

5

Oregon OSAS

Standards-Aligned Review with
Mixed Practice and Answer Key

A gold circular badge with a scalloped edge, containing the text "A+" in red. The badge is surrounded by colorful confetti and stars.

5 Oregon OSAS Grade 4 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Five 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.

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Welcome, Oregon Math Explorer!

Five steady rounds on the Beaver State math route

This book gives you five 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?

Five tests, 150 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 3–5	Skill-building rounds with fractions, measurement, area, data, and two-step problems.
Tests 3–5	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.

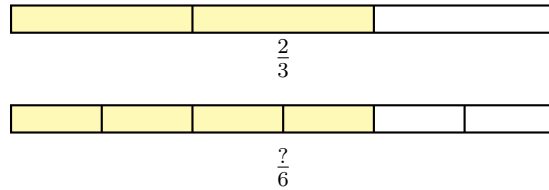


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& answers

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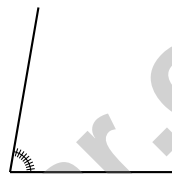
1) Look at the two fraction bars. Both bars are the same length.



What number replaces the question mark?

- | | |
|-------------------------------|-------------------------------|
| <input type="checkbox"/> A. 3 | <input type="checkbox"/> C. 5 |
| <input type="checkbox"/> B. 6 | <input type="checkbox"/> D. 4 |

2)



The angle is marked from 0° to 80° . What is the angle measure?

- | | |
|--|---|
| <input type="checkbox"/> A. 80° | <input type="checkbox"/> C. 79° |
| <input type="checkbox"/> B. 81° | <input type="checkbox"/> D. 160° |

3) Which quotient and remainder is correct for $849 \div 9$?

- | | |
|-----------------------------------|-----------------------------------|
| <input type="checkbox"/> A. 93 r6 | <input type="checkbox"/> C. 95 r4 |
| <input type="checkbox"/> B. 96 r1 | <input type="checkbox"/> D. 94 r3 |



4) Compare the volumes. Which is smaller: 3 liters or 2,500 milliliters?

- A. 3 liters
 B. 2,500 milliliters
 C. They are the same size
 D. Cannot be determined

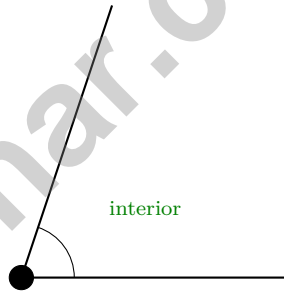
5) Subtract: $2\frac{3}{4} - 1\frac{1}{4}$

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

6) A quadrilateral has two pairs of parallel sides and four right angles, but the sides are not all equal. What is it?

- A. Square
 B. Rectangle
 C. Rhombus
 D. Trapezoid

7)



The region labeled in green is called the:

- A. exterior
 B. interior
 C. vertex
 D. side

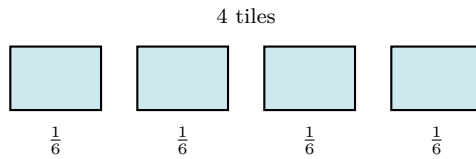


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8) How many degrees are in $\frac{3}{4}$ of a turn?

- A. 180°
 C. 270°
 B. 225°
 D. 300°

9) Maya lined up 4 unit-fraction tiles. If each tile is $\frac{1}{6}$, what is the total?



- A. $\frac{1}{6}$
 C. $\frac{4}{6}$
 B. $\frac{2}{6}$
 D. $\frac{6}{6}$

10) A pattern of dots is arranged in rows:



If the pattern continues, how many dots are in Figure 4?

- A. 12
 C. 18
 B. 20
 D. 16

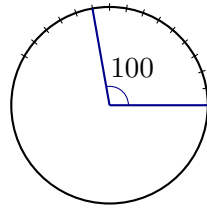
11) A school cafeteria serves lunch to 6 grades. Each grade has 35 students. How many students get lunch?

- A. 210
 C. 240
 B. 180
 D. 270



1) Two parallel lines are best described as:

- A. Lines that meet at a right angle C. Lines that meet at any angle
 B. Lines that never meet and are always the same distance apart D. Lines that share a common endpoint



2)

Ava drew an angle that measures 100 degrees. How many one-degree angles does it contain?

- A. 50 one-degree angles C. 200 one-degree angles
 B. 100 one-degree angles D. 10 one-degree angles

3) Which is NOT equal to $\frac{2}{4}$?

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

4) A recipe calls for $\frac{1}{4}$ cup of sugar. If Miguel triples the recipe, how much sugar does he need?

- A. $\frac{1}{12}$ cup C. $\frac{3}{4}$ cup
 B. $\frac{1}{3}$ cup D. $1\frac{1}{4}$ cups



5) What is $2\frac{3}{5} + 1\frac{1}{5}$?

A. $3\frac{2}{5}$

C. $3\frac{4}{5}$

B. $3\frac{3}{5}$

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

6) Which of the following is the same as $5 \times \frac{1}{12}$?

