

# 9

$$256 \div 8 = 32$$



$$48 \times 7 = 336$$

# Oregon OSAS

## 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 Oregon OSAS Grade 4 Math Practice Tests

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



Nine 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!

Nine steady rounds on the Beaver State math route

This book gives you nine 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?

Nine tests, 270 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 7–9	Stamina rounds for mixed review, neat work, and flexible strategies.
Answer Pages	Compact keys and explanations that show why each answer works.

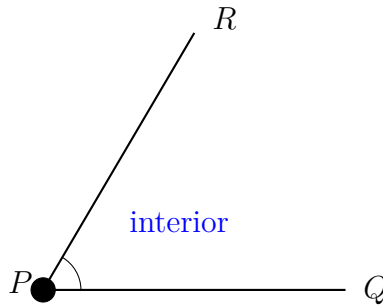
The tests are mixed on purpose. Real test readiness means recognizing the skill even when the next question changes topic.



Scan me!  
For more practice  
& answers

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1)

Which part of the angle is labeled blue?

- A. The vertex
- B. The sides
- C. The interior
- D. The exterior

2) How many degrees is a three-quarter turn around a circle?

- A.  $90^\circ$
- B.  $180^\circ$
- C.  $270^\circ$
- D.  $360^\circ$

3) An angle measures 145 degrees. How many one-degree angles make up this angle?

- A. 72.5 one-degree angles
- B. 145 one-degree angles
- C. 290 one-degree angles
- D. 14.5 one-degree angles

4) Write  $\frac{8}{5}$  as a mixed number.

5) A rope is 12 feet long. How many yards is this?

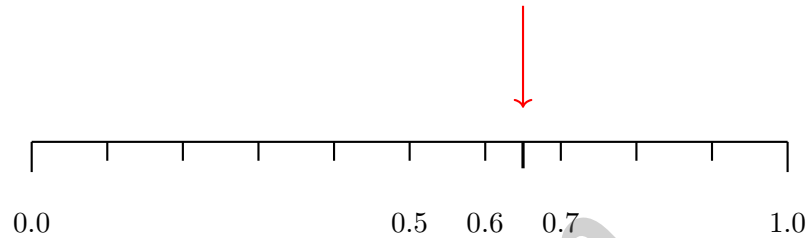
A. 2

C. 4

B. 3

D. 6

6) Look at the number line below. What decimal is shown by the arrow?



A. 0.6

C. 0.56

B. 0.65

D. 0.68

7) Two rays form an angle with a measure of  $80^\circ$ . If one part of the angle is  $32^\circ$ , what is the measure of the other part?

A.  $48^\circ$

C.  $112^\circ$

B.  $50^\circ$

D.  $35^\circ$

8) What is  $33 \times 24$ ?

A. 660

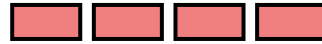
C. 720

B. 840

D. 792



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

9)

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

10) Sam wrote “five hundred sixteen thousand, two hundred thirty” as 516,230. Is this correct?

A. No; it should be 516,032

C. No; it should be 516,320

B. No; it should be 516,203

D. Yes, it is correct

11) Which figure does **not** have a line of symmetry?

A. Equilateral triangle

C. Scalene triangle

B. Rectangle

D. Isosceles triangle

12) The perimeter of a rectangle is 24 meters. If the length is 7 meters, what is the width?

A. 3 m

C. 5 m

B. 4 m

D. 6 m

13) What is  $4 \times \frac{2}{5}$ ?

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

C.  $\frac{8}{20}$

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

D.  $\frac{8}{5}$



1) Ava buys 3 boxes of markers. Each box has 12 markers. She also buys 6 loose markers. How many markers does she have in total?

- A. 30                       C. 18  
 B. 36                       D. 42

2) A recipe uses  $\frac{3}{4}$  cup of flour and  $\frac{2}{3}$  cup of sugar. Which amount is greater?



water left removed  
 $\frac{3}{5}$  filled, then  $\frac{1}{5}$  removed

3)

A container divided into 5 equal parts is  $\frac{3}{5}$  filled with water. If  $\frac{1}{5}$  of the water is removed, what fraction of the container remains filled?

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

4) All the factors of 24 are:

- A. 1, 2, 3, 4, 8, 12, 24                       C. 2, 3, 4, 6, 8, 12, 24  
 B. 1, 2, 4, 6, 8, 12, 24                       D. 1, 2, 3, 4, 6, 8, 12, 24



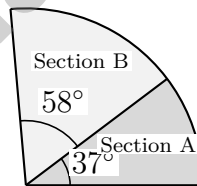
5) Find  $6\frac{5}{8} - 3\frac{7}{8}$ .

6) A swimming pool holds 5,000 liters of water. How many milliliters is this?

