

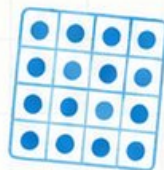
$$\begin{array}{r} 32 \\ \times 6 \\ \hline 192 \end{array}$$

10

$$7 \times 8 = 56$$



$$\frac{3}{4}$$

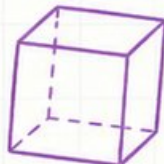


Oregon

OSAS

GRADE 4

MATH



PRACTICE TESTS

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



10 Oregon OSAS Grade 4 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Ten 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!

Ten steady rounds on the Beaver State math route

This book gives you ten 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?

Ten tests, 300 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.
Test 10	Final round to show growth across the whole Oregon book.
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 baker has $3\frac{2}{5}$ pounds of almonds. She uses $2\frac{1}{5}$ pounds in a recipe. How many pounds of almonds are left?

- 2) Noah wants to carpet his bedroom floor. The room is a rectangle that is 14 feet long and 10 feet wide. How many square feet of carpet does he need?

- A. 24 sq ft C. 140 sq ft
 B. 48 sq ft D. 280 sq ft

- 3) 5 times 

A baker made 6 chocolate cookies. She made 5 times as many vanilla cookies. How many vanilla cookies did she make?

- A. 11 C. 30
 B. 25 D. 36

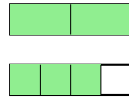
- 4) Compare two multiples: Is $6 \times \frac{1}{10}$ greater than, less than, or equal to $\frac{6}{10}$?

- A. Greater than C. Equal to
 B. Less than D. Cannot compare



5) Triple $\frac{3}{4}$.

6) Which mixed number is shown?



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

B. $1\frac{2}{4}$

C. $1\frac{3}{4}$

D. $2\frac{1}{4}$

7) A container has a mass of 5 kg. If Isabella adds $2\frac{1}{2}$ kg of apples and $1\frac{1}{2}$ kg of oranges, what is the total mass?

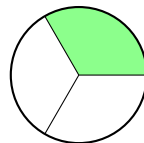
A. 7 kg

B. 8 kg

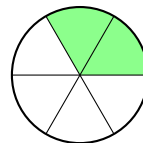
C. 9 kg

D. 10 kg

8) Look at the two circle models below. They are the same size. Which fraction in circle B is equivalent to the shaded part in circle A?



Circle A: $\frac{1}{3}$



Circle B

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

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

C. $\frac{3}{6}$

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



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

10) Round 15,678 to the nearest ten.

A. 15,670

C. 15,600

B. 16,000

D. 15,680

11) A juice box contains $\frac{1}{3}$ liter. How many liters are in 7 juice boxes?

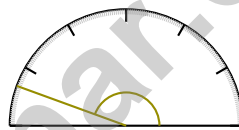
A. $\frac{1}{21}$ liter

C. $\frac{7}{21}$ liter

B. $\frac{7}{3}$ liters (or $2\frac{1}{3}$ liters)

D. $\frac{3}{7}$ liter

12)



What is the measure of the angle shown?

A. 150 degrees

C. 170 degrees

B. 140 degrees

D. 160 degrees

13) 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



1) Which best represents $\frac{10}{6}$ as a mixed number?

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

- C. $2\frac{2}{6}$
 D. $\frac{10}{6}$ cannot be a mixed number

2) Which pattern shows all multiples of 6?

- A. 2, 4, 6, 8, 10
 B. 6, 12, 18, 24, 30

- C. 3, 6, 9, 12, 15
 D. 5, 10, 15, 20, 25

3) Find $\frac{5}{6} + \frac{1}{6}$.

4) Diego walked $2\frac{3}{10}$ miles on Monday and $1\frac{4}{10}$ miles on Tuesday. How many miles did he walk in total?

- A. $3\frac{5}{10}$ miles
 B. $3\frac{6}{10}$ miles

- C. $3\frac{7}{10}$ miles
 D. $4\frac{1}{10}$ miles

5) Match the word form to the place-value chart. "Sixty-five thousand, two hundred nine":

Ten-Thousands	Thousands	Hundreds	Tens	Ones
6	5	2	0	9

Which numeral matches?

- A. 65,029
 B. 65,902

- C. 65,290
 D. 65,209



- 6) A construction company pours 32 sections of concrete. Each section uses 24 bags of cement. How many bags of cement are needed?
- A. 696 bags C. 850 bags
 B. 920 bags D. 768 bags
- 7) Mia measured fish lengths in halves of an inch: $\frac{1}{2}$, $\frac{1}{2}$, $\frac{1}{2}$, 1, $\frac{3}{2}$, 1. When plotted, which length has the most X marks?
- A. $\frac{1}{2}$ in C. $\frac{3}{2}$ in
 B. 1 in D. 2 in
- 8) Three students timed their sprints. Riley: 0.47 seconds. Jordan: 0.74 seconds. Casey: 0.44 seconds. Who was fastest (smallest time)?
- A. Riley (0.47 s) C. Casey (0.44 s)
 B. Jordan (0.74 s) D. Riley and Jordan tied
- 9) Which angle measure is an acute angle?
- A. 95 degrees C. 135 degrees
 B. 15 degrees D. 180 degrees
- 10) Which angle is the largest?

