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★
10

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Oregon

OSAS



GRADE 3

MATH

PRACTICE TESTS

✓ Complete Standards Review

✓ Skill Practice

✓ Word Problems
and Answer Key

2 × 7 + 4



★ ★ ★
**PREPARE
PRACTICE
SUCCEED!**
★ ★ ★



Aligned to
Grade 3 Math
Standards



Build Confidence
and Master
Math Skills



Test-Taking
Practice for
Success



Answer Key
for Easy
Review

10 Oregon OSAS Grade 3 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Ten complete 30-question Grade 3 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 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?

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.

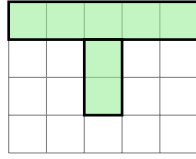


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- 1) A grid shows a T-shaped figure made of unit squares. You can count by columns or by rows.

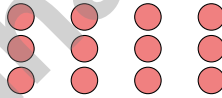


How many unit squares form this T-shape?

- A. 5 sq units C. 10 sq units
 B. 7 sq units D. 15 sq units
- 2) A runner drove 268 miles on Monday and 305 miles on Tuesday. She estimates the total distance by rounding each number to the nearest hundred. What is her estimate?

- A. 500 miles C. 700 miles
 B. 800 miles D. 600 miles

3)



How many circles are in this picture?

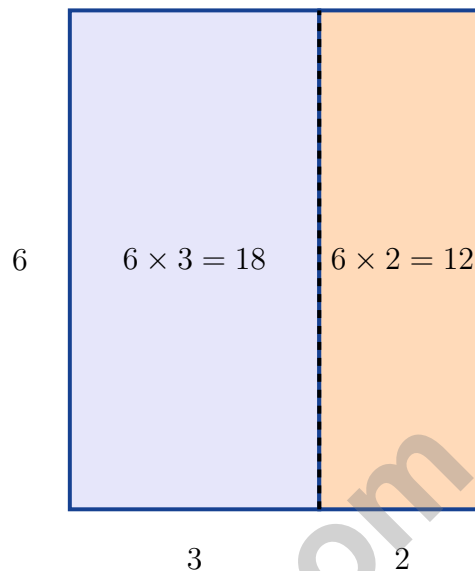
- A. 7 circles C. 9 circles
 B. 10 circles D. 12 circles

4) Round 682 to the nearest 100.

- A. 600 C. 682
 B. 680 D. 700



5) Look at this area model for $6 \times (3 + 2)$.



This shows that $6 \times (3 + 2)$ equals:

- A. $18 + 2 = 20$ C. $6 + 3 + 2 = 11$
 B. 6×4 D. $18 + 12 = 30$
- 6) A picture graph shows toys. Rio has 8 symbols (scale: 3 toys per symbol). Alex has 5 symbols (scale: 3 toys per symbol). How many fewer toys does Alex have than Rio?
- A. 3 C. 9
 B. 6 D. 12
- 7) Mia's rectangular bedroom needs new carpet tiles. The room is 10 units by 4 units. How many unit square tiles will cover the entire floor?
- A. 14 tiles C. 40 tiles
 B. 28 tiles D. 80 tiles



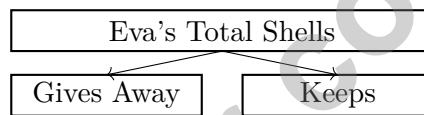
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8) Fill in the missing number in the multiplication table:

×	2	3	4
5	10	15	_____

What is 5×4 ? Describe the pattern.

