

# 8

# Washington

## Smarter Balanced

# GRADE 4

# PRACTICE TESTS



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

**COMPREHENSIVE  
TEST PREP**

Includes Solutions

# 8 Washington Smarter Balanced Grade 4 Math Practice Tests

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



Eight complete 30-question Grade 4 practice rounds for Smarter Balanced, built around evergreen trails, rainy-day focus, and sharp data reading, with answer keys and clear explanations for every item.

**Jay Daie and Reza Nazari**



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# Welcome, Washington Math Explorer!

Eight steady rounds on the Evergreen State math route

This book gives you eight full Grade 4 practice tests for Smarter Balanced. Each round uses evergreen trails, rainy-day focus, and sharp data reading to keep practice memorable while you read carefully, choose a strategy, show work, and check the answer.

## Washington 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 Washington Smarter Balanced 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 Evergreen 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?

Eight tests, 240 questions, and a full Smarter Balanced 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 6–8	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.

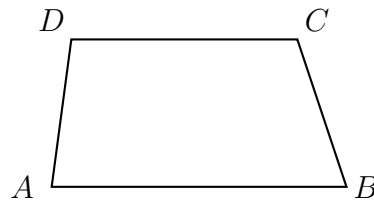


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For more practice  
& answers

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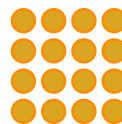
- 1) This trapezoid has different leg lengths. How many lines of symmetry does it have?



- A. 0 lines
- B. 1 line
- C. 2 lines
- D. 4 lines
- 2) The value of the digit 9 in the thousands place is how many times the value of the digit 9 in the hundreds place?
- A. 1,000
- B. 100
- C. 9 times
- D. 10
- 3) Look at the two groups. How many times as many objects are in Group X as in Group Y?

Group Y:

Group X:



- A. 2 times
- B. 6 times
- C. 8 times
- D. 4 times



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4) In 45,328, how many thousands are there?

5) What is  $\frac{4}{10} + \frac{5}{10}$ ?

- A.  $\frac{9}{20}$
- B.  $\frac{9}{10}$

- C.  $\frac{1}{10}$
- D.  $1\frac{0}{10}$

6)

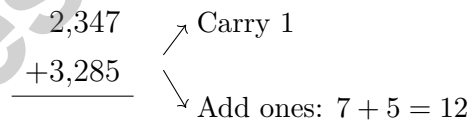


Toy A costs \$3. Toy B costs 3 times as much as Toy A. How much does Toy B cost?

- A. \$6
- B. \$15

- C. \$12
- D. \$9

7)



What is the sum  $2,347 + 3,285$ ?

- A. 5,632
- B. 5,722

- C. 5,542
- D. 5,742

8) Write  $\frac{3}{4}$  as a multiplication of a whole number and a unit fraction.

A.  $4 \times \frac{1}{3}$

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

C.  $1 \times \frac{3}{4}$

D.  $7 \times \frac{1}{4}$

9) What is  $2,520 \div 7$ ?

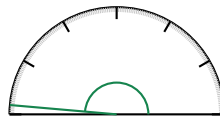
A. 360

B. 370

C. 350

D. 340

10)



What is the measure of this angle very close to a straight line?

A. 180 degrees

B. 175 degrees

C. 5 degrees

D. 170 degrees

11) What is  $38 \times 25$ ?

A. 800

B. 1000

C. 850

D. 950

12) A rectangle has a length of 11 feet and a width of 7 feet. What is its perimeter?

A. 36 ft

B. 18 ft

C. 54 ft

D. 77 ft



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1) What is  $\frac{9}{10} + \frac{1}{10}$ ?



$\frac{9}{10}$  (light red) +  $\frac{1}{10}$  (dark red)

- A.  $\frac{10}{10}$  or 1
  C.  $\frac{8}{10}$
- B.  $\frac{10}{20}$ 
 D.  $\frac{1}{10}$
- 2) A water bottle holds  $\frac{3}{5}$  liter. How many liters do 2 water bottles hold together?
- A.  $\frac{3}{10}$  liter
  C.  $\frac{5}{6}$  liter
- B.  $\frac{6}{5}$  liters
  D. 1 liter
- 3) Add:  $7,285 + 1,514 = ?$
- A. 8,799
  C. 8,699
- B. 8,889
  D. 9,799
- 4) What is 39,845 rounded to the nearest ten thousand?
- A. 30,000
  C. 40,000
- B. 39,000
  D. 50,000
- 5) How many lines of symmetry does a regular triangle have?
- A. 0
  C. 2
- B. 1
  D. 3



6) If an angle turns through 45 one-degree angles, what is the measure of the angle?

A.  $4.5^\circ$

C.  $90^\circ$

B.  $45^\circ$

D.  $450^\circ$

7) On a line plot showing string lengths in fourths, there are 2 X marks at  $\frac{1}{4}$  inch, 3 X marks at  $\frac{2}{4}$  inch, and 1 X mark at  $\frac{3}{4}$  inch. What is the total number of strings?

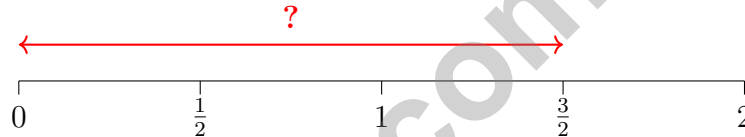
A. 4

C. 6

B. 5

D. 7

8) A number line shows hops of  $\frac{1}{2}$ . How many hops are needed to reach  $\frac{3}{2}$ ?



A. 1 hop

C. 3 hops

B. 2 hops

D. 4 hops

9) In a 4-digit number, if the hundreds digit is 5, what is its value?

A. 5

C. 500

B. 50

D. 5,000

10) A watermelon weighs 6 kilograms. How many grams does it weigh?

A. 60

C. 6,000

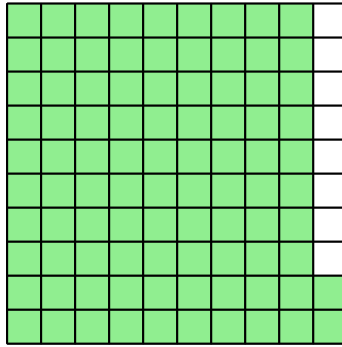
B. 600

D. 60,000



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1) How many hundredths are shaded in this grid?



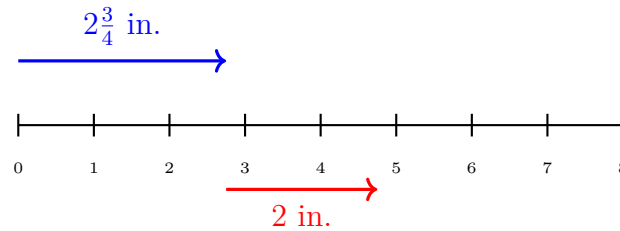
- A. 8 hundredths or 0.08                       C. 92 hundredths or 0.92  
 B. 80 hundredths or 0.80                       D. 20 hundredths or 0.20

2) Which shows two decompositions where all parts are equal in each decomposition?

- A.  $\frac{2}{8} + \frac{2}{8} + \frac{2}{8}$  and  $\frac{3}{8} + \frac{3}{8}$                        C.  $\frac{5}{8} + \frac{1}{8}$  and  $\frac{4}{8} + \frac{3}{8}$   
 B.  $\frac{1}{8} + \frac{5}{8}$  and  $\frac{2}{8} + \frac{4}{8}$                        D.  $\frac{4}{8} + \frac{2}{8}$  and  $\frac{5}{8} + \frac{1}{8}$

3) Ming collected 8,643 stickers. Round this to the nearest hundred.



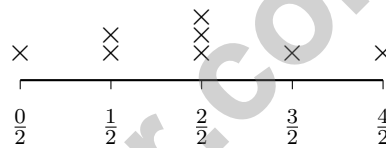


4)

A board has two sections. The blue section is  $2\frac{3}{4}$  inches and the red section is 2 inches. What is the total length?

- A.  $4\frac{1}{4}$  inches                       C.  $4\frac{3}{4}$  inches  
 B.  $4\frac{2}{4}$  inches                         D. 5 inches

5) Look at the line plot with measurements in halves:



How many data points are shown on this line plot?

- A. 4     C. 8  
 B. 6     D. 10

6) Clock hands point at 3 and at 9. What is the angle between them?

- A.  $60^\circ$                                          C.  $120^\circ$   
 B.  $90^\circ$                                          D.  $180^\circ$



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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 A is correct.** (4.G.A.3) This trapezoid has two slanted sides of different lengths (legs), making it lopsided. No fold line can create two matching halves. The answer is **0** lines 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  $1,000 \div 100 = 10$ .  $\checkmark$
- Choice D is correct.** (4.OA.A.1) Divide the larger group by the smaller:  $16 \div 4 = 4$ . So Group X has **4** times as many objects as Group Y.
- The correct answer is 45.** (4.NBT.A.2) The number 45,328 breaks into 45 thousands and 328 ones, so there are 45 thousands  $\checkmark$
- Choice B is correct.** (4.NF.B.3) Same denominator, same rule: add the numerators ( $4 + 5 = 9$ ), keep the denominator. Answer:  $\frac{9}{10}$ .
- Choice D is correct.** (4.OA.A.2) Toy B's group has 3 rows of \$3—"3 times as much." Multiply:  $3 \times \$3 = \$9$ .
- 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**.
- Choice B is correct.** (4.NF.B.4) The numerator 3 tells us how many unit fractions we have, and the denominator 4 tells us the unit fraction is  $\frac{1}{4}$ . So  $\frac{3}{4}$  equals  $3 \times \frac{1}{4}$ .
- Choice A is correct.** (4.NBT.B.6) Use long division:  $2 \div 7 = 0$  r2, bring down the 5 to get  $25 \div 7 = 3$  r4, bring down the 2 to get  $42 \div 7 = 6$ , bring down the 0 to get  $0 \div 7 = 0$ . The answer is **360**.
- Choice B is correct.** (4.MD.C.6) The ray points to the  $175^\circ$  mark, which is just  $5^\circ$  short of a straight angle ( $180^\circ$ ). This is a very wide obtuse angle. The answer is **175** degrees.
- Choice D is correct.** (4.NBT.B.5) Distribute:  $38 \times (20 + 5) = 760 + 190 = 950$ .
- Choice A is correct.** (4.MD.A.3)  $P = 2(11) + 2(7) = 22 + 14 = 36$  ft.
- The correct answer is  $1\frac{1}{7}$ .** (4.NF.B.3) Add the fractions:  $\frac{5}{7} + \frac{3}{7} = \frac{8}{7}$ . Convert to a mixed number:  $1\frac{1}{7}$ .
- Choice C is correct.** (4.NF.C.5) Order by time:  $0.44 < 0.47 < 0.74$ . Smaller time means faster! Casey's 0.44 seconds is the fastest.
- Choice A is correct.** (4.NF.B.3) The frog makes three equal-sized jumps to  $\frac{9}{10}$ . Each jump:  $\frac{3}{10}$ , because  $3 + 3 + 3 = 9$   $\checkmark$ .
- The correct answer is A, C.** (4.MD.C.5) Statement A is correct: **72** one-degree angles measure  $72^\circ$ . Statement C is correct: a full circle measures  $360^\circ$  with **360** one-degree angles. Statement B is wrong (straight angle is  $180^\circ$ ). Statement D is wrong (30 one-degree angles is  $30^\circ$ , not  $60^\circ$ ). Statement E is wrong (right angle is  $90^\circ$ , not  $45^\circ$ ).
- Choice A is correct.** (4.G.A.1) When a segment is called  $MN$ , that means it starts at  $M$  and ends at  $N$  — those are the two endpoints. Point  $P$  is somewhere else entirely.
- Choice B is correct.** (4.MD.B.4) Count X marks at values  $\leq 1$  inch. At  $\frac{1}{2}$  inch: 1 mark. At 1 inch: 2 marks. Total:  $1 + 2 = 3$  marks.
- Choice B is correct.** (4.MD.A.1) 1 kilometer = 1,000 meters. So  $4 \text{ km} = 4 \times 1,000 = 4,000$  m.
- Choice D is correct.** (4.OA.B.4) Find every pair that multiplies to 30:  $1 \times 30$ ,  $2 \times 15$ ,  $3 \times 10$ ,  $5 \times 6$ . That's **4** factor pairs. (Notice we skip 4—since  $30 \div 4$  has a remainder, 4 isn't a factor.)
- Choice D is correct.** (4.OA.B.4) Start at 5 and apply "add 7" twice:  $5 \rightarrow 12 \rightarrow 19$ . The 3rd term is **19**.
- The correct answer is 75.** (4.MD.A.2) Each toy costs \$15. Maya buys 5 toys. Multiply:  $15 \times 5 = 75$  dollars. She spends **75** dollars.
- Choice B is correct.** (4.MD.C.7) The compass turns twice in the same direction. Add them:  $78^\circ + 42^\circ = 120^\circ$ .
- Choice D is correct.** (4.OA.A.3) Two steps! Step 1: find the total cookies.  $6 \text{ batches} \times 25 = 150$  cookies. Step 2: pack into boxes of 8:  $150 \div 8 = 18$  remainder 6. The remainder isn't enough to fill another box, so they fill **18** complete boxes.
- Choice D is correct.** (4.NF.B.3) Add the wholes:  $4 + 2 = 6$ . Add the fractions:  $\frac{2}{4} + \frac{1}{4} = \frac{3}{4}$ . The total is  **$6\frac{3}{4}$**  batches.
- Choice C is correct.** (4.MD.C.5) The blue-labeled region is the interior, the space between the two rays.
- Choice D is correct.** (4.NBT.A.3) We're rounding to the nearest hundred. Look at the tens digit: 4. Since  $4 < 5$ , we round DOWN. The hundreds digit stays at 5, giving us **87,500**.  $\checkmark$



---

Cheer Squad Final Pep Talk

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## Hi, Math Star!

◇ 8 practice tests! That's a LOT of work, and you did it ALL. I am cheering so loud right now. You earned every clap and every cheer! ◇

★ **Cheerleader truth:** confidence is built by showing up. You showed up 8 times. That's real confidence. It is not pretend! ★

### Cheer Roll Call

- **Effort:** 100% YOU SHOWED UP!
- **Heart:** BIG!
- **Skills:** STRONG and growing!
- **Spirit:** BRIGHT!

**Cheer tip:** on test day, be your own cheerleader. Whisper to yourself: "I can do this. I practiced." Tiny cheers make a big difference!

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 Cheerleader

# 8 PRACTICE TESTS.

## PREPARE. PRACTICE. SUCCEED!

This **Grade 4 Math Practice Tests** book is designed to help students build strong math skills, master essential concepts, and boost confidence for success in the classroom and beyond.

Featuring 8 full-length practice tests, a variety of question types, and detailed answer explanations, this book provides the practice and support students need to improve accuracy, strengthen problem-solving abilities, 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 IN MATH.  
SUCCESS FOR LIFE.

### WHAT STUDENTS WILL GAIN



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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.



#### Academic Success

Strengthen skills needed for future learning.

### TOPICS COVERED

- ✓ Place Value & Number Sense
- ✓ Multi-Digit Addition & Subtraction
- ✓ Multiplication & Division
- ✓ Fractions & Equivalent Fractions
- ✓ Geometry & Shapes
- ✓ Measurement & Data
- ✓ Perimeter & Area
- ✓ Word Problems
- ✓ Patterns & Algebraic Thinking
- ✓ Graphs & Data Interpretation
- ✓ Mathematical Reasoning
- ✓ And More!



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Encourages Independent Learning



Prepares Students for Future Success