Angle X



Angle Y



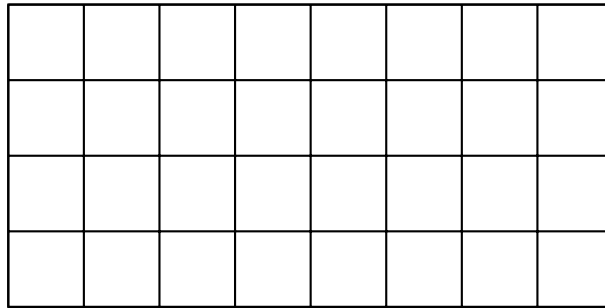
Angle Z



- A. Angle X C. Angle Z
 B. Angle Y D. All are equal



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1)

Each grid square is 1 square unit. What is the perimeter of the rectangle?

- A. 12 units C. 32 units
 B. 24 units D. 48 units

2) Noah walks $\frac{2}{8}$ mile each day. How far does he walk in 4 days?

- A. $\frac{8}{8}$ mile or 1 mile C. $\frac{6}{8}$ mile
 B. $\frac{2}{32}$ mile D. $\frac{4}{8}$ mile

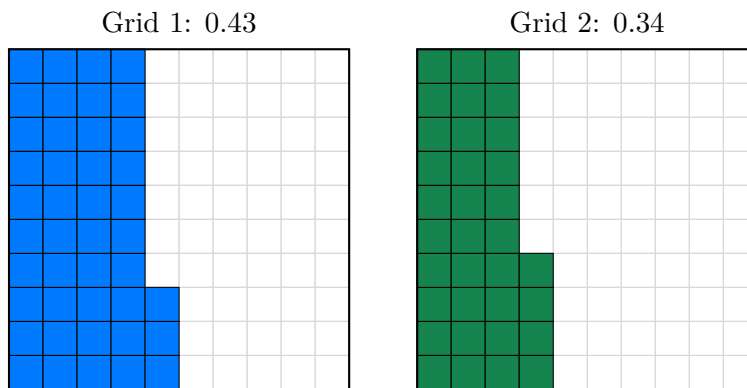
3) A farm sells 2,160 eggs in cartons of 6 eggs each. How many cartons can they fill?

4) A regular polygon has 4 lines of symmetry. How many sides does it have?



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5) Look at these two hundredths grids side-by-side.



Which decimal is greater?

A. Grid 1 (0.43)

B. Grid 2 (0.34)

C. They are equal

D. Cannot compare

6) What is $72 \div 8$?

7) A music class has 156 minutes of rehearsal to divide evenly across 4 days. How many minutes are planned for each day?