- A. 500,000                       C. 50,000,000  
 B. 5,000,000                    D. 500,000,000

7) A frog makes three equal jumps to reach  $\frac{9}{10}$ . Each jump is:

- A.  $\frac{3}{10}$                                C.  $\frac{4}{10}$   
 B.  $\frac{2}{10}$                                D.  $\frac{1}{10}$

8) A bakery cuts a pizza into sections. Section A is  $37^\circ$  and Section B is  $58^\circ$ . If these two sections are combined, what angle do they form?

- A.  $95^\circ$                                C.  $21^\circ$   
 B.  $58^\circ$                                D.  $135^\circ$

9) 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                               C.  $\frac{3}{5}$  cup  
 B.  $\frac{6}{5}$  cups (or  $1\frac{1}{5}$  cups)                       D.  $\frac{5}{5}$  cup



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1) Priya has 3 coins. Her brother has 5 times as many coins. How many coins does her brother have?

A. 3

C. 5

B. 8

D. 15

2) What is 14,285 rounded to the nearest ten?

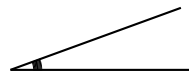
A. 14,280

C. 14,300

B. 14,200

D. 14,290

3)



The tick marks are every  $2^\circ$ , and the angle reaches  $20^\circ$ . What is the angle measure?

A.  $10^\circ$

C.  $40^\circ$

B.  $20^\circ$

D.  $2^\circ$

4) A decreasing pattern starts at 96 and divides by 2 each time. What is the 4th term?

A. 6

C. 24

B. 48

D. 12

5) The minute hand moves from 12 to 4. How many degrees has it rotated?

A.  $90^\circ$

C.  $180^\circ$

B.  $120^\circ$

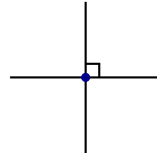
D.  $240^\circ$



6) A watermelon weighs 6 kilograms. How many grams does it weigh?

- A. 60                                       C. 6,000  
 B. 600                                      D. 60,000

7) Two perpendicular lines intersect. How many right angles are formed?



- A. 1 right angle                             C. 3 right angles  
 B. 2 right angles                           D. 4 right angles

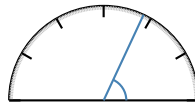
8) Which list shows ALL the factors of 48?

- A. 1, 2, 4, 6, 8, 12, 24, 48               C. 1, 2, 3, 4, 6, 8, 12, 24, 48  
 B. 1, 2, 3, 4, 6, 8, 12, 16, 24, 48       D. 2, 3, 4, 6, 8, 12, 24, 48

9) What is  $2 \times \frac{2}{5}$ ?

- A.  $\frac{2}{10}$      C.  $\frac{2}{5}$   
 B.  $\frac{4}{5}$      D.  $\frac{4}{10}$

10)



What is the best estimate of this angle?

- A. 60 degrees                                 C. 75 degrees  
 B. 70 degrees                                 D. 65 degrees