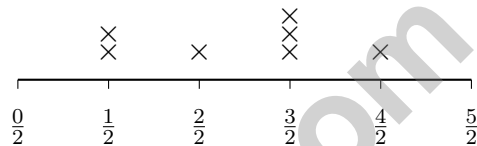
A. $\frac{5}{12}$

C. $\frac{1}{60}$

B. $\frac{12}{5}$

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

7) Look at this line plot with halves:



How many more X marks are at $\frac{3}{2}$ than at $\frac{1}{2}$?

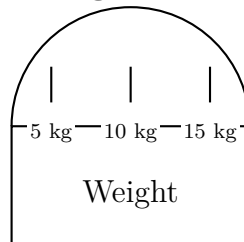
A. 1

C. 3

B. 2

D. 4

Weight Scale



8)

A scale shows that a dog weighs 12 kilograms. How many grams does the dog weigh?

A. 1,200 g

C. 120,000 g

B. 12,000 g

D. 1,200,000 g



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1) Look at the pattern: 5, 10, 20, 40, ... Which rule describes it?

A. Add 5

C. Add 10

B. Multiply by 3

D. Multiply by 2

2) Mia watches the hour hand on a clock move from 2 to 5. How many degrees does it move?

3) A school has 48 third-graders. This is 4 times as many as the number of second-graders. How many second-graders are there?

A. 192

C. 44

B. 52

D. 12

4) What is $3\frac{4}{6} + 1\frac{2}{6}$?

A. $4\frac{5}{6}$

C. 5

B. $5\frac{1}{6}$

D. $4\frac{2}{6}$

5) 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

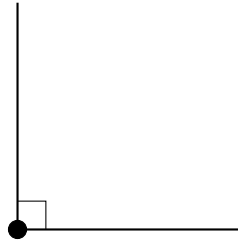
C. 100 times

B. Equal

D. 10 times



6) Which of these angles is a right angle?



- A. No, it is acute
- B. Yes, it has a small opening
- C. Yes, it has a square corner
- D. No, it is straight
- 7) Which expression correctly shows $2,961 \div 9$ with quotient and remainder?
- A. 329 r1
- B. 330 r1
- C. 328 r9
- D. 329 r0
- 8) How many unit fractions of $\frac{1}{2}$ make up $\frac{2}{2}$?
- A. 1
- B. 2
- C. 3
- D. 4
- 9) Order these fractions from least to greatest: $\frac{1}{4}$, $\frac{1}{2}$, $\frac{1}{3}$.
- A. $\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{4}$
- B. $\frac{1}{4}$, $\frac{1}{2}$, $\frac{1}{3}$
- C. $\frac{1}{3}$, $\frac{1}{4}$, $\frac{1}{2}$
- D. $\frac{1}{4}$, $\frac{1}{3}$, $\frac{1}{2}$
- 10) Maya measured her pencil and found it is 15 centimeters long. How many millimeters is this?
- A. 1.5
- B. 15
- C. 150
- D. 1,500