A. 39 minutes

B. 52 minutes

C. 156 minutes

D. 160 minutes



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

- The correct answer is $1\frac{1}{5}$.** (4.NF.B.3) The baker used some almonds from her supply. Subtract the amount used: $3\frac{2}{5} - 2\frac{1}{5} = 1\frac{1}{5}$ pounds of almonds remain.
- Choice C is correct.** (4.GM.B.6) Carpet needed = $14 \times 10 = 140$ sq ft.
- Choice C is correct.** (4.OA.A.2) The bar model shows the vanilla bar is 5 equal pieces, each the size of the 6 chocolate cookies. Multiply: $5 \times 6 = 30$ vanilla cookies.
- Choice C is correct.** (4.NF.B.4) $6 \times \frac{1}{10} = \frac{6}{10}$, so they're exactly equal!
- The correct answer is $2\frac{1}{4}$.** (4.NF.B.4) Triple means multiply by 3. We take 3 copies of $\frac{3}{4}$: $3 \times \frac{3}{4} = \frac{9}{4} = 2\frac{1}{4}$. The answer is $2\frac{1}{4}$.
- Choice C is correct.** (4.NF.B.3) The top bar is completely full (1 whole). The bottom bar is filled $\frac{3}{4}$ of the way. Together: $1\frac{3}{4}$ ✓.
- Choice C is correct.** (4.GM.B.4) Step 1: Add the fruit: $2\frac{1}{2} + 1\frac{1}{2} = 4$ kg. Step 2: Add the container: $5 + 4 = 9$ kg. The total mass is **9 kilograms**.
- Choice D is correct.** (4.NF.A.1) Circle A shows $\frac{1}{3}$ shaded (120 degrees). Circle B has 6 parts. Multiply numerator and denominator by 2: $\frac{1}{3} = \frac{1 \times 2}{3 \times 2} = \frac{2}{6}$.
- The correct answer is $\frac{25}{100}$.** (4.NF.C.5) One dollar contains 100 cents. So 25 cents is $\frac{25}{100}$ of a dollar.
- Choice D is correct.** (4.NBT.A.3) We're rounding to the nearest ten. Look at the ones digit: 8. Since $8 \geq 5$, we round UP! The tens digit changes from 7 to 8, so the answer is **15,680**. ✓
- Choice B is correct.** (4.NF.B.4) Seven juice boxes, each holding $\frac{1}{3}$ liter, contain $7 \times \frac{1}{3} = \frac{7}{3}$ liters total.
- Choice D is correct.** (4.GM.C.8) The ray points to the 160° mark, which is very close to the 180° straight angle. At 160° , this is a wide obtuse angle. The answer is **160 degrees**.
- Choice A is correct.** (4.NBT.B.5) Use place value: $46 \times (10 + 2) = 460 + 92 = \mathbf{552}$ widgets.
- The correct answer is B, C.** (4.GM.A.2) For statements about rectangles: B is correct because opposite sides in a rectangle are always equal in length. C is correct because all four angles in a rectangle measure 90 degrees. Statement A is false (only opposite sides must be equal, not all four). Statement D is false (rectangles have two pairs of parallel sides, not one). Statement E is false (rectangles have parallel sides). The answer is B and C.
- Choice C is correct.** (4.GM.C.9) These adjacent angles are supplementary. Add them: $63^\circ + 117^\circ = \mathbf{180^\circ}$.
- Choice C is correct.** (4.NF.B.3) Add the wholes: $1 + 2 = 3$. Add the fractions: $\frac{4}{5} + \frac{1}{5} = \frac{5}{5} = 1$. Combine: $3 + 1 = 4$ meters.
- Choice C is correct.** (4.GM.B.4) Step 1: Find total weight: $25 \times 8 = 200$ pounds. Step 2: Convert to ounces: $200 \times 16 = 3,200$ ounces. The answer is **3,200 ounces**.
- Choice A is correct.** (4.NBT.B.6) Use long division: $1 \div 3 = 0$ r1, bring down the 9 to get $19 \div 3 = 6$ r1, bring down the 5 to get $15 \div 3 = 5$, bring down the 3 to get $3 \div 3 = 1$. The answer is **651**.
- Choice A is correct.** (4.NF.B.3) The bar shows 4 equal parts. One part shaded for $\frac{1}{4}$, then 2 more shaded for $\frac{2}{4}$. That makes 3 shaded parts: $\frac{3}{4}$.
- Choice A is correct.** (4.NF.C.5) Three dimes = $\frac{3}{10}$ dollar, and thirty pennies = $\frac{30}{100}$ dollar. They're equal!
- Choice D is correct.** (4.OA.A.3) Three steps! Step 1: total items: $35 + 28 = 63$. Step 2: subtract the lost items: $63 - 6 = 57$. Step 3: share among 3 shelters: $57 \div 3 = 19$ items each.
- Choice D is correct.** (4.OA.B.4) Subtract 10 each time: 100, 90, 80, 70, 60, **50**. The 6th term is **50**.
- Choice A is correct.** (4.NF.B.3) We have 5 copies of the unit fraction $\frac{1}{8}$. When we add them, the denominator stays 8, and we count the unit fractions: 5 of them. So $\frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} = \frac{5}{8}$.
- Choice D is correct.** (4.GM.C.7) Vertex is a part of an angle (where two rays meet), not a type of angle. The types are acute, right, obtuse, and straight.
- Choice A is correct.** (4.NBT.B.4) The first step is to add the ones place: $6 + 9 = 15$. We write 5 and carry 1 to the tens place. This is $6 + 9 = 15$ (write 5, carry 1).



Trail Guide's Final Note

Hi, Brave Trail-Walker!

◇ You walked all 10 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.

Jay Daie

Your Math Trail Guide

PRACTICE TODAY. ACHIEVE TOMORROW!

This **Grade 4 Math Practice Tests** book is designed to help students build strong math skills, boost confidence, and succeed in the classroom and beyond. With 10 full-length practice tests that reflect real test formats, students get the targeted practice they need to master key concepts, improve problem-solving abilities, and achieve their goals.

PERFECT FOR:

- ✓ Classroom Practice
- ✓ Homework & Review
- ✓ Test Preparation

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SUCCESS FOR LIFE.**

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Better Problem Solving

Develop critical thinking and solve problems with confidence.



Test Confidence

Familiarize with test formats and reduce exam stress.



Track Progress

Measure improvement and focus on areas that matter.



Achieve Success

Build the skills and confidence to reach higher goals.

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- ✓ Geometry
- ✓ Measurement & Data
- ✓ Graphing & Data Analysis
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- ✓ Word Problems
- ✓ Ratio & Proportion
- ✓ Perimeter, Area & Volume
- ✓ And More!



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