

8 Oregon OSAS

GRADE 4

PRACTICE TESTS



1

$$2 \times 3 = 6$$

3

5

$$2 \times 3 = 6$$

2

4



Standards-Aligned Review with
Mixed Practice and Answer Key

**COMPREHENSIVE
TEST PREP**

Includes Solutions

8 Oregon OSAS Grade 4 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Eight 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!

Eight steady rounds on the Beaver State math route

This book gives you eight 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?

Eight tests, 240 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 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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& answers

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1) A rectangle has a perimeter of 42 inches. The length is 12 inches. What is the width?

A. 6 in

C. 8 in

B. 9 in

D. 18 in

2) What is $6 \times \frac{1}{8}$?

A. $\frac{1}{48}$

C. $\frac{6}{8}$ or $\frac{3}{4}$

B. $\frac{8}{6}$

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

3) Zoe's basketball team scored 9 points in the first quarter. In the second quarter, they scored 2 times as many points. How many points did they score in the second quarter?

A. 11

C. 20

B. 16

D. 18

4) Which decimal is the same as $\frac{40}{100}$?

A. 0.04

C. 0.004

B. 0.40

D. 4.0

5) Which decimal is between 0.3 and 0.4?

A. 0.25

C. 0.45

B. 0.35

D. 0.05



6) 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. Fifty-three thousand, seven hundred ninety

7) Which is true?

- A. $\frac{4}{10} > \frac{8}{10}$ C. $\frac{4}{10} < \frac{8}{10}$
 B. $\frac{4}{10} = \frac{8}{10}$ D. Cannot compare

8) A paper is folded. The fold creates an angle of 70° . Another fold creates an angle of 20° . If both folds meet at the same point, what is the combined angle measure?

- A. 50° C. 100°
 B. 90° D. 140°

9) A full turn around a circle measures how many degrees?

- A. 90° C. 270°
 B. 180° D. 360°

10) A toy train travels 200 meters in 4 seconds. At this rate, how far will it travel in 8 seconds?

- A. 200 m C. 400 m
 B. 300 m D. 600 m



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11) Swap the digits 4 and 7 in 4,723. By how much does the number increase?

12) Convert $\frac{1}{10}$ to a fraction with denominator 100.

A. $\frac{1}{100}$
 B. $\frac{11}{100}$

C. $\frac{10}{100}$
 D. $\frac{100}{100}$

13) A rope is 9 yards long. How many feet does the rope measure?

14) A shape is a quadrilateral with two pairs of parallel sides and four equal sides, but no right angles. What is it?

- A. Square
 B. Rectangle

- C. Rhombus
 D. Trapezoid

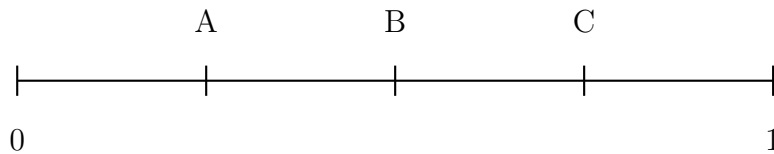
15) Which pattern shows only odd numbers?

- A. 2, 4, 6, 8, 10
 B. 1, 3, 5, 7, 9

- C. 2, 3, 4, 5, 6
 D. 5, 10, 15, 20, 25



5) Where does 0.5 belong on this number line?



- A. At mark A C. At mark C
 B. At mark B D. Beyond mark C

6) What is $4,205 \div 5$?

- A. 841 C. 821
 B. 831 D. 851

7) If a dot rotates $\frac{1}{8}$ of a full turn, how many degrees does it move?

- A. 30° C. 45°
 B. 35° D. 60°

8) An array has 27 rows and 14 columns. How many items are in the array?

- A. 378 C. 324
 B. 348 D. 405

9) Order these decimals from least to greatest: 0.72, 0.27, 0.70, 0.07.

- A. 0.07, 0.27, 0.70, 0.72 C. 0.27, 0.07, 0.70, 0.72
 B. 0.72, 0.70, 0.27, 0.07 D. 0.07, 0.70, 0.27, 0.72



5) What is 21×41 ?

A. 782

C. 841

B. 920

D. 861

6) There are 5 red ribbons. There are 4 times as many blue ribbons. How many ribbons in total?

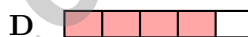
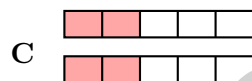
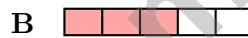
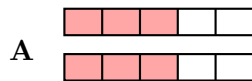
A. 20

C. 15

B. 9

D. 25

7) Which bar model represents $2 \times \frac{3}{5}$?



A. Top-left picture

C. Bottom-left picture

B. Top-right picture

D. Bottom-right picture

8) Which block letter diagram has exactly one line of symmetry?

