $4 \div 8 = 0$  r4, bring down the 8 to get  $48 \div 8 = 6$  with no remainder. The answer is **406**.
- Choice A is correct.** (4.NF.B.3) In the bar, 8 equal parts total with 3 shaded. So  $\frac{3}{8}$  is shown, which is three unit fractions of  $\frac{1}{8}$ .
- Choice D is correct.** (4.OA.A.2) “2 times as many” means multiply by 2:  $2 \times 16 = 32$  toy cars.
- Choice C is correct.** (4.GM.A.2) This description fits a rectangle: two pairs of parallel sides, four right angles, and opposite sides equal (though not all four sides equal). These are the defining properties of a rectangle. The answer is C.
- Choice A is correct.** (4.GM.A.1) Every line segment has exactly two endpoints — the places where it starts and stops. Here that’s X and Y.



## Hi, Brave Trail-Walker!

◇ You walked all 7 miles of the practice trail. Smooth paths, steep climbs, narrow passes. Every step taught you something. ◇

★ **Trail guides know:** the most important thing is to keep moving. Slow steps still get you there. You have a steady stride now. ★

### Trail Survey

- **Route Knowledge:** You know lots of problem types.
- **Steady Pace:** You don't rush. You don't stop.
- **Pack Loaded:** You have all the math tools you need.
- **Confidence:** You trust your training.

**Guide's tip:** on test day, stay on the trail you've walked before. Use the strategies you've practiced. Trust the route. The summit is one steady walk away!

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

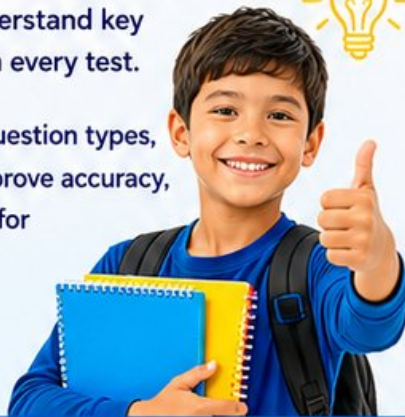
**Jay Daie**

Your Math Trail Guide

# 7 FULL-LENGTH TESTS TO MASTER GRADE 4 MATH!

This **Grade 4 Math Practice Tests** book provides the practice your child needs to build strong math skills, understand key concepts, and gain the confidence to succeed on every test.

With 7 full-length practice tests, a wide range of question types, and detailed answer explanations, students will improve accuracy, strengthen problem-solving abilities, and prepare for classroom success and beyond.



## PERFECT FOR:

- ✓ Classroom Practice
- ✓ Homework & Review
- ✓ Independent Learning
- ✓ Test Preparation
- ✓ Confidence Building
- ✓ 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.

$$\begin{array}{r} 45 \\ -17 \\ \hline 28 \end{array}$$



$$7 \times 8 = 56$$

## TOPICS COVERED

- ✓ Place Value & Number Sense
- ✓ Multi-Digit Addition & Subtraction
- ✓ Multiplication & Division
- ✓ Fractions & Equivalent Fractions
- ✓ Decimals & Comparing Numbers
- ✓ Geometry & Shapes
- ✓ Measurement & Data
- ✓ Perimeter & Area
- ✓ Word Problems
- ✓ Patterns & Algebraic Thinking
- ✓ Graphs & Data Interpretation
- ✓ And More!



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7 Full-Length Practice Tests



Standards-Aligned



Build Confidence and Skills



Mixed Question Types



Answer Key Included