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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.NF.A.1) Both bars show the same shaded length. Since we're going from thirds to sixths (multiply denominator by 2), multiply the numerator by 2 also: $\frac{2}{3} = \frac{2 \times 2}{3 \times 2} = \frac{4}{6}$.
- Choice A is correct.** (4.GM.C.7) The degree marks show the angle goes from 0 to 80, so it measures 80° .
- Choice D is correct.** (4.NBT.B.6) Divide: $84 \div 9 = 9$ r3, bring down the 9 to get $39 \div 9 = 4$ r3. The quotient is **94** with remainder 3.
- Choice B is correct.** (4.GM.B.4) Convert 3 liters to mL: $3 \times 1,000 = 3,000$ mL. Since $2,500 \text{ mL} < 3,000 \text{ mL}$, the answer is **2,500** milliliters is smaller.
- Choice B is correct.** (4.NF.B.3) Subtract the wholes: $2 - 1 = 1$. Subtract the fractions: $\frac{3}{4} - \frac{1}{4} = \frac{2}{4}$. The difference is $1\frac{2}{4}$.
- Choice B is correct.** (4.GM.A.2) A rectangle has two pairs of parallel sides and all four right angles. Although opposite sides are equal in length, not all four sides must be equal. The answer is **B**.
- Choice B is correct.** (4.GM.C.7) The interior is the space inside the angle between the two rays.
- Choice C is correct.** (4.GM.C.7) Three-quarters of the circle is $\frac{3}{4} \times 360^\circ = \mathbf{270^\circ}$.
- Choice C is correct.** (4.NF.B.4) Four tiles, each $\frac{1}{6}$, combine to make $4 \times \frac{1}{6} = \frac{4}{6}$.
- Choice D is correct.** (4.OA.B.4) Dots form odd-number rows: Figure 1 = 1, Figure 2 = $1 + 3 = 4$, Figure 3 = $1 + 3 + 5 = 9$. Figure 4 = $9 + 7 = \mathbf{16}$ dots.
- Choice A is correct.** (4.NBT.B.5) Use the distributive property: $6 \times (30 + 5) = 180 + 30 = \mathbf{210}$ students.
- Choice C is correct.** (4.GM.B.4) The number line shows the walker goes 7 km in the morning and 5 km in the afternoon. Add: $7 + 5 = 12$ km. The final distance is **12** kilometers.
- Choice C is correct.** (4.GM.B.6) The grid shows 6 units by 2 units. Area = $6 \times 2 = 12$ sq units.
- The correct answer is 8.** (4.OA.B.4) Find all the factor pairs: 1×40 , 2×20 , 4×10 , 5×8 . Combine both sides: 1, 2, 4, 5, 8, 10, 20, 40—that's **8** factors total.
- Choice D is correct.** (4.NF.B.4) Mia makes 3 sandwiches, each using $\frac{1}{4}$ loaf. Multiply: $3 \times \frac{1}{4} = \frac{3 \times 1}{4} = \frac{3}{4}$ loaf. The answer is $\frac{3}{4}$ loaf.
- Choice A is correct.** (4.GM.A.1) Remember: vertex in the middle! Since E is where the rays meet, we write the angle as FED with E in the middle position.
- The correct answer is A, E.** (4.NF.C.5) Choice A: $\frac{70}{100}$ is the hundredths form of $\frac{7}{10}$ —multiply by $\frac{10}{10}$. Choice E is $\frac{7}{10}$ itself. The others don't equal 7 tenths.
- The correct answer is Liam.** (4.NF.A.1) Use denominator 60: $\frac{3}{4} = \frac{45}{60}$, $\frac{4}{5} = \frac{48}{60}$, $\frac{5}{6} = \frac{50}{60}$. Since $45 < 48 < 50$, Liam ran the shortest distance.
- Choice D is correct.** (4.OA.A.2) "4 times as many" tells us to multiply: $4 \times 11 = 44$ colored pencils.
- The correct answer is 0.** (4.GM.A.3) If a letter has no line of symmetry, the number of lines is zero, so the answer is **0**.
- Choice B is correct.** (4.GM.C.8) The key to reading a protractor is to use the scale that starts at 0° on the same side where your angle opens. When an angle opens toward the right, that side shows 0° —read the outer scale. This matches where the angle is heading. The answer is use the outer scale.
- Choice A is correct.** (4.NF.B.4) Three ribbon strips, each $\frac{3}{8}$ meter long, have a total length of $3 \times \frac{3}{8} = \frac{9}{8}$ meters.
- Choice A is correct.** (4.NF.B.3) When the denominators match, add the numerators! $4 + 5 = 9$, so we get $\frac{4}{10} + \frac{5}{10} = \frac{9}{10}$ ✓.
- Choice C is correct.** (4.NBT.A.2) All digits match except the ones place. A has 4 ones, B has 5 ones. Since $4 < 5$, 7,264 is less ✓.
- Choice D is correct.** (4.NF.B.4) Picture D shows two fraction bars: the first has all 4 fourths shaded, the second has 2 fourths shaded. In total we have $4 + 2 = 6$ copies of $\frac{1}{4}$, which equals $\frac{6}{4}$.
- Choice B is correct.** (4.NF.B.3) Add numerators: $1 + 3 = 4$. We get $\frac{4}{4}$, which is one whole. When the top and bottom match, it equals **1**.



Ahoy, Math Sailor!

◇ You sailed through 5 full tests. Some waters were calm. Some waters were rough. You kept your boat steady the whole way. ◇

★ **Captain's truth:** good sailors stay calm. They use the wind. They check the map. You did all those things on every test. ★

Sailor's Skills

- **Steady Hand:** You stay calm even when problems are tricky.
- **Map Skills:** You read each problem carefully.
- **Brave Spirit:** You believe in yourself.
- **Safe Harbor:** You finish what you start.

Captain's tip: on test day, sail steady. Trust the map you built through 5 practice tests. You will reach safe harbor!

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

Jay Daie

Your Math Captain

5 PRACTICE TESTS. BUILD SKILLS. BOOST CONFIDENCE!

This **Grade 4 Math Practice Tests** book is designed to help students master essential math concepts, improve problem-solving skills, and build the confidence they need to excel.

With 5 full-length practice tests, a variety of question types, and detailed answer explanations, students get the practice they need to understand math, strengthen critical thinking, and perform their best on test day and beyond.

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

PERFECT FOR:

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

★ CONFIDENCE TODAY.
SUCCESS TOMORROW!

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.



Master Key Concepts

Reinforce important skills aligned with grade-level standards.



Prepare for Success

Build the confidence needed to do your best on test day.

TOPICS COVERED

- ✓ Place Value & Number Sense
- ✓ Addition & Subtraction
- ✓ Multiplication & Division
- ✓ Fractions & Equivalent Fractions
- ✓ Decimals
- ✓ Geometry & Measurement
- ✓ Perimeter & Area
- ✓ Data, Graphs & Line Plots
- ✓ Patterns & Algebraic Thinking
- ✓ Word Problems
- ✓ And More!



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Standards-Aligned



Build Confidence and Skills



Mixed Question Types



Answer Key Included

A+