A. **F**

C. **I**

B. **L**

D. **Z**

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.GM.B.6)** Using $P = 2\ell + 2w = 42$ with $\ell = 12$: $2(12) + 2w = 42$. Simplify: $24 + 2w = 42$, so $2w = 18$, thus $w = 9$ in.
- 2) **Choice C is correct.** **(4.NF.B.4)** We take 6 copies of $\frac{1}{8}$. Multiply: $6 \times \frac{1}{8} = \frac{6 \times 1}{8} = \frac{6}{8} = \frac{3}{4}$. The answer is $\frac{3}{4}$.
- 3) **Choice D is correct.** **(4.OA.A.2)** “2 times as many” means multiply. The team scored $2 \times 9 = 18$ points in the second quarter.
- 4) **Choice B is correct.** **(4.NF.C.5)** Forty hundredths can be written as 0.40 or 0.4. Either way, they’re the same value.
- 5) **Choice B is correct.** **(4.NF.C.5)** 0.35 fits perfectly between 0.3 and 0.4. The other options fall outside this range.
- 6) **Choice D is correct.** **(4.NBT.A.2)** From the chart: ten-thousands and thousands give “fifty-three thousand”; hundreds and tens give “seven hundred ninety” ✓
- 7) **Choice C is correct.** **(4.NF.A.1)** Same denominator, so compare numerators: $4 < 8$ means $\frac{4}{10} < \frac{8}{10}$.
- 8) **Choice B is correct.** **(4.GM.C.9)** The two folds meet at a point. Combine their angles: $70^\circ + 20^\circ = 90^\circ$.
- 9) **Choice D is correct.** **(4.GM.C.7)** A complete rotation around a circle measures 360° because that’s the universal standard for a full turn.
- 10) **Choice C is correct.** **(4.GM.B.4)** The train travels 200 m in 4 seconds. In 8 seconds (double the time), it travels twice as far: $200 \times 2 = 400$ meters. It will travel **400** meters.
- 11) **The correct answer is 2,700.** **(4.NBT.A.1)** Original: 4,723. After swapping 4 and 7: 7,423. Increase: $7,423 - 4,723 = 2,700$. ✓
- 12) **Choice C is correct.** **(4.NF.C.5)** To convert $\frac{1}{10}$ to hundredths, multiply both the numerator and denominator by 10: $\frac{1}{10} = \frac{1 \times 10}{10 \times 10} = \frac{10}{100}$.
- 13) **The correct answer is 27.** **(4.GM.B.4)** Since 1 yard = 3 feet, multiply: $9 \times 3 = 27$ feet.
- 14) **Choice C is correct.** **(4.GM.A.2)** A rhombus has two pairs of parallel sides and four sides of equal length, but does not require right angles. This is what distinguishes it from a square. The answer is **C**.
- 15) **Choice B is correct.** **(4.OA.B.4)** Odd numbers end in 1, 3, 5, 7, or 9. Choice B has 1, 3, 5, 7, 9—all odd. Choices A, C, D each contain at least one even number.
- 16) **Choice D is correct.** **(4.NBT.B.5)** Split both: $17 = 10 + 7$ and $19 = 10 + 9$. The four partial products are: $10 \times 10 = 100$, $10 \times 9 = 90$, $7 \times 10 = 70$, $7 \times 9 = 63$.
- 17) **The correct answer is 90.** **(4.GM.C.7)** A straight angle is 180° and a right angle is 90° . Since $180 - 90 = 90$, the straight angle is 90° larger.
- 18) **The correct answer is A, D.** **(4.NF.B.3)** A: $5 + 3 = 8$ twelfths ✓. D: $6 + 2 = 8$ twelfths ✓. B: $11 - 2 = 9$ (wrong). C: $4 + 4 = 8$ sixths, not twelfths (wrong). E: $9 - 4 = 5$ (wrong).
- 19) **Choice C is correct.** **(4.NF.B.3)** Add the wholes: $3 + 1 = 4$. Add the fractions: $\frac{1}{3} + \frac{2}{3} = \frac{3}{3} = 1$. Combine: $4 + 1 = 5$ meters.
- 20) **Choice B is correct.** **(4.GM.A.3)** An isosceles triangle has two equal sides that meet at the top, with a different base. A fold line from the top corner to the middle of the base creates two matching halves. The answer is **1** line of symmetry.
- 21) **Choice B is correct.** **(4.NF.B.4)** The numerator tells us how many eighths there are. Since the numerator is 6, there are **6** eighths in $\frac{6}{8}$.
- 22) **Choice A is correct.** **(4.NF.B.3)** Option A shows two decompositions: $\frac{2}{10} + \frac{6}{10}$ and $\frac{4}{10} + \frac{4}{10}$. Check: $2 + 6 = 8$ and $4 + 4 = 8$. Both equal $\frac{8}{10}$ ✓.
- 23) **Choice A is correct.** **(4.NF.B.4)** Six parts, each one $\frac{1}{9}$: $6 \times \frac{1}{9} = \frac{6}{9}$.
- 24) **Choice D is correct.** **(4.NBT.A.3)** We’re rounding to the nearest hundred. Look at the tens digit: 4. Since $4 < 5$, we round DOWN. The hundreds digit stays at 4, giving us **41,400**. ✓
- 25) **Choice C is correct.** **(4.OA.B.4)** Factor pairs of 32: 1×32 , 2×16 , 4×8 . That gives factors 1, 2, 4, 8, 16, 32—count them up: **6** factors.
- 26) **Choice C is correct.** **(4.DR.A.1)** Count every X mark on the line plot: $2 + 0 + 3 + 0 + 1 = 6$ data points in total.
- 27) **Choice D is correct.** **(4.NBT.B.6)** Divide: $45 \div 5 = 9$, and $5 \div 5 = 1$. Each of the 5 libraries gets **91** books.



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Notes From the Math Gardener

Hi, Math Gardener!

◇ Look at how much you grew! 8 tests is like 8 weeks of taking care of your math garden. Every problem was a seed. Every try was water. ◇

★ **Gardeners say:** growth takes time. You can't see roots, but they are there. You can't always feel smarter, but you are. Your math garden is full! ★

Garden Check-Up

- **Roots:** STRONG! Your basic math is solid.
- **Stems:** STURDY! You can do step-by-step problems.
- **Leaves:** GREEN! You have lots of math tools.
- **Flowers:** BRIGHT! You feel proud of your work.

Gardener tip: keep watering your math garden long after the test. Every habit you built will grow with you for years!

If you want to share something or ask a question, please email me at jay@testinar.com.

Jay Daie

Your Math Gardener

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.

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