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& answers

## 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 C is correct.** **(4.GM.C.7)** The blue-labeled region is the interior, the space between the two rays.
- Choice C is correct.** **(4.GM.C.7)** A three-quarter turn is  $\frac{3}{4}$  of the full circle:  $\frac{3}{4} \times 360^\circ = 270^\circ$ .
- Choice B is correct.** **(4.GM.C.7)** An angle that measures  $145^\circ$  is made of **145** one-degree angles.
- The correct answer is  $1\frac{3}{5}$ .** **(4.NF.B.3)** One whole is  $\frac{5}{5}$ , leaving  $8 - 5 = 3$  more fifths. So  $\frac{8}{5} = 1\frac{3}{5}$  ✓.
- Choice C is correct.** **(4.GM.B.4)** Since 1 yard = 3 feet, divide:  $12 \div 3 = 4$  yards. The answer is **4** yards.
- Choice B is correct.** **(4.NF.C.5)** The arrow points exactly halfway between 0.6 and 0.7. The midpoint is 0.65.
- Choice A is correct.** **(4.GM.C.9)** To find the missing part, subtract what you know from the total:  $80^\circ - 32^\circ = 48^\circ$ .
- Choice D is correct.** **(4.NBT.B.5)** Decompose and multiply:  $33 \times (20 + 4) = 660 + 132 = 792$ .
- The correct answer is 2.** **(4.NF.B.4)** All 4 pieces, each weighing  $\frac{1}{2}$  pound, weigh  $4 \times \frac{1}{2} = \frac{4}{2} = 2$  pounds total.
- Choice D is correct.** **(4.NBT.A.2)** Thousands:  $516 \rightarrow 516,000$ . Ones:  $230 \rightarrow 230$ . Combined:  $516,230$  matches Sam's numeral ✓
- Choice C is correct.** **(4.GM.A.3)** A scalene triangle has three different side lengths and three different angles. Since nothing matches on either side, no fold line can make the two halves fit together perfectly. The answer is scalene triangle.
- Choice C is correct.** **(4.GM.B.6)** Start with  $P = 2\ell + 2w = 24$ . Substitute  $\ell = 7$ :  $2(7) + 2w = 24$ . Simplify:  $14 + 2w = 24$ , so  $2w = 10$ , thus  $w = 5$  m.
- Choice D is correct.** **(4.NF.B.4)** We have 4 copies of  $\frac{2}{5}$ . Multiply the whole number by the numerator:  $4 \times \frac{2}{5} = \frac{4 \times 2}{5} = \frac{8}{5}$ . The answer is  $\frac{8}{5}$ .
- Choice A is correct.** **(4.NF.B.3)** The baker used some sugar for the cake. Subtract the amount used from the starting amount:  $3\frac{3}{5} - 2\frac{1}{5} = 1\frac{2}{5}$  cups of sugar left.
- Choice D is correct.** **(4.OA.A.2)** The longer bar (24 apples) is 4 equal pieces, each one orange-group's size. To find one piece, divide:  $24 \div 4 = 6$  oranges.
- Choice A is correct.** **(4.NBT.B.4)** Add by place value: ones  $4 + 5 = 9$ , tens  $3 + 6 = 9$ , hundreds  $2 + 7 = 9$ , thousands  $1 + 8 = 9$ , ten-thousands  $4 + 3 = 7$ . The sum is **79,999**.
- The correct answer is B, D.** **(4.NF.A.1)** Use  $\frac{1}{2}$  as benchmark:  $\frac{3}{5} = \frac{6}{10} > \frac{5}{10} = \frac{1}{2}$  and  $\frac{5}{8} > \frac{4}{8} = \frac{1}{2}$ . The others are less than  $\frac{1}{2}$ .
- Choice A is correct.** **(4.GM.B.4)** Diego's pencil is 24 cm and Ava's is 19 cm. Find the difference by subtracting:  $24 - 19 = 5$  cm. The difference is **5** centimeters.
- Choice B is correct.** **(4.NF.B.3)** Ming ate 3 slices out of 12 equal slices, so the fraction is  $\frac{3}{12}$ . Breaking this into unit fractions:  $\frac{3}{12} = \frac{1}{12} + \frac{1}{12} + \frac{1}{12}$ —three slices, each representing  $\frac{1}{12}$  of the pizza.
- The correct answer is 2.** **(4.OA.B.4)** Find every pair that multiplies to 35:  $1 \times 35$  and  $5 \times 7$ . (No other small numbers divide 35 evenly.) So there are **2** factor pairs.
- Choice A is correct.** **(4.GM.A.1)** Look at the diagram: point  $B$  sits right in the middle between  $A$  and  $C$ . Since  $B$  is between them, it's definitely on segment  $AC$ .
- Choice A is correct.** **(4.NF.C.5)** When we convert  $\frac{2}{10}$  to hundredths, we multiply both numerator and denominator by 10:  $\frac{2 \times 10}{10 \times 10} = \frac{20}{100}$ .
- Choice C is correct.** **(4.OA.A.3)** Follow the flow chart! Step 1:  $72 \div 8 = 9$  apples in each basket. Step 2: add 4 more to each basket:  $9 + 4 = 13$  apples per basket now.
- Choice B is correct.** **(4.GM.A.2)** Triangle 2 shows a right angle marker in the form of a small square at one corner, which indicates a right triangle. Triangle 1 has no right angle marker. The answer is **B**.
- Choice C is correct.** **(4.NF.B.4)** One whole ( $\frac{4}{4}$ ) equals 4 copies of  $\frac{1}{4}$ . So there are **4** fourths in one whole.
- Choice D is correct.** **(4.OA.A.1)** Step 1: find Liam's stickers:  $7 \times 3 = 21$ . Step 2: "how many more" is a subtraction:  $21 - 7 = 14$ . So Liam has **14** more stickers than Sofia.
- Choice C is correct.** **(4.DR.A.1)** Count the measurements of 1 inch (which is  $\frac{2}{2}$  inch). They appear **3** times in our data.



**Notes From Your Math Builder**

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**Hi, Math Builder!**

◇ Through 9 practice tests, you built your math house brick by brick. The walls are strong. The roof is on. You are ready for anything test day brings. ◇

★ **Builders know:** good plans make strong houses. You learned to plan, then build. That helps with any problem. ★

**Builder's Tools**

- **Foundation:** ROCK SOLID. Math facts are in place.
- **Frame:** STRONG. You can break problems into parts.
- **Walls:** TIDY. Your work is neat and clear.
- **Roof:** DONE. You always answer the question.

**Builder tip:** on test day, build each answer like a tiny house. Read first. Plan next. Do the math. Then check!

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 Builder

# 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.

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