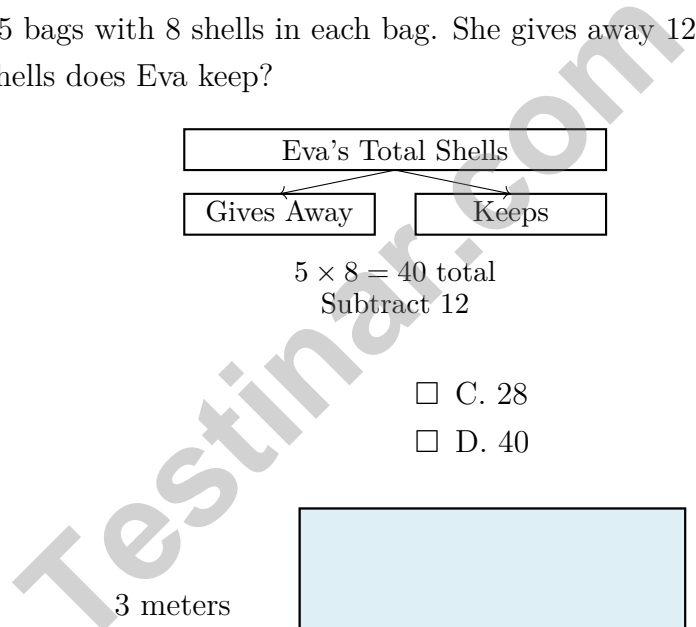
9) Eva collects 5 bags with 8 shells in each bag. She gives away 12 shells to her friend. How many shells does Eva keep?



$5 \times 8 = 40$ total
Subtract 12

- A. 12
- B. 24

- C. 28
- D. 40



10)

6 meters

A rectangular pool is 6 meters long and 3 meters wide. Find its area.

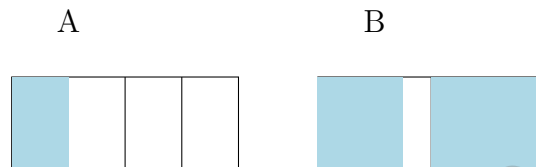
- A. 9 sq m
- B. 36 sq m

- C. 15 sq m
- D. 18 sq m

5) A classroom floor is a rectangle. It is 8 meters long and 6 meters wide. How many square meters is the classroom floor?

- A. 14 square meters C. 28 square meters
 B. 48 square meters D. 56 square meters

6) Look at these two rectangles. Which one shows $\frac{1}{4}$ shaded?



- A. Rectangle A C. Neither shows $\frac{1}{4}$
 B. Rectangle B D. Both show $\frac{1}{4}$
- 7) A piece of ribbon is divided into 2 equal lengths on a number line from 0 to 1. What is the unit fraction?

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

8) A tile floor has area 18 square feet. Which dimensions could make this area?

- A. 2 ft and 8 ft C. 4 ft and 5 ft
 B. 3 ft and 6 ft D. 4 ft and 6 ft

9) An L-shaped patio is divided by dashed lines. The upper part is 5 m by 4 m. The lower left part is 3 m by 2 m. Find the total area of the patio.



1) Which multiplication fact can help you find $64 \div 8$?

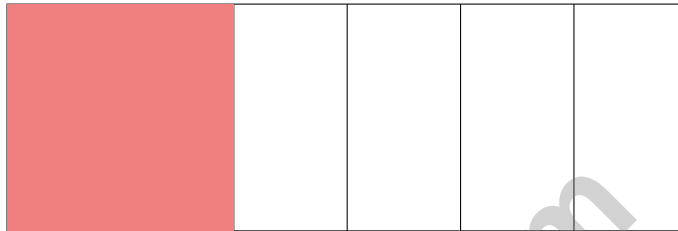
A. $8 \times 7 = 56$

C. $8 \times 9 = 72$

B. $8 \times 6 = 48$

D. $8 \times 8 = 64$

2) Look at the rectangle. It is divided into 6 equal parts, and 2 parts are shaded. Which other fraction is EQUAL to the shaded amount?



Shaded: $\frac{2}{6}$

A. $\frac{3}{8}$

C. $\frac{2}{8}$

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

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

3) A rectangle's area can be written as $3 \times (5 + 4)$. What is the total area?

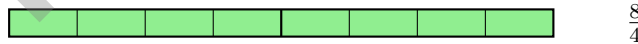
A. 12

C. 27

B. 15

D. 20

4) The bar shows $\frac{8}{4}$. How many whole units?



