

4

Washington

Smarter Balanced

Grade 3

MATH

PRACTICE TESTS

Standards-Aligned Practice



STANDARDS-ALIGNED

Practice to build skills and boost confidence



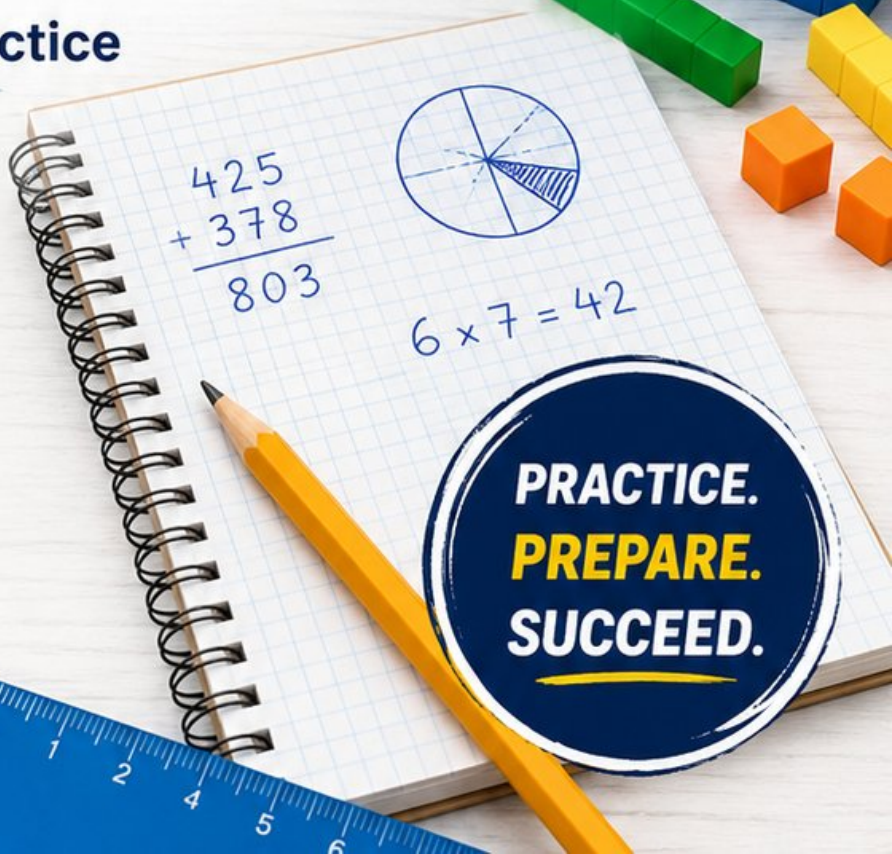
4 FULL-LENGTH TESTS

Realistic questions to prepare for test day



ANSWER KEYS & EXPLANATIONS

Detailed solutions to learn and improve



4 Washington Smarter Balanced Grade 3 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



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

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Welcome to the Washington Math Launch

Four missions, careful work, and a stronger Grade 3 thinker



Read the mission. Show the work. Check the answer. Launch again.

To the Grade 3 Mission Leader

This book is a four-mission practice launch for the Washington Smarter Balanced. Each test gives you a fresh chance to multiply, divide, read graphs, compare fractions, measure, find area, and explain math in a way someone else can follow.

Washington has rainy forests, mountain peaks, and ferry routes where timing and planning help. Good math uses the same habit: pause, check the details, and move forward with a steady plan.

Notice

Find the numbers, units, and question before choosing a path.

Model

Draw an array, number line, table, or quick equation.

Verify

Ask whether your answer fits the story and the unit.

Launch promise: I will slow down at the important moments, show the work I can, and use every miss as a clue for the next mission.

How to Use This Book

A four-mission routine for steady Grade 3 growth

1. Warm Up the System

Read the review pages first. Remind your brain how equal groups, fractions, clocks, graphs, and area models work.

2. Fly One Mission

Take one complete 30-question test. Keep your work neat enough that you can check it later.

3. Review the Flight

Use the answer key, then pause. A wrong answer is useful when you can name what happened.

4. Repair and Relaunch

Rework a few missed questions before starting the next test. The repair step is where the score begins to move.

A Four-Session Plan

Session 1	Take Test 1 and mark the topics that need attention.
Session 2	Take Test 2 and focus on showing every step clearly.
Session 3	Take Test 3 and watch for units, labels, and two-step problems.
Session 4	Take Test 4 and finish with calm, careful checking.

Best mission habit: After checking answers, write one sentence: “Next time I will pay attention to _____.”



Test Overview

What each Grade 3 math mission asks you to do

Each practice test has 30 questions. Across four tests, you will practice the kind of Grade 3 math thinking used on the Washington Smarter Balanced: reading carefully, choosing a strategy, doing accurate computation, and explaining enough work to make your answer clear.

Multiple Choice

Look for the best answer. Estimate first when you can, cross out choices that do not fit, and reread the question before you choose.

Open Response

Write the answer and show the reason. A good Grade 3 response may use a drawing, equation, table, number line, or a few clear words.

Math Ideas Inside the Four Tests

- multiplication, division, arrays, missing factors, and two-step word problems
- place value, rounding, addition, subtraction, and multiplying by tens
- unit fractions, number lines, equivalent fractions, and comparing fractions
- time, mass, liquid volume, picture graphs, bar graphs, and line plots
- area, perimeter, unit squares, rectangles, and shape categories

What strong Smarter Balanced work looks like: the answer matches the question, the units make sense, and the work is clear enough to check.

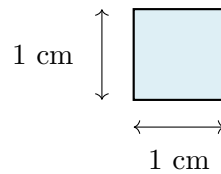


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- 1) A unit square has side length 1 cm. What is the area of this unit square?



- A. 1 centimeter
- B. 2 square centimeters
- C. 1 square centimeter
- D. 4 square centimeters
- 2) A tile floor has area 18 square feet. Which dimensions could make this area?
- A. 2 ft and 8 ft
- B. 3 ft and 6 ft
- C. 4 ft and 5 ft
- D. 4 ft and 6 ft
- 3) Jacob makes 7 groups of 10 beads. Fill in the place-value chart.

Tens	Ones
—	—

What is the total number of beads?

- A. 17
- B. 70
- C. 7
- D. 107
- 4) Noah draws a rectangle that is 6 units wide and 5 units tall. He covers it with unit squares. How many unit squares does he use? Draw or describe the rectangle if it helps.



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5) Ben has 72 marbles. He puts them into bags with 8 marbles in each bag. Which division equation can be used to find how many bags he fills?

A. $72 \div 8 = \square$

C. $72 - 8 = \square$

B. $8 \times \square = 72$

D. $72 + 8 = \square$

6) Quinn has 3 baskets with 5 apples in each. Quinn gives away 3 apples. How many apples does Quinn have left?

A. 8

C. 15

B. 12

D. 18

7) A bar graph shows candies. Each bar height represents units. The scale is 5 candies per unit. Red bar is 2 units, blue is 3 units, green is 4 units. How many candies in total?

A. 45

C. 35

B. 40

D. 50

8) Which of the following is true about a square?

 A. It is a rectangle and a rhombus C. It is a triangle B. It is a trapezoid D. It has no right angles

9) Two identical rectangles. Rectangle M has 3 parts out of 4 shaded. Rectangle N has 6 parts out of 8 shaded. Do they have the same shaded amount?

Rectangle M: $\frac{3}{4}$ 

Rectangle N: $\frac{6}{8}$ 

 A. No, M is larger. C. Yes, same amount. B. No, N is larger. D. Rectangles are different sizes.

10) Ana looks at a circle divided into 8 equal parts. One part is shaded. Ana says the shaded part is $\frac{1}{4}$. Is she correct? Explain why or why not.

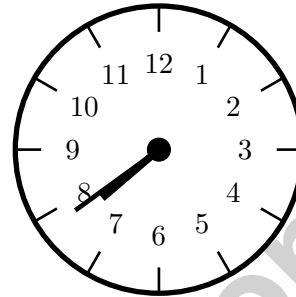
A. Yes, because $8 \div 2 = 4$

C. Yes, one part is always one-fourth

B. No, the shaded part is $\frac{1}{8}$

D. No, the shaded part is $\frac{1}{6}$

11) What time does the clock show?



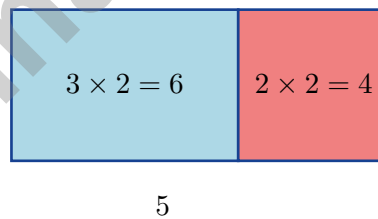
A. 6 : 39

C. 8 : 09

B. 7 : 50

D. 7 : 39

12) Look at this area model. Which equation does it show?



A. $2 \times 3 = 6$

C. $3 \times (2 + 2) = 12$

B. $5 + 2 = 7$

D. $2 \times (3 + 2) = 10$



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6) Sasha reads 9 pages of a book each day. After 5 days, how many pages has Sasha read?

A. 40 pages

C. 14 pages

B. 54 pages

D. 45 pages

7) A teacher has 96 stickers and divides them equally among 8 groups. Then each group uses 2 stickers. How many stickers does one group have left?

8) Which equation is true?

A. $3 \times 6 = 19$

C. $8 \times 5 = 42$

B. $9 \times 3 = 28$

D. $5 \times 6 = 30$

9) Here is a rectangle divided into 2 equal halves by a vertical line.



The shaded part is what fraction of the rectangle?

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

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

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

D. $\frac{2}{3}$

10) Which fraction equals 7?

A. $\frac{1}{7}$

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

B. $\frac{7}{1}$

D. $\frac{7}{2}$



1) Which multiplication fact helps solve $42 \div 7$?

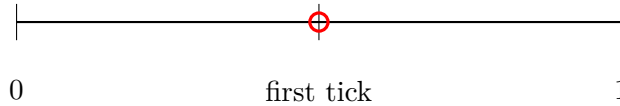
A. $6 \times 7 = 42$

C. $5 \times 7 = 35$

B. $7 \times 7 = 49$

D. $8 \times 7 = 56$

2) A number line shows 0 and 1 divided in half (into 2 equal parts). The first tick mark is at which fraction?



A. $\frac{1}{2}$ (the unit fraction)

C. $\frac{2}{2}$ (the whole)

B. $\frac{1}{3}$ (wrong denominator)

D. $\frac{1}{4}$ (too many parts)

3) Sam has fact cards for $3 \times 6 = 18$. Which division fact is related?

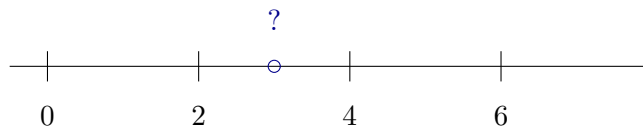
A. $18 \div 3 = 6$

C. $6 \div 3 = 2$

B. $18 \div 2 = 9$

D. $18 + 3 = 21$

4) How many odd numbers are in the pattern 4, 8, 12, 16, 20, 24, 28? Explain why.



5)

The number line above is divided into equal parts. What fraction of the way from 0 to 4 is the point marked ?

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

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

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

D. $\frac{2}{3}$



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6) Which rectangle has an area of 12 square units?

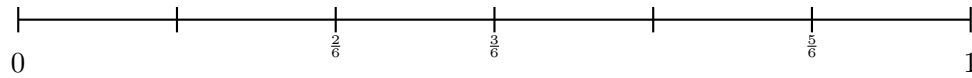
A. length 2, width 6

C. length 4, width 4

B. length 3, width 5

D. length 2, width 5

7) Which fraction is EQUAL to $\frac{1}{2}$ on a number line with 6 equal parts?



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

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

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

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

8) A 8×5 rectangle is tiled into two smaller rectangles by a horizontal line. If one rectangle is 8×3 , what is the area of the other?

A. 16

C. 40

B. 24

D. 14

9) A picture graph shows cupcakes baked for a party. Each cupcake icon is 5 cupcakes. There are 7 icons. How many cupcakes were baked?

A. 12

C. 35

B. 30

D. 40

10) Ben says $5 \times 40 = 54$ because he added $5 + 4$ instead of multiplying. Which answer is correct?

A. 9

C. 54

B. 45

D. 200



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

- Choice C is correct.** **(3.MD.C.5a)** A unit square with side length 1 cm has area $1 \text{ cm} \times 1 \text{ cm} = 1 \text{ cm}^2$.
- Choice B is correct.** **(3.MD.C.6)** $3 \times 6 = 18$ sq ft. The other choices do not equal 18.
- Choice B is correct.** **(3.NBT.A.3)** The chart shows 7 tens and 0 ones. So $7 \times 10 = 70$ beads. The tens place has 7; ones place has 0.
- The correct answer is 30 square units.** **(3.MD.C.7a)** Multiply width by height: $6 \times 5 = 30$ square units. A sketch helps verify by counting rows and columns.
- Choice A is correct.** **(3.OA.A.4)** To find the number of bags, divide the total marbles by the marbles in each bag: $72 \div 8 = 9$.
- Choice B is correct.** **(3.OA.D.8)** Step 1: Multiply: $3 \times 5 = 15$ apples. Step 2: Subtract: $15 - 3 = 12$ apples left. (Choice C is step 1 only; choice A miscalculates step 2.)
- Choice A is correct.** **(3.MD.B.3)** Red: $2 \times 5 = 10$. Blue: $3 \times 5 = 15$. Green: $4 \times 5 = 20$. Total: $10 + 15 + 20 = 45$.
- Choice A is correct.** **(3.G.A.1)** A square has 4 equal sides (making it a rhombus) and 4 right angles (making it a rectangle). So a square is both.
- Choice C is correct.** **(3.NF.A.3a)** $\frac{3}{4} = \frac{6}{8}$ because both represent three-fourths of the rectangle.
- Choice B is correct.** **(3.NF.A.1)** 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.
- Choice D is correct.** **(3.MD.A.1)** The minute hand points to 39 minutes, between 7 and 8. The hour hand is between 7 and 8, closer to 8. The time is 7:39.
- Choice D is correct.** **(3.OA.B.5)** The area model shows a rectangle split into two parts: one part is $3 \times 2 = 6$ and the other is $2 \times 2 = 4$. Using the distributive property: $2 \times (3 + 2) = 2 \times 3 + 2 \times 2 = 6 + 4 = 10$.
- Choice D is correct.** **(3.OA.B.6)** Finding the missing factor: $6 \times 8 = 48$. This is the same as asking $48 \div 8 = \square$. We think: what times 8 makes 48? The answer is 6 because $6 \times 8 = 48$.
- The correct answer is 32 square units.** **(3.MD.C.7c)** $5 + 3 = 8$, and $4 \times 8 = 32$ square units.
- Choice B is correct.** **(3.MD.C.5)** Area must be measured in square units because it describes 2D space. Square feet, square inches, square meters, and square centimeters are all correct area units.
- Choices A, C, and D are correct.** **(3.OA.A.1)** $4 \times 7 = 28$. Diego's $7 + 7 + 7 + 7$ equals 28, Sam's $4 + 4 + 4 + 4 + 4 + 4 + 4$ equals 28, and Pia's four rows of seven dots equals 28.
- Choice B is correct.** **(3.NF.A.2b)** Point K at 1.5 is the third half-mark: $\frac{3}{2} = 1.5$.
- Choice C is correct.** **(3.MD.C.7b)** Area = length \times width = $9 \times 5 = 45$ square inches.
- Choice A is correct.** **(3.NF.A.2a)** The first and only tick mark on a line divided into 2 parts is at $\frac{1}{2}$.
- Choice A is correct.** **(3.NBT.A.1)** The ones digit is 4. Since $4 < 5$, round down: 734 rounds to 730.
- Choice B is correct.** **(3.MD.C.5b)** The teacher made an error. She added the side lengths ($8 + 6 = 14$) instead of counting all the unit squares inside. The correct area is 8 columns times 6 rows = $6 + 6 + 6 + 6 + 6 + 6 + 6 = 48$ square units. Adding dimensions finds perimeter, not area.
- Choice D is correct.** **(3.OA.A.3)** Area of a square = side \times side = $5 \times 5 = 25 \text{ cm}^2$.
- Choice D is correct.** **(3.NBT.A.2)** Ones: $7 + 5 = 12$ (write 2, carry 1). Tens: $6 + 1 + 1 = 8$. Hundreds: $3 + 2 = 5$. Answer: 582.
- The correct answer is 18 sq cm.** **(3.MD.C.7)** Area = $9 \times 2 = 18$ square centimeters. You can multiply the side lengths or imagine 9 rows of 2 unit squares.
- Choice C is correct.** **(3.NF.A.2)** $\frac{1}{2}$ divides the distance into two equal parts, so it is exactly in the middle.
- Choice A is correct.** **(3.MD.C.7d)** Part A: $8 \times 4 = 32$ sq units. Part B: $6 \times 2 = 12$ sq units. Total: $32 + 12 = 44$ sq units.
- Choice D is correct.** **(3.OA.D.9)** Skip counting by 2 always gives even numbers: 2, 4, 6, 8, 10, ...
- Choice D is correct.** **(3.MD.A.2)** Multiply: $3 \times 400 = 1200$ mL.
- Choice C is correct.** **(3.MD.B.4)** Add all X's: $2 + 3 + 2 + 1 = 8$ pencils total.



Hi, Brave Explorer!

◇ What a trip! You explored 4 full tests. You went to many math places: multiplication, fractions, area, time, and more. ◇

★ **Smart explorers know:** every trip teaches something. Through 4 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

Testinar.com

Build Skills. Achieve More.

This book gives **Grade 3** students the focused practice they need to master math concepts with confidence.

What's Inside?



Standards-Aligned Practice

Questions designed to match Grade 3 math standards.



Variety of Question Types

Build skills with multiple formats and challenges.



Real-World Applications

Engaging problems that connect math to life.



Step-by-Step Progress

Track improvement and see growth over time.



Build Skills & Boost Confidence

Strengthen understanding and perform better.

COVERS ALL ESSENTIAL TOPICS

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- ✓ Fractions & Decimals
- ✓ Algebraic Thinking
- ✓ Geometry
- ✓ Measurement & Data
- ✓ Number Patterns
- ✓ Word Problems
- ✓ Ratio & Proportion
- ✓ Perimeter, Area & Volume
- ✓ Graphing & Data Analysis
- ✓ And More!



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