

# 4

# Washington



## Smarter Balanced

### GRADE 4

# MATH

## PRACTICE TESTS



5 FULL-LENGTH  
PRACTICE TESTS



Standards-Aligned Review with  
Mixed Practice and Answer Key



STANDARDS-ALIGNED  
REVIEW



MIXED PRACTICE  
QUESTIONS



ANSWER KEY  
INCLUDED



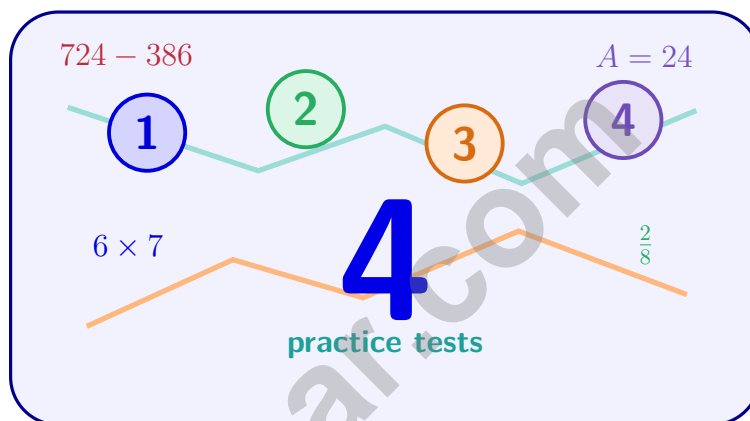
$$4 \times 7 = 28$$

$$36 \div 9 = 4$$



# 4 Washington Smarter Balanced Grade 4 Math Practice Tests

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



Four focused 30-question missions for Grade 4 math: number facts, fractions, measurement, data, area, shapes, answer keys, and clear explanations for every item.

**Jay Daie and Reza Nazari**



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# Welcome, Washington Math Explorer!

Four steady rounds on the Evergreen State math route

This book gives you four 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?

Four tests, 120 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 2–4	Skill-building rounds with fractions, measurement, area, data, and two-step problems.
Tests 2–4	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) What is  $5 \times \frac{2}{10}$ ?

A.  $\frac{7}{10}$

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

C.  $\frac{10}{10}$  or 1

D.  $\frac{2}{50}$

2) Which list orders the fractions correctly from least to greatest?

A.  $\frac{3}{12}, \frac{5}{12}, \frac{7}{12}$

B.  $\frac{7}{12}, \frac{5}{12}, \frac{3}{12}$

C.  $\frac{3}{12}, \frac{7}{12}, \frac{5}{12}$

D.  $\frac{5}{12}, \frac{3}{12}, \frac{7}{12}$

3) A baker needs  $\frac{7}{12}$  cup of sugar and has  $\frac{3}{12}$ . How much more is needed?

4) Which shows the correct comparison?

A.  $0.8 > 0.81$

B.  $0.8 < 0.81$

C.  $0.81 < 0.8$

D.  $0.81 = 0.8$

5) A class has 32 students. They divide into 4 equal teams. Each team earns 5 bonus points. How many bonus points do the teams earn in all?

A. 64

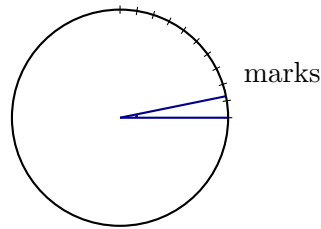
B. 40

C. 45

D. 20



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6)

This angle reaches the first 9° mark. How many one-degree angles make this angle?

- A. 9 one-degree angles                       C. 18 one-degree angles  
 B. 4.5°     D. 1°

7) A bicycle wheel spins  $\frac{5}{6}$  of a full rotation. How many degrees is this?

- A. 240°     C. 300°  
 B. 270°     D. 330°

8) By what number do you multiply both the numerator and denominator of  $\frac{1}{6}$  to get  $\frac{2}{12}$ ?

- A. 1     C. 3  
 B. 6     D. 2

9) Is 30 prime or composite?

- A. Prime     C. Neither  
 B. It depends                                       D. Composite

10) What number is equal to  $30,000 + 6,000 + 500 + 20 + 8$ ?

