

6 Oregon OSAS

GRADE 4 MATH PRACTICE TESTS

Standards-Aligned Review with
Mixed Practice and Answer Key



MASTER KEY MATH CONCEPTS
BUILD CONFIDENCE FOR TEST DAY

INCLUDES COMPREHENSIVE ANSWER KEY
ALIGNED STATE STANDARDS

6 Oregon OSAS Grade 4 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Six 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!

Six steady rounds on the Beaver State math route

This book gives you six 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?

Six tests, 180 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 4–6	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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1) Which comparison is correct?

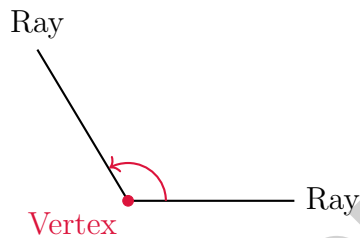
A. $456,200 > 456,300$

B. $345,678 < 345,667$

C. $189,450 = 189,451$

D. $234,567 < 234,576$

2) Look at this angle:



What type of angle is shown?

A. An acute angle

B. A right angle

C. An obtuse angle

D. A straight angle

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

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

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

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

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

4) Iris has 9 game cards worth 34 points each. What is the total value of all the cards?

A. 243 points

B. 380 points

C. 280 points

D. 306 points



5) Mia shaded $\frac{1}{8}$ on three different fraction bars. What is the total shaded?

- A. $\frac{1}{8}$
- B. $\frac{3}{8}$

- C. $\frac{3}{24}$
- D. $\frac{1}{24}$

6) There are 84 pencils in a box. 12 pencils are broken. The remaining good pencils are shared equally among 6 friends. How many pencils does each friend get?

- A. 14
- B. 10

- C. 16
- D. 12 pencils

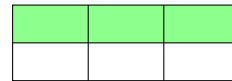
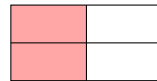
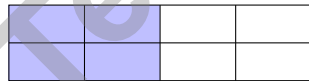
7) A water bottle holds 750 milliliters. How much water is in 2 bottles?

- A. 375 mL
- B. 750 mL

- C. 1,500 mL
- D. 2,250 mL

8) Write 0.7 in hundredths.

9) Look at the grids below. Which two fractions are equal?



Grid 1: $\frac{4}{8}$

Grid 2: $\frac{2}{4}$

Grid 3: $\frac{3}{6}$

- A. Grid 1 and Grid 2
- B. Grid 2 and Grid 3

- C. Grid 1 and Grid 3
- D. All three are equal

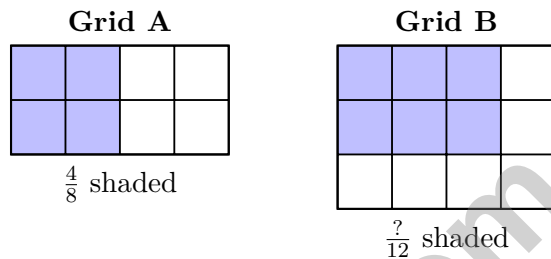


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10) A bathtub contains 120 fluid ounces of water. How many cups is this?

- A. 15 C. 60
 B. 30 D. 240

11) Look at the grid models below. Both grids show equivalent shaded regions. Which fraction should replace the question mark?



- A. $\frac{6}{12}$ C. $\frac{4}{12}$
 B. $\frac{8}{12}$ D. $\frac{3}{12}$

12) A fan blade rotates $\frac{7}{12}$ of a full turn. What is the angle measurement in degrees?

13) Mia bought 2,310 beads to share equally among herself and 4 friends (5 people total). How many beads does each person get?

- A. 462 C. 450
 B. 448 D. 458

Boxes and Balls

5 boxes: 55 balls

Balls per box = ?

1)

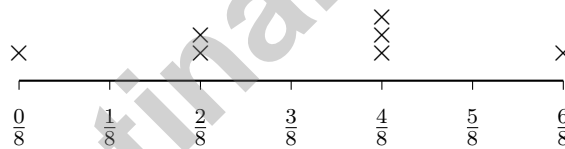
A store arranges 5 boxes of balls. If there are 55 balls total, how many balls are in each box?

 A. 9 C. 10 B. 12 D. 11 balls

2) Ethan has \$35 and spends \$12 on a book. How much money does he have left?

 A. \$12 C. \$47 B. \$23 D. \$35

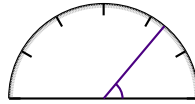
3) Here is a line plot with measurements in eighths:



What fraction represents the difference between the longest and shortest measurements?

 A. $\frac{2}{8}$ C. $\frac{5}{8}$ B. $\frac{4}{8}$ D. $\frac{6}{8}$ 

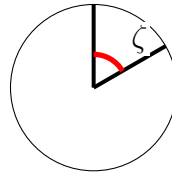
4)



What is the measure of the angle shown?

- A. 45 degrees C. 60 degrees
 B. 55 degrees D. 50 degrees

5)



What is the measure of angle ζ ?

- A. 30° C. 60°
 B. 45° D. 75°

6) What is the main characteristic of a line in geometry?

- A. It has exactly two endpoints C. It is always horizontal
 B. It continues forever in both directions D. It is shorter than a line segment

7) Which statement is true about 0.5 and 0.5?

- A. They are not equal C. One is greater than the other
 B. They are equivalent D. They cannot be compared



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1) What number is $100,000 + 20,000 + 3,000 + 0 + 50 + 0$?

A. 123,500

C. 123,050

B. 102,350

D. 120,350

2) What is 29×12 ?

A. 406

C. 464

B. 522

D. 348

3) A rectangle is 11 meters long and 9 meters wide. What is its area?



4) The place-value tables show two decimals.

Decimal	Tenths	Hundredths
Decimal 1	6	3
Decimal 2	3	6

Which decimal is smaller?

A. Decimal 1 (0.63)

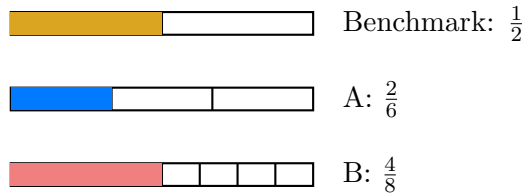
C. They are equal

B. Decimal 2 (0.36)

D. Cannot compare with diagrams

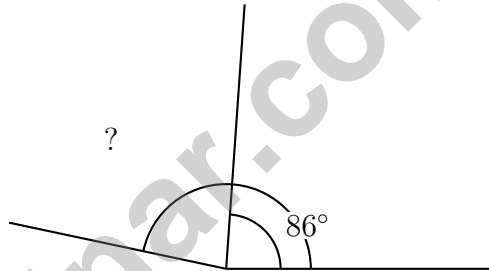


5) Which fraction is equivalent to $\frac{1}{2}$?



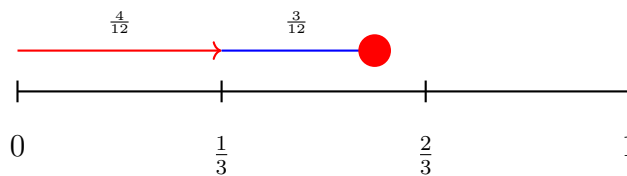
- A. $\frac{2}{6}$ is equivalent to $\frac{1}{2}$
 C. Both fractions are equivalent to $\frac{1}{2}$
 B. $\frac{4}{8}$ is equivalent to $\frac{1}{2}$
 D. Neither fraction is equivalent to $\frac{1}{2}$

6) A surveyor measures a land angle of 168° . A tree is planted such that it divides the angle into 86° and another part. What is the measure of the other part?



- A. 82°
 C. 254°
 B. 86°
 D. 90°

7) A number line shows two jumps to reach $\frac{7}{12}$:



Which equation matches the two jumps shown?

- A. $\frac{4}{12} + \frac{3}{12} = \frac{7}{12}$
 C. $\frac{6}{12} + \frac{1}{12} = \frac{7}{12}$
 B. $\frac{5}{12} + \frac{2}{12} = \frac{7}{12}$
 D. $\frac{4}{12} + \frac{4}{12} = \frac{8}{12}$



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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.NBT.A.2)** Looking at B: thousands and hundreds match. Tens place: $6 < 7$, so 234,567 < 234,576 is true. Others are false ✓
- Choice C is correct.** **(4.GM.A.1)** This angle opens wide — wider than a right angle but not as wide as a straight line. That makes it an obtuse angle, which is between 90° and 180° .
- Choice C is correct.** **(4.NF.B.3)** Add the wholes: $4 + 1 = 5$. Add the fractions: $\frac{1}{6} + \frac{4}{6} = \frac{5}{6}$. The sum is $5\frac{5}{6}$.
- Choice D is correct.** **(4.NBT.B.5)** Multiply by tens and ones: $9 \times (30 + 4) = 270 + 36 = 306$ points.
- Choice B is correct.** **(4.NF.B.4)** Adding three eighths together: $\frac{1}{8} + \frac{1}{8} + \frac{1}{8} = 3 \times \frac{1}{8} = \frac{3}{8}$.
- Choice D is correct.** **(4.OA.A.3)** Two steps! Step 1: take away the broken pencils: $84 - 12 = 72$ good pencils. Step 2: share equally among 6 friends: $72 \div 6 = 12$ pencils each.
- Choice C is correct.** **(4.GM.B.4)** Each bottle holds 750 mL. With 2 bottles, multiply: $750 \times 2 = 1,500$ mL. There are 1,500 milliliters of water.
- The correct answer is 0.70.** **(4.NF.C.5)** Use the equivalence: 7 tenths = 70 hundredths (because each tenth contains 10 hundredths). So $0.7 = 0.70$. The trailing zero doesn't change the value—it just shows the same amount in hundredths. ✓
- Choice D is correct.** **(4.NF.A.1)** Grid 1 shows $\frac{4}{8}$ with half shaded, Grid 2 shows $\frac{2}{4}$ with half shaded, Grid 3 shows $\frac{3}{6}$ with half shaded. All equal!
- Choice A is correct.** **(4.GM.B.4)** Since 1 cup = 8 fluid ounces, divide: $120 \div 8 = 15$ cups. The answer is **15** cups.
- Choice A is correct.** **(4.NF.A.1)** Grid A: $\frac{4}{8}$ shaded. Simplify: $\frac{4}{8} = \frac{1}{2}$. Grid B: $\frac{6}{12}$ shaded. Simplify: $\frac{6}{12} = \frac{1}{2}$. Both show the same amount!
- The correct answer is 210.** **(4.GM.C.7)** Multiply the fraction by 360: $\frac{7}{12} \times 360^\circ = 7 \times 30^\circ = 210^\circ$.
- Choice A is correct.** **(4.NBT.B.6)** Use long division: $23 \div 5 = 4$ r3, bring down the 1 to get $31 \div 5 = 6$ r1, bring down the 0 to get $10 \div 5 = 2$. Each person gets **462** beads.
- Choice D is correct.** **(4.OA.B.4)** Test the small primes: 23 is odd; digit sum $2 + 3 = 5$ (not $\div 3$); doesn't end in 0 or 5; $7 \times 3 = 21$, $7 \times 4 = 28$, no 7. So 23 has only factors 1 and itself—**prime**.
- The correct answer is A, E.** **(4.GM.B.6)** Check each: A ($5 \times 8 = 40$), B ($6 \times 6 = 36$), C ($3 \times 10 = 30$), D ($7 \times 6 = 42$), E ($8 \times 5 = 40$). Both A and E equal 40 sq m.
- Choice A is correct.** **(4.NBT.B.4)** Subtract by place value: no regrouping is needed. The answer is **32,324**.
- Choice B is correct.** **(4.GM.A.3)** The letter W has a series of peaks and valleys. A vertical line down the middle divides it so each side looks identical. The answer is **1** line of symmetry.
- Choice D is correct.** **(4.NBT.A.1)** A digit in the thousands place is worth digit $\times 1,000$; in the hundreds place, it's worth digit $\times 100$. The ratio is $1,000 \div 100 = 10$. ✓
- Choice B is correct.** **(4.NF.B.3)** The fraction bar is divided into 6 equal parts. The coral shows $\frac{4}{6}$ and the orange shows $\frac{2}{6}$. Add them: $4 + 2 = 6$ parts, or **1** whole.
- Choice C is correct.** **(4.NBT.A.3)** We're rounding to the nearest thousand. Look at the hundreds digit: 9. Since $9 \geq 5$, we round UP! The thousands digit changes from 4 to 5, so the answer is **65,000**. ✓
- The correct answer is 24.** **(4.OA.A.1)** "4 times as many" tells us to multiply. The cousin has $6 \times 4 = 24$ trains.
- Choice A is correct.** **(4.NF.B.3)** Count the shaded squares. Light: 4 squares out of 16. Dark: 8 squares. Together: $4 + 8 = 12$, so $\frac{4}{16} + \frac{8}{16} = \frac{12}{16}$. ✓
- Choice C is correct.** **(4.NF.B.4)** Each juice bottle holds $\frac{4}{5}$ cup, and there are 3 bottles. Multiply: $3 \times \frac{4}{5} = \frac{3 \times 4}{5} = \frac{12}{5} = 2\frac{2}{5}$ cups. The answer is **2 $\frac{2}{5}$** cups.
- Choice A is correct.** **(4.GM.C.8)** The ray points to the 42° mark, which is between the 30° and 60° benchmarks. Since $42^\circ < 90^\circ$, it's an acute angle. The answer is **42** degrees.
- Choice C is correct.** **(4.GM.A.2)** A rhombus has four equal sides and two pairs of parallel sides but does not have right angles. These attributes match the shape described in the problem. The answer is **C**.
- Choice A is correct.** **(4.NF.B.3)** In a relay race, one runner then another. Add their distances: $\frac{8}{10} + \frac{2}{10} = \frac{10}{10}$, which means they completed the entire track together!



A Note From Your Math Friend

Hi, Math Star!

◇ Wow! You finished 6 full practice tests. That is a LOT of math problems. You worked hard, and your brain got stronger every time. ◇

★ **Here is a big idea:** mistakes are okay! Every time you got something wrong, you got smarter. Through 6 tests, you learned that trying is the most important thing. ★

Look What You Did!

- **Hard Worker:** You did not give up!
- **Smart Thinker:** You used your math tools.
- **Brave Learner:** You tried hard problems.
- **Test Ready:** You feel proud and prepared.

Big tip for test day: take your time. Read each problem twice. Show your work. Check your answer. You can do this!

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

Jay Daie

Your Math Friend

PRACTICE TODAY, SUCCEED TOMORROW!

This **Grade 4 Math Practice Tests** book is the perfect tool to help students strengthen their math skills, master important concepts, and build confidence for test success.

With 6 full-length practice tests, a variety of question types, and detailed answer explanations, students get the review and practice they need to improve accuracy, develop critical thinking, and achieve their best.

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

PERFECT FOR:

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

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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.



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
- ✓ And More!



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