

5

Washington

Smarter Balanced

GRADE 3

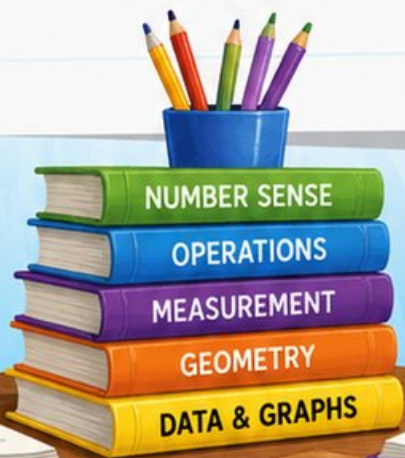
MATH

PRACTICE TESTS

Standards-Aligned Practice with  
Review, Answer Keys, and Explanations

$24 \div 3 = 8$

$125 + 37$



5 FULL-LENGTH  
PRACTICE TESTS



STANDARDS-  
ALIGNED  
PRACTICE



DETAILED  
ANSWER KEYS



CLEAR  
EXPLANATIONS  
TO HELP YOU SUCCEED

# 5 Washington Smarter Balanced Grade 3 Math Practice Tests

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



Five focused 30-question checkpoints for Grade 3 math: facts, fractions, measurement, data, area, shapes, answer keys, and clear explanations for every item.

**Jay Daie and Reza Nazari**



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# Welcome to the Five Checkpoint Quest

Five tests, five fresh starts, and one stronger Grade 3 thinker



Read. Model. Solve. Check. Grow.

## To the Grade 3 Math Explorer

This book gives you five practice checkpoints for the Washington Smarter Balanced. Each checkpoint is a full 30-question test, so you can practice stamina, accuracy, and the habit of showing what you know.

Washington has rainy forests, mountain peaks, ferry routes, and timing that rewards planning. Strong math uses the same kind of careful planning: look at the path, choose a tool, and check your work before moving ahead.

### Notice

Circle key words, units, and numbers before you start.

### Build

Use arrays, number lines, equations, tables, or sketches.

### Verify

Ask, "Does this answer fit the question?"

**Five-checkpoint promise:** I will try each test with patience, mark my mistakes honestly, and use every correction to make the next checkpoint stronger.

# How to Use This Book

A five-step routine for steady Grade 3 growth

Use one checkpoint at a time. A good pace is one test, one careful review, and one short skill tune-up before the next test.

1. **Preview the tools.** Skim the reference page and remember where multiplication, fractions, measurement, and shapes appear.
2. **Take one full test.** Work neatly. If a problem feels stuck, mark it and keep moving.
3. **Check the answer key.** Notice the question type: multiple choice, select all, or open-ended.
4. **Study explanations.** Pick two missed questions and redo them without looking.
5. **Choose the next focus.** Write one habit to carry into the next checkpoint.

**Best review habit:** Do not just ask, “What was the answer?” Ask, “What clue did I miss, and what tool should I try next time?”



## What Is Inside?

Five complete practice tests with review support

Part	What You Do	Why It Helps
Practice Tests 1–5	Solve five different 30-question tests.	Build stamina and see many Grade 3 skills mixed together.
Answer Keys	Check each answer in compact boxes.	Find mistakes quickly without losing your place.
Explanations	Read the reason behind each answer.	Turn missed items into a clear next step.
Standards Reference	See how Washington Grade 3 standards connect to practice.	Understand the skills behind the questions.

Each test has 26 multiple-choice questions, 1 select-all question, and 3 open-ended questions. That mix gives students practice with quick choices, careful reasoning, and short written answers.



Scan me!  
For more practice  
& answers

# Table of Contents

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1) Skip count by 6: 6, 12, 18, 24, 30, 36.

What is the next number?

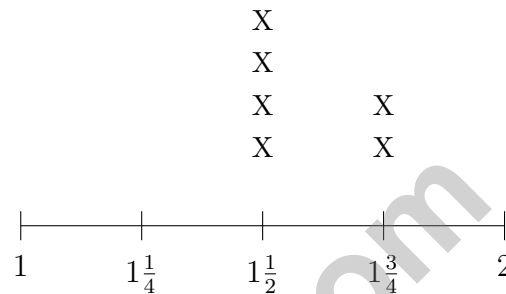
A. 40

C. 42

B. 41

D. 48

2) Mia's line plot shows snack weights in ounces:  $1, 1\frac{1}{4}, 1\frac{1}{2}, 1\frac{3}{4}, 2$ .



What is the difference between the largest and smallest numbers of X's?

A. 1

C. 3

B. 2

D. 4

3) A bottle holds 2000 milliliters of juice. A glass holds about 250 milliliters. Which is the BEST estimate of how many glasses can be filled from the bottle?

A. 2

C. 8

B. 4

D. 12

4) Priya has 8 packs of trading cards. Each pack has 6 cards. How many cards does she have in all?

A. 42 cards

C. 56 cards

B. 14 cards

D. 48 cards



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For more practice  
& answers

5) A bakery puts 20 cupcakes into boxes of 5. How many boxes do they fill?

- A. 3                                       C. 5  
 B. 100                                     D. 4

6) A picture graph shows ribbons. Each star is 2 ribbons. Look at the graph.

Key: ★ = 2 ribbons

Red: ★ ★ ★ ★

Blue: ★ ★

- A. Red has 4 ribbons, blue has 2 ribbons.       C. Red has 6 ribbons, blue has 4 ribbons.  
 B. Red has 8 ribbons, blue has 4 ribbons.       D. Red has 8 ribbons, blue has 8 ribbons.

7) If a quadrilateral has 4 equal sides but the angles are not all right angles, what is it?

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

8) A tiling splits a rectangle into  $2 \times (9 + 1)$ . What is the total area of both smaller rectangles?

- A. 11     C. 20  
 B. 18     D. 10



9) Write a fraction equivalent to  $\frac{1}{2}$  with a denominator of 4 using multiplication.

10) Mr. Kim buys 6 cases of juice with 9 bottles in each case. He donates 15 bottles to the school. How many bottles does he have left?

A. 24

C. 48

B. 39

D. 54

11) A composite shape is broken into rectangles by dashed lines. Areas are 25 sq units and 14 sq units. What is the total?

A. 11 sq units

C. 39 sq units

B. 50 sq units

D. 350 sq units

12) Look at the pattern in the table. What is  $8 \times 10$ ?

Problem	Product
$3 \times 10$	30
$5 \times 10$	50
$7 \times 10$	70
$8 \times 10$	?

A. 18

C. 810

B. 80

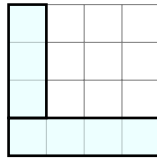
D. 108



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For more practice  
& answers



- 4) This grid shows an L-shaped figure made of unit squares. Count all the unit squares to find the area.



How many unit squares cover this L-shape?

- A. 4 sq units                       C. 8 sq units  
 B. 7 sq units                       D. 12 sq units

5)

Hundreds	Tens	Ones	Total	?
----------	------	------	-------	---

Lily has 3 hundreds, 2 tens, and 6 ones. Her friend gives her 1 hundred, 4 tens, and 7 ones. What is the total?

- A. 473                                   C. 513  
 B. 503                                   D. 523
- 6) A farmer puts 7 eggs in each carton. If he fills 9 cartons, how many eggs are there?
- A. 56 eggs                               C. 72 eggs  
 B. 16 eggs                               D. 63 eggs
- 7) On a number line from 0 to 1 divided into 4 equal parts, how many unit fractions  $\frac{1}{4}$  fit between 0 and the second tick?
- A. 1     C. 3  
 B. 2     D. 4



1) A candy bar is divided into 2 equal pieces. You eat one piece. What fraction of the candy bar do you eat?

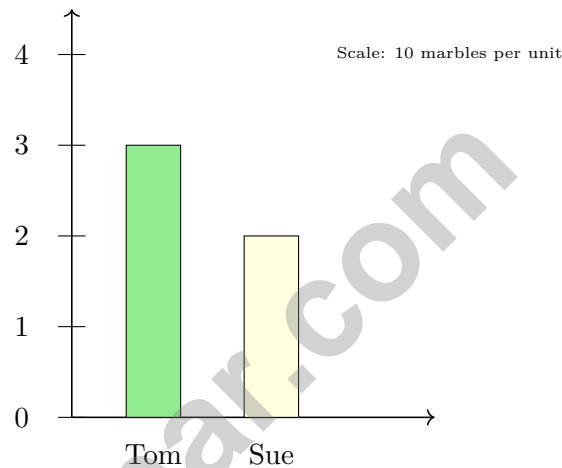
A.  $\frac{1}{3}$

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

C.  $\frac{1}{2}$

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

2) A bar graph shows marbles. The scale is 10 marbles per unit. Read the bars and find how many more marbles one person has.

 A. Tom has 10 more marbles. B. Tom has 20 more marbles. C. Sue has 10 more marbles. D. They have the same number.

3) A factory packages 90 toys equally into 9 crates. They ship away 4 crates. How many toys remain?

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

Scan me!  
For more practice  
& answers

4) Look at this part of the  $2 \times 2$  multiplication table:

$\times$	1	2	3
2	2	4	6
4	4	8	12

Which pattern do you see in the row for 2?

- A. Goes up by 2 each time
- B. Goes up by 1 each time
- C. Goes up by 3 each time
- D. Goes up by 4 each time
- 5) Which strategy would be MOST efficient for computing  $405 - 189$ ?
- A. Use the standard algorithm with regrouping across a zero
- B. Decompose both numbers by place value and subtract each part
- C. Count up from 189 to 405 on a number line
- D. Round both numbers and subtract the rounded amounts
- 6) Amira has 15 beads. She wants to make 3 necklaces with equal beads. She knows  $3 \times 5 = 15$  helps her. How many beads in each necklace?
- A. 3 beads
- B. 18 beads
- C. 15 beads
- D. 5 beads
- 7) Lily wrote these four facts about the same numbers. Which one does NOT belong in the fact family?
- A.  $36 \div 6 = 6$
- B.  $9 \times 4 = 36$
- C.  $36 \div 9 = 4$
- D.  $4 \times 9 = 36$



## 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 C is correct.** **(3.OA.D.9)** Add 6 each time:  $36 + 6 = 42$ . This is the pattern for multiples of 6.
- 2) **Choice D is correct.** **(3.MD.B.4)** The largest count is 4 X's at  $1\frac{1}{2}$  ounces. Some marks have 0 X's. The difference is  $4 - 0 = 4$ .
- 3) **Choice C is correct.** **(3.MD.A.2)** Divide:  $2000 \div 250 = 8$  glasses.
- 4) **Choice D is correct.** **(3.OA.A.1)** 8 packs with 6 cards each means 8 groups of 6. So  $8 \times 6 = 48$  cards.
- 5) **Choice D is correct.** **(3.OA.A.2)** Measurement division:  $20 \div 5 = 4$ . There are 4 groups of 5 in 20.
- 6) **Choice B is correct.** **(3.MD.B.3)** Red:  $4 \text{ stars} \times 2 = 8$ . Blue:  $2 \text{ stars} \times 2 = 4$ .
- 7) **Choice D is correct.** **(3.G.A.1)** A rhombus has 4 equal sides. If all angles were right angles, it would be a square. Since they are not, it is just a rhombus.
- 8) **Choice C is correct.** **(3.MD.C.7c)**  $2 \times (9 + 1) = 2 \times 10 = 20$  or  $(2 \times 9) + (2 \times 1) = 18 + 2 = 20$ .
- 9) **The correct answer is  $\frac{2}{4}$ .** **(3.NF.A.3b)** Multiply the numerator and denominator by 2:  $\frac{1 \times 2}{2 \times 2} = \frac{2}{4}$ .
- 10) **Choice B is correct.** **(3.OA.D.8)** Step 1: Find total bottles:  $6 \times 9 = 54$  bottles. Step 2: Subtract:  $54 - 15 = 39$  bottles left. (Choice D is step 1 only; choice C is incorrect.)
- 11) **Choice C is correct.** **(3.MD.C.7d)** Add the areas:  $25 + 14 = 39$  square units.
- 12) **Choice B is correct.** **(3.NBT.A.3)** The pattern shows: when you multiply any number by 10, you write the number and add a zero. So  $8 \times 10 = 80$ .
- 13) **Choice A is correct.** **(3.NF.A.2a)** Fewer parts mean larger individual pieces.  $\frac{1}{2} > \frac{1}{4}$ .
- 14) **Choice B is correct.** **(3.NF.A.3c)** When numerator = denominator, the result is always 1 whole.  $\frac{3}{3} = 1$ .
- 15) **Choices A and C are correct.** **(3.OA.A.4)** Equations A and C belong to the same fact family because both use the numbers 5, 7, and 35. Choices B, D, and E use different numbers.
- 16) **Choice C is correct.** **(3.NF.A.2)**  $\frac{1}{8} \neq \frac{2}{4}$  because  $\frac{1}{8}$  is much smaller.  $\frac{2}{4} = \frac{1}{2}$ , which is much farther from 0.
- 17) **Choice C is correct.** **(3.MD.C.7)** Adding the width 3 eight times:  $3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 = 24$ . This is the same as  $8 \times 3 = 24$  square feet.
- 18) **Choice C is correct.** **(3.MD.C.5b)** Count the rows: 3 rows. Count across: 5 unit squares in each row. Total:  $5 + 5 + 5 = 15$  unit squares cover the rectangle.
- 19) **The correct answer is 8.** **(3.OA.C.7)**  $72 \div 9 = 8$ .
- 20) **Choice C is correct.** **(3.NBT.A.1)** The ones digit is 7. Since  $7 \geq 5$ , round up: 147 rounds to 150.
- 21) **Choice C is correct.** **(3.MD.C.5a)** The garden is  $6 \text{ m} \times 2 \text{ m} = 12 \text{ m}^2$ , which equals 12 unit squares of 1 m by 1 m.
- 22) **Choice B is correct.** **(3.NF.A.3d)** Same numerator (4): four fourths equals one whole bar, while four eighths is only half the bar. Fourth is bigger piece than eighths, so  $\frac{4}{4} > \frac{4}{8}$ .
- 23) **The correct answer is 24 square units.** **(3.MD.C.5)** The rectangle has 4 rows of 6 unit squares.  $4 \times 6 = 24$  square units.
- 24) **Choice B is correct.** **(3.NF.A.1)** The circle is divided into 4 equal parts. One part is shaded, so the shaded fraction is  $\frac{1}{4}$  (one-fourth).
- 25) **Choice D is correct.** **(3.MD.C.7b)** Area = length  $\times$  width =  $6 \times 3 = 18$  square meters.
- 26) **Choice D is correct.** **(3.OA.B.5)** 4 boxes with 5 markers in each is  $4 \times 5 = 20$  markers total.
- 27) **Choice D is correct.** **(3.NF.A.3a)** Both A ( $\frac{1}{2}$ ) and D ( $\frac{2}{4}$ ) represent one-half of their rectangles.
- 28) **Choice D is correct.** **(3.OA.B.6)** Every multiplication fact has two related division facts. From  $6 \times 7 = 42$ , we get  $42 \div 6 = 7$ . The factors switch roles.
- 29) **Choice C is correct.** **(3.MD.A.1)**  $6 : 19 + 26 \text{ min} = 6 : 45 \text{ PM}$ .
- 30) **Choice D is correct.** **(3.MD.C.6)** Area =  $10 \times 6 = 60$  square centimeters.

### Practice Test 2 Answers and Explanations



Lab Notes for a Young Scientist

## Hi, Curious Scientist!

◇ 5 tests. So many experiments! You tested ideas. You watched what worked. You learned a lot. That's how scientists work—and how you work! ◇

★ **Scientists know:** mistakes are facts, not failures. Every problem you missed taught you something. You used those facts to do better next time. ★

### Lab Results

- **Hypothesis:** CONFIRMED! Practice makes you better.
- **Method:** STRONG! You try, watch, and adjust.
- **Data:** CAREFUL! You read and copy numbers right.
- **Conclusion:** READY! You can do this test.

**Scientist tip:** on test day, stay curious. Ask, "What is this asking?" Then experiment with your math tools. You will find the answer!

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 Scientist

# Build Skills. Boost Confidence. Excel in Grade 3 Math!

This book provides 5 full-length Grade 3 math practice tests that follow standards and help students achieve real results.



## 5 Full-Length Practice Tests

Realistic tests to build stamina and familiarity.



## Standards-Aligned Practice

Questions match Grade 3 math standards and key skills.



## Answer Keys & Explanations

Detailed answers that show steps and clear reasoning.



## Review & Master Skills

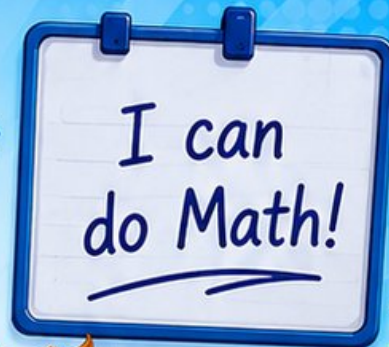
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for more Grade 3 math resources  
and practice materials!



$$\begin{array}{r} 7 \times 8 \\ = 56 \end{array}$$

$$\begin{array}{r} 36 \\ \div 4 = 9 \end{array}$$

$$\begin{array}{r} 452 \\ - 178 \\ \hline = 274 \end{array}$$



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to Succeed in Grade 3 Math!



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