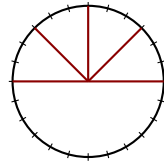
- A. 36,285     C. 36,258  
 B. 36,582     D. 36,528



- 11) What is  $3 \times 807$ ?
- A. 2321                       C. 2521  
 B. 2121                       D. 2421
- 12) If a figure has exactly 8 lines of symmetry, which of the following is it most likely?
- A. A square                       C. A regular octagon  
 B. A regular pentagon                       D. A regular hexagon
- 13) Add:  $\frac{2}{10} + \frac{30}{100}$ .
- A.  $\frac{32}{100}$                        C.  $\frac{32}{110}$   
 B.  $\frac{50}{100}$                        D.  $\frac{2}{30}$
- 14) What is  $3\frac{5}{12} + 2\frac{4}{12}$ ?
- A.  $5\frac{8}{12}$                        C.  $5\frac{9}{12}$   
 B.  $6\frac{1}{12}$                        D.  $6\frac{2}{12}$
- 15) A movie theater sold 4,032 tickets over 6 days. If the same number of tickets was sold each day, how many tickets were sold per day?
- A. 672                       C. 662  
 B. 682                       D. 652
- 16) Look at the line plot with eighths showing:  $\frac{1}{8}$  (1 X mark),  $\frac{2}{8}$  (2 X marks),  $\frac{4}{8}$  (3 X marks),  $\frac{5}{8}$  (1 X mark). Which two statements are true?
- A. The total number of X marks is 7.  
 B. The range is  $\frac{3}{8}$  inches.  
 C. The range is  $\frac{5}{8}$  inches.  
 D. The mode is  $\frac{4}{8}$ .  
 E. There are 6 X marks at  $\frac{4}{8}$ .



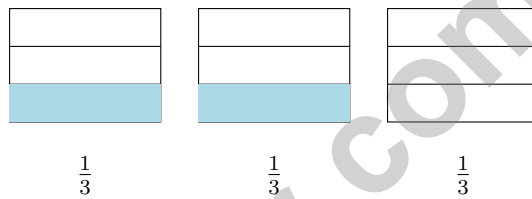
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1)

A full circle is shown with several rays drawn inside. How many degrees are in the full circle?

- A.  $90^\circ$ 
 C.  $360^\circ$   
 B.  $180^\circ$ 
 D.  $720^\circ$



two cans have paint

2)

Three paint cans are shown. Two are  $\frac{1}{3}$  filled each (blue). One is empty. How much total paint is there?

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

3) A straight angle measures:

- A. Less than  $90^\circ$ 
 C. Between  $90^\circ$  and  $180^\circ$   
 B. Exactly  $90^\circ$ 
 D. Exactly  $180^\circ$



4) Which fraction is closest to 1?

A.  $\frac{9}{10}$

B.  $\frac{7}{8}$

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

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

5) A number line shows unit-fraction jumps. If you start at 0 and make 9 jumps of  $\frac{1}{10}$ , where do you land?

A.  $\frac{1}{10}$

B.  $\frac{9}{10}$

C.  $\frac{1}{90}$

D.  $\frac{10}{9}$

6) A toy donation has 35 toy cars and 28 toy trucks. They lose 6 items. The remaining items are donated to 3 shelters equally. How many items does each shelter receive?

 A. 18 items B. 21 items C. 20 items D. 19 items

7) A quarter turn around a circle measures how many degrees?

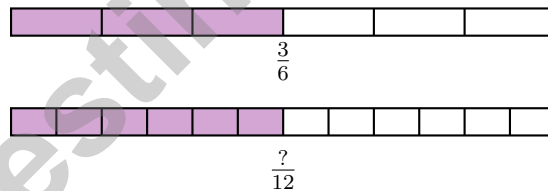
 A.  $45^\circ$  B.  $90^\circ$  C.  $180^\circ$  D.  $270^\circ$ 

8) A clock shows two times. From 12 o'clock to the minute hand's position is  $54^\circ$ . From that position to 6 o'clock is another  $126^\circ$ . What is the angle from 12 o'clock to 6 o'clock?

 A.  $72^\circ$  B.  $180^\circ$  C.  $126^\circ$  D.  $90^\circ$ 

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- 1) What number is  $100,000 + 20,000 + 3,000 + 0 + 50 + 0$ ?
- A. 123,500                       C. 123,050  
 B. 102,350                       D. 120,350
- 2) A bakery made 40 cookies yesterday. Today they made 2 times as many cookies. How many cookies did they make today?
- A. 42                                   C. 100  
 B. 60                                   D. 80
- 3) A juice bottle holds 3 liters. If Maya drinks 750 milliliters, how many milliliters are left?
- A. 750 mL                           C. 2,250 mL  
 B. 1,500 mL                       D. 3,000 mL
- 4) Look at the two fraction bars. Both are the same length.



What number replaces the question mark?

- A. 4                                       C. 6  
 B. 5                                       D. 8



5) Which is true?

A.  $\frac{8}{10} > \frac{90}{100}$

B.  $\frac{8}{10} = \frac{80}{100}$

C.  $\frac{8}{10} < \frac{50}{100}$

D.  $\frac{8}{10} = \frac{8}{100}$

6) How many  $\frac{1}{3}$ 's equal  $\frac{2}{3}$ ?

A. 1

B. 2

C. 3

D. 6

7) Compare the volumes. Which is smaller: 3 liters or 2,500 milliliters?

A. 3 liters

B. 2,500 milliliters

C. They are the same size

D. Cannot be determined

8) A baker has  $3\frac{2}{5}$  pounds of almonds. She uses  $2\frac{1}{5}$  pounds in a recipe. How many pounds of almonds are left?