$\frac{8}{4}$

A. 1 whole

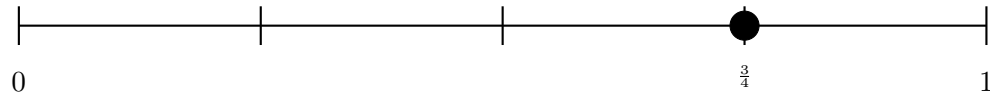
C. 4 wholes

B. 2 wholes

D. 8 wholes



- 5) On a number line from 0 to 1 divided into 4 equal parts, how many equal parts fit in the distance from 0 to $\frac{3}{4}$?



- A. 1 part C. 3 parts
 B. 2 parts D. 4 parts
- 6) Which shape has opposite sides that are parallel and equal in length?
- A. Triangle C. Pentagon
 B. Trapezoid D. Parallelogram
- 7) A picture graph shows books checked out. Each book symbol is 10 books. Class A checked out 5 symbols, Class B checked out 3 symbols. How many more books did Class A check out?
- A. 2 C. 50
 B. 20 D. 80
- 8) Lily makes 4 necklaces using 5 beads for each necklace. How many beads does Lily use?
- A. 9 C. 25
 B. 15 D. 20
- 9) Write one multiplication equation for an array with 3 rows and 6 columns.



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Practice Test Answer Keys

How to use this section with a Grade 3 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.** **(3.GM.C.6)** Count the top row: 5 squares. Count the center column below: 2 more squares. Total: $5 + 2 = 7$ unit squares.
- 2) **Choice D is correct.** **(3.NBT.A.2)** Round 268 to the nearest hundred: 300 (since $268 > 250$). Round 305 to the nearest hundred: 300. Estimate: $300 + 300 = 600$ miles. (Exact answer: 573 miles.)
- 3) **Choice D is correct.** **(3.OA.A.2)** The picture shows 4 columns with 3 circles in each column. So $4 \times 3 = 12$ circles.
- 4) **Choice D is correct.** **(3.NBT.A.1)** The tens digit is 8. Since $8 \geq 5$, round up: 682 rounds to 700.
- 5) **Choice D is correct.** **(3.OA.B.5)** The area model shows two rectangles: $6 \times 3 = 18$ and $6 \times 2 = 12$. Adding them: $18 + 12 = 30 = 6 \times 5$.
- 6) **Choice C is correct.** **(3.DR.B.2)** Rio: $8 \times 3 = 24$. Alex: $5 \times 3 = 15$. Fewer: $24 - 15 = 9$.
- 7) **Choice C is correct.** **(3.GM.C.5)** $10 \times 4 = 40$ unit square tiles are needed.
- 8) **The correct answer is 20.** **(3.OA.D.9)** The row for 5 shows 10, 15, and then 20. Each number increases by 5 because we multiply 5 by 2, then 3, then 4. So $5 + 5 = 10 + 5 = 15 + 5 = 20$.
- 9) **Choice C is correct.** **(3.OA.D.8)** Step 1: Total shells: $5 \times 8 = 40$ shells. Step 2: Subtract given away: $40 - 12 = 28$ shells kept.
- 10) **Choice D is correct.** **(3.OA.A.4)** Area = length \times width = $6 \times 3 = 18$ square meters.
- 11) **Choice D is correct.** **(3.OA.C.7)** $72 \div 8 = 9$. Each page holds 8 stickers, so 72 stickers fill 9 pages.
- 12) **Choice C is correct.** **(3.DR.B.2)** Add all X's: $1 + 3 + 2 + 4 = 10$ stems total.
- 13) **Choices A and C are correct.** **(3.NBT.A.3)** $6 \times 40 = 240$ and $4 \times 60 = 240$. Choice B is $8 \times 20 = 160$, choice D is $3 \times 70 = 210$, and choice E is $6 \times 30 = 180$.
- 14) **Choice D is correct.** **(3.OA.A.2)** This is a measurement division: How many groups of 5 fit in 20? $20 \div 5 = 4$.
- 15) **Choice A is correct.** **(3.OA.B.6)** From the fact-family triangle with factors 4 and 9 and product 36, we write two divisions: $36 \div 4 = 9$ and $36 \div 9 = 4$. The factors become quotients.
- 16) **Choice A is correct.** **(3.GM.A.2)** The distributive property breaks 5 into 2 + 3 and multiplies 7 by each part.
- 17) **Choice B is correct.** **(3.GM.C.6)** Option B is $2 \times 3 = 6$ unit squares. Option A has 3 unit squares, Option C has 4, and Option D has 5.
- 18) **The correct answer is 24 square inches.** **(3.GM.C.5)** $8 \times 3 = 24$ square inches.
- 19) **Choice B is correct.** **(3.GM.C.7)** Area = $5 \times 2 = 10$ square units.
- 20) **Choice B is correct.** **(3.NF.A.2)** Each tick is $\frac{1}{4}$ of the distance from 0 to 1. The second tick is 2 copies of $\frac{1}{4} = \frac{2}{4}$.
- 21) **Choice A is correct.** **(3.NF.A.3)** $\frac{2}{6}$ and $\frac{1}{3}$ show the same shaded amount. They are equivalent.
- 22) **Choice C is correct.** **(3.NF.A.2)** $\frac{4}{6} = \frac{2}{3}$. Both equal two-thirds.
- 23) **Choice C is correct.** **(3.GM.A.1)** A trapezoid is defined as a quadrilateral with exactly one pair of parallel sides.
- 24) **Choice A is correct.** **(3.NF.A.3)** Eli ate the whole bar because $\frac{3}{3} = 1$. Mia ate less than the whole bar, so Eli ate more.
- 25) **Choice D is correct.** **(3.OA.A.3)** First multiply to find total buttons: 4 bags \times 6 buttons per bag = 24 buttons. Then divide by buttons per bracelet: $24 \div 8 = 3$ bracelets.
- 26) **The correct answer is $\frac{3}{4}$.** **(3.GM.A.2)** Three shaded parts out of 4 equal parts is $\frac{3}{4}$.
- 27) **Choice D is correct.** **(3.OA.A.4)** Divide: $54 \div 9 = 6$. Check: $9 \times 6 = 54$.
- 28) **Choice B is correct.** **(3.GM.A.2)** The circle has 8 equal parts, so one shaded part is $\frac{1}{8}$, not $\frac{1}{4}$. Ana made an error by not counting the total number of equal parts.
- 29) **Choice A is correct.** **(3.GM.C.5)** When breaking a composite shape into rectangles, add their areas because the rectangles do not overlap.
- 30) **Choice B is correct.** **(3.GM.C.5)** 5 rows \times 2 columns = $5 \times 2 = 10$ square units. A is sum error.

Practice Test 2 Answers and Explanations



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Hi, Brave Explorer!

◇ What a trip! You explored 10 full tests. You went to many math places: multiplication, fractions, area, time, and more. ◇

★ **Smart explorers know:** every trip teaches something. Through 10 tests, you learned a lot. You are a stronger math explorer now. ★

Your Explorer Tools

- **Map Reading:** You read problems carefully.
- **Trail Skills:** You take steps in the right order.
- **Backpack:** You have many math tools.
- **Brave Heart:** You explore even hard problems.

Explorer tip: on test day, use the tools you packed. You have the skills. You are ready!

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. SUCCEED TOMORROW!

Give your child the advantage they need in **Grade 3 Math** with 10 full-length practice tests that build skills, boost confidence, and improve results. Designed to mirror real test formats, this book helps students master essential math concepts and feel ready for any challenge.



INSIDE THIS BOOK:



10 Full-Length Practice Tests

Realistic tests that simulate the look and feel of actual Grade 3 math assessments.



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