

# 3

# Oregon

# OSAS

## GRADE 4

# MATH

## PRACTICE TESTS

Standards-Aligned Review with  
Mixed Practice and Answer Key



**5 FULL-LENGTH**  
PRACTICE TESTS



**STANDARDS-ALIGNED**  
REVIEW



**MIXED PRACTICE**  
QUESTIONS



**ANSWER KEY**  
INCLUDED

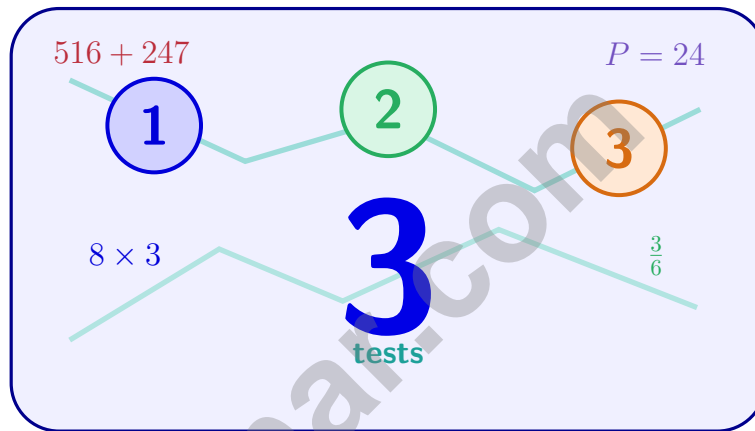
$$a^2 + b^2 = c^2$$

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



# 3 Oregon OSAS Grade 4 Math Practice Tests

*Standards-Aligned Practice for Stronger Math Skills and Test Readiness*



Three 30-question trail tests packed with Grade 4 review, Oregon OSAS strategy tips, answer keys, and step-by-step explanations that turn every miss into the next move.

**Jay Daie and Reza Nazari**



# Copyright ©

## Testinar Inc



Published by Testinar Inc

[Testinar.com](http://Testinar.com)

All rights reserved. No part of this publication may be reproduced, distributed, or transmitted in any form or by any means, including photocopying, recording, or other electronic or mechanical methods, without the prior written permission of the author, except in the case of brief quotations embodied in critical reviews and certain other noncommercial uses permitted by copyright law, including Section 107 or 108 of the 1976 United States Copyright Act.

This publication is independently produced and has no official connection to any state, district, or national testing program.

Test names and organizational names used herein are the property of their respective trademark holders.



*Copyright ©*

# Welcome, Oregon Math Explorer!

Three steady rounds on the Beaver State math route

This book gives you three full Grade 3 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?

Three tests, 90 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 1–3	Skill-building rounds with fractions, measurement, area, data, and two-step problems.
Tests 1–3	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

# Table of Contents

★ Practice Test 1	_____	14
★ Practice Test 2	_____	25
★ Practice Test 3	_____	36
Practice Test Answer Keys	_____	46
Practice Test Answers and Explanations	_____	49

1) A rectangle has a length of 13 inches and a width of 6 inches. What is its perimeter?

A. 19 in

B. 38 in

C. 78 in

D. 39 in

2) Which statement is true?

A.  $9 \times \frac{1}{9} = 0$

B.  $9 \times \frac{1}{9} = 1$

C.  $9 \times \frac{1}{9} = \frac{9}{1}$

D.  $9 \times \frac{1}{9} = 9$

3) A pencil is  $\frac{2}{5}$  decimeter long. What is the total length of 5 pencils?

A.  $\frac{2}{25}$  decimeter

B.  $\frac{10}{5}$  decimeters (or 2 decimeters)

C.  $\frac{7}{5}$  decimeters

D.  $\frac{10}{25}$  decimeter

4) A repeating pattern is: circle, square, circle, square, circle, square. What is the 10th shape?

 A. Circle B. Rectangle C. Triangle D. Square

5) There are 144 meters of rope to cut into 12 equal pieces. How many meters long is each piece?





10) Round 52,834 to the nearest hundred.

A. 53,000

C. 52,900

B. 52,834

D. 52,800

11) Put these decimals in order from smallest to largest: 0.5, 0.15, 0.51, 0.1

A. 0.1, 0.15, 0.5, 0.51

C. 0.5, 0.51, 0.15, 0.1

B. 0.15, 0.1, 0.5, 0.51

D. 0.1, 0.5, 0.15, 0.51

12) A four-digit number has 9 in the thousands place and 2 in the tens place. The hundreds and ones digits are unknown. What is the minimum value this number could have?

A. 9,220

C. 9,002

B. 9,200

D. 9,020

13) Tom has 8 red crayons. He has 3 times as many blue crayons as red crayons. How many blue crayons does Tom have?

A. 11

C. 32

B. 20

D. 24

14) Which TWO expressions equal  $5\frac{1}{4}$ ?

A.  $2\frac{2}{4} + 2\frac{3}{4}$

B.  $4\frac{3}{4} + 1$

C.  $3\frac{1}{4} + 2$

D.  $6\frac{3}{4} - 1\frac{1}{4}$

E.  $3\frac{1}{2} + 2$



1)  $\frac{4}{5}$  is equivalent to  $\frac{?}{20}$ . What is the missing numerator?

A. 12

C. 18

B. 24

D. 16

2) Use the chart to find the number.

Thousands	Hundreds	Tens	Ones
9	0	5	3

A. 953

C. 9,530

B. 9,503

D. 9,053

3) Ming has a ribbon that is  $\frac{5}{8}$  meter long. She cuts off  $\frac{3}{8}$  meter. How much ribbon remains?

A.  $\frac{2}{8}$  meter

C.  $\frac{3}{8}$  meter

B.  $\frac{8}{16}$  meter

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

4) Two jars of jam are the same size. One jar is  $\frac{3}{4}$  full, and another is  $\frac{4}{5}$  full. Which jar is more full?

A. The first jar ( $\frac{3}{4}$ )

C. Both are equally full

B. The second jar ( $\frac{4}{5}$ )

D. Cannot determine

5) A printer prints 250 pages per hour. How many pages does it print in 3 hours? Then 105 pages are removed. How many are left?

A. 750

C. 105

B. 855

D. 645 pages



Scan me!  
For more practice  
& answers

6) Which does NOT correctly decompose  $\frac{8}{10}$ ?

A.  $\frac{4}{10} + \frac{4}{10}$

C.  $\frac{2}{10} + \frac{5}{10}$

B.  $\frac{3}{10} + \frac{5}{10}$

D.  $\frac{1}{10} + \frac{7}{10}$

7)



A yard is divided into 4 equal parts. Green shows  $\frac{2}{4}$  and gray shows  $\frac{1}{4}$ . What fraction is not colored?

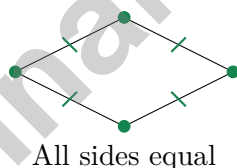
A.  $\frac{3}{4}$

C.  $\frac{2}{4}$

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

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

8) Look at the shape shown. It is a quadrilateral with four equal sides but no right angles. What is it?



A. Rectangle

C. Rhombus

B. Square

D. Trapezoid

9) Order from greatest to least: 0.35, 0.53, 0.33, 0.55.

A. 0.55, 0.53, 0.35, 0.33

C. 0.35, 0.33, 0.53, 0.55

B. 0.53, 0.55, 0.33, 0.35

D. 0.55, 0.35, 0.53, 0.33



1) What is  $2\frac{1}{3} - 1\frac{2}{3}$ ? (Hint: You may need to regroup.)

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

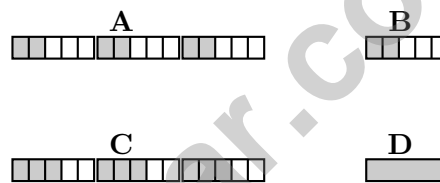
- C.  $1\frac{1}{3}$   
 D.  $2\frac{1}{3}$

2) A right angle is split into two smaller angles. One angle measures  $28^\circ$  more than the other. If the smaller angle is  $31^\circ$ , what is the measure of the other angle?

- A.  $59^\circ$   
 B.  $31^\circ$

- C.  $90^\circ$   
 D.  $62^\circ$

3) Which picture shows  $3 \times \frac{2}{5}$ ?



- A. Top-left picture  
 B. Top-right picture

- C. Bottom-left picture  
 D. Bottom-right picture

4) A triangle has three angles that are all less than  $90$  degrees. What type of triangle is it?

- A. Obtuse triangle  
 B. Acute triangle

- C. Right triangle  
 D. Isosceles triangle



5) Write 0.42 as a fraction with denominator 100.

6) Olivia made 4 groups, with each group containing  $\frac{1}{3}$  of a candy bar. How much candy does she have in total?

A.  $\frac{4}{3}$

B.  $\frac{1}{12}$

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

D.  $\frac{4}{12}$

7) Point  $T$  is between points  $R$  and  $S$ . If  $RT = 5$  and  $TS = 7$ , what is  $RS$ ?

8) A recipe needs 1 kilogram 200 grams of flour. Ollie measures out 800 grams. How many more grams does he need?

A. 200 g

B. 400 g

C. 1,000 g

D. 1,200 g

9) How many square tiles fit in a grid that is 26 units long and 12 units wide?

A. 200

B. 352

C. 262

D. 312



Scan me!  
For more practice  
& 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.**

Testinar.com



## Practice Test Answers and Explanations

### Practice Test 1 Answers and Explanations

- 1) **Choice B is correct.** **(4.GM.B.6)**  $P = 2(13) + 2(6) = 26 + 12 = 38$  in.
- 2) **Choice B is correct.** **(4.NF.B.4)** When we have 9 copies of  $\frac{1}{9}$ , we have all 9 of the equal parts, which make one complete whole. So  $9 \times \frac{1}{9} = 1$ .
- 3) **Choice B is correct.** **(4.NF.B.4)** Five pencils, each  $\frac{2}{5}$  decimeter long, give us  $5 \times \frac{2}{5} = \frac{10}{5} = 2$  decimeters total.
- 4) **Choice D is correct.** **(4.OA.B.4)** The pattern repeats every 2 shapes: circle, square, circle, square, ... Position 10 is even, so it's a square. ✓
- 5) **The correct answer is 12 m.** **(4.GM.B.4)** There are 144 meters of rope to cut into 12 pieces. Divide:  $144 \div 12 = 12$  meters. Each piece is **12** meters long.
- 6) **Choice A is correct.** **(4.NBT.B.4)** Add with regrouping: ones  $7 + 5 = 12$  (write 2, carry 1), tens  $4 + 8 + 1 = 13$  (write 3, carry 1), hundreds  $3 + 2 + 1 = 6$ , thousands  $2 + 3 = 5$ . The sum is **5,632**.
- 7) **Choice C is correct.** **(4.NF.C.5)** Compare place by place: Write 0.6 as 0.60. Now both have the same number of decimal places. Since  $60 > 59$  hundredths, we have  $0.6 > 0.59$ .
- 8) **Choice A is correct.** **(4.NBT.B.5)** Multiply by parts:  $6 \times (60 + 5) = 360 + 30 = \mathbf{390}$  miles per day.
- 9) **Choice C is correct.** **(4.NF.A.1)** The denominator goes from 6 to 12 (multiply by 2). Multiply the numerator by 2 also:  $\frac{3}{6} = \frac{3 \times 2}{6 \times 2} = \frac{6}{12}$ .
- 10) **Choice D is correct.** **(4.NBT.A.3)** We're rounding to the nearest hundred. Look at the tens digit: 3. Since  $3 < 5$ , we round DOWN. The hundreds digit stays at 8, giving us **52,800**. ✓
- 11) **Choice A is correct.** **(4.NF.C.5)** Tenths place has more weight than hundredths, so we always compare tenths first. Group by tenths: 0.1 and 0.15 start with 1 tenth (smaller group), while 0.5 and 0.51 start with 5 tenths (larger group). Within each group, compare hundredths:  $0.10 < 0.15$  and  $0.50 < 0.51$ . So the order from smallest to largest is 0.1, 0.15, 0.5, 0.51. ✓
- 12) **Choice D is correct.** **(4.NBT.A.1)** To find the minimum value, set the unknown digits (hundreds and ones) to 0. So: thousands 9, hundreds 0, tens 2, ones 0 gives **9,020**. ✓
- 13) **Choice D is correct.** **(4.OA.A.2)** "3 times as many" is a multiplication clue. Tom has 3 groups of 8 crayons:  $3 \times 8 = 24$  blue crayons.
- 14) **The correct answer is A, C.** **(4.NF.B.3)** Check A:  $2\frac{2}{4} + 2\frac{3}{4} = 4\frac{5}{4}$ . Since  $\frac{5}{4} = 1\frac{1}{4}$ , regroup to get  $5\frac{1}{4}$ . Correct! Check B:  $4\frac{3}{4} + 1 = 5\frac{3}{4}$ . No. Check C:  $3\frac{1}{4} + 2 = 5\frac{1}{4}$ . Correct! Check D and E: They equal different values. So A and C are correct.
- 15) **Choice D is correct.** **(4.GM.A.2)** Right angle markers at all four corners show that this figure has four right angles. A quadrilateral with four right angles is a rectangle. The answer is **D**.
- 16) **Choice D is correct.** **(4.NBT.A.2)** Counting from the right: ones, tens, hundreds, thousands. The thousands digit is 2. ✓
- 17) **The correct answer is  $\frac{8}{10}$ .** **(4.NF.B.4)** Eight parts of  $\frac{1}{10}$ :  $8 \times \frac{1}{10} = \frac{8}{10}$ .
- 18) **Choice A is correct.** **(4.NF.B.3)** Mia's string is  $\frac{11}{12}$  long. One piece is  $\frac{6}{12}$ , so the other must be  $\frac{11}{12} - \frac{6}{12} = \frac{5}{12}$ . Check:  $6 + 5 = 11$ . ✓
- 19) **Choice C is correct.** **(4.DR.A.1)** Look at the line plot where  $\frac{2}{4}$  inch is marked. Count the X marks stacked above that tick: we see **3** marks.
- 20) **Choice B is correct.** **(4.GM.C.7)** If three equal angles divide a circle:  $360^\circ \div 3 = 120^\circ$  per angle.
- 21) **The correct answer is 8,000.** **(4.GM.B.4)** Since 1 kilometer = 1,000 meters, multiply:  $8 \times 1,000 = 8,000$  m.
- 22) **Choice D is correct.** **(4.OA.B.4)** A multiple of 7 is what you get from  $7 \times$  a whole number. Since  $7 \times 7 = 49$ , that makes 49 a multiple of 7. The others don't fit:  $45 = 5 \times 9$ ,  $52 = 4 \times 13$ ,  $60 = 6 \times 10$ .
- 23) **Choice B is correct.** **(4.GM.C.9)** From 12 o'clock to 6 o'clock is a straight line. Add both angles:  $54^\circ + 126^\circ = \mathbf{180^\circ}$ .
- 24) **Choice B is correct.** **(4.NF.C.5)** Four tenths equals:  $\frac{4}{10} = \frac{40}{100} = 0.40 = 0.4$ .
- 25) **Choice A is correct.** **(4.NF.A.1)** Diego started with the whole bar ( $\frac{6}{6}$ ). After giving  $\frac{1}{6}$  away, he has  $\frac{5}{6}$  left. The original ( $\frac{6}{6}$ ) is larger.



Scan me!  
For more practice  
& answers

---

## Author's Note

### From a Friend Who Believes in You

---

#### Hi, Friend!

◇ I just want to say something important: I am proud of you. You did 3 full practice tests. That takes time, hard work, and heart. ◇

★ **Friendly truth:** a test is just one part of your math journey. You are SO much more than a score. The work you did is the real win! ★

#### What I Want You to Know

- **You are smart.** Every test you finished proves it.
- **You are brave.** You tried hard problems.
- **You are growing.** Mistakes taught you new things.
- **You are ready.** The skills are inside you.

**One more thing:** on test day, take a deep breath. Smile. Remember that someone (me!) believes in you. You can do this!

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 Friend

# PRACTICE TODAY. SUCCEED TOMORROW!

This **Grade 4 Math Practice Tests** book is designed to help students build strong math skills, master key concepts, and gain the confidence they need to excel on any test.

With 3 full-length practice tests, a variety of question types, and detailed answer explanations, students get the review and practice they need to strengthen problem-solving skills and achieve their best.

Perfect 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.



### 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 & Decimals
- ✓ Measurement & Data
- ✓ Geometry & Shapes
- ✓ Perimeter & Area
- ✓ Word Problems
- ✓ Patterns & Algebraic Thinking
- ✓ And More!



Visit [testinar.com/math4](https://testinar.com/math4)

for additional Grade 4 math resources and practice materials.

## MORE PRACTICE. GREATER RESULTS.

Give your child the tools needed to develop strong math skills, confidence, and a positive attitude toward learning.



3 FULL-LENGTH  
PRACTICE TESTS



STANDARDS-  
ALIGNED REVIEW



MIXED PRACTICE  
QUESTIONS



ANSWER KEY  
INCLUDED