9) What is the correct way to order 0.91, 0.19, 0.99, and 0.11 from greatest to least?

A. 0.99, 0.91, 0.19, 0.11

B. 0.91, 0.99, 0.11, 0.19

C. 0.11, 0.19, 0.91, 0.99

D. 0.99, 0.91, 0.11, 0.19



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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 C is correct.** (4.NF.B.4) We take 5 copies of  $\frac{2}{10}$ . Multiply:  $5 \times \frac{2}{10} = \frac{5 \times 2}{10} = \frac{10}{10} = 1$ . The answer is 1.
- Choice A is correct.** (4.NF.A.1) All fractions have denominator 12, so compare numerators:  $3 < 5 < 7$ . The order from least to greatest is  $\frac{3}{12}, \frac{5}{12}, \frac{7}{12}$ .
- The correct answer is  $\frac{1}{3}$ .** (4.NF.B.3) The baker needs  $\frac{7}{12}$  cup and has  $\frac{3}{12}$ . What's needed:  $7 - 3 = 4$  twelfths more, or  $\frac{4}{12}$  (which simplifies to  $\frac{1}{3}$ ).
- Choice B is correct.** (4.NF.C.5) Rewrite 0.8 as 0.80 to see it clearly. Comparing:  $80 < 81$  hundredths, so  $0.8 < 0.81$ .
- Choice D is correct.** (4.OA.A.3) Watch out for extra information! The total of 32 students is not needed for this question—we only need the number of teams. There are 4 teams, and each team earns 5 points, so  $4 \times 5 = 20$  bonus points in all. *Tip:* on tests, always ask “does this number help me?” before using it.
- Choice A is correct.** (4.MD.C.5) The small angle reaches the first degree mark at  $9^\circ$ , containing 9 one-degree angles.
- Choice C is correct.** (4.MD.C.5) Five-sixths of the circle is  $\frac{5}{6} \times 360^\circ = 300^\circ$ .
- Choice D is correct.** (4.NF.A.1) The denominator goes from 6 to 12—that's multiply by 2. Multiply the numerator by 2 also:  $\frac{1}{6} = \frac{1 \times 2}{6 \times 2} = \frac{2}{12}$ .
- Choice D is correct.** (4.OA.B.4) Hunt for factors beyond 1 and itself. 30 has lots of pairs:  $2 \times 15, 3 \times 10, 5 \times 6$ . With more than two factors, 30 is **composite**.
- Choice D is correct.** (4.NBT.A.2) Step 1:  $30,000 + 6,000 = 36,000$ . Step 2:  $36,000 + 500 + 20 + 8 = 36,528$  ✓
- Choice D is correct.** (4.NBT.B.5) Decompose:  $3 \times (800 + 7) = 2400 + 21 = 2421$ .
- Choice C is correct.** (4.G.A.3) A regular octagon (8 equal sides) balances beautifully in eight ways. Four lines pass through opposite corners, and four pass through the middle of opposite sides. The answer is A regular octagon.
- Choice B is correct.** (4.NF.C.5) First, convert  $\frac{2}{10}$  to hundredths:  $\frac{2}{10} = \frac{20}{100}$ . Now add the fractions:  $\frac{20}{100} + \frac{30}{100} = \frac{50}{100}$ .
- Choice C is correct.** (4.NF.B.3) Add the wholes:  $3 + 2 = 5$ . Add the fractions:  $\frac{5}{12} + \frac{4}{12} = \frac{9}{12}$ . The sum is  $5\frac{9}{12}$ .
- Choice A is correct.** (4.NBT.B.6) Divide:  $40 \div 6 = 6$  r4, bring down the 3 to get  $43 \div 6 = 7$  r1, bring down the 2 to get  $12 \div 6 = 2$ . Each day they sold **672** tickets.
- The correct answer is A, D.** (4.MD.B.4) Statement A is true: the total X marks is  $1 + 2 + 3 + 1 = 7$ . Statement D is true: the mode is  $\frac{4}{8}$  with 3 X marks (the most). The range is  $\frac{5}{8} - \frac{1}{8} = \frac{4}{8}$ , so B and C are false. There are only 3 X marks at  $\frac{4}{8}$ , not 6, so E is false.
- The correct answer is  $\frac{25}{100}$ .** (4.NF.C.5) One dollar contains 100 cents. So 25 cents is  $\frac{25}{100}$  of a dollar.
- The correct answer is 30.** (4.G.A.1) Find the difference:  $120 - 90 = 30$ .
- Choice A is correct.** (4.NF.B.4) Picture A shows 5 equal parts with 2 shaded. This represents 2 out of 5 parts, or  $2 \times \frac{1}{5}$ .
- Choice B is correct.** (4.MD.C.5) An angle always has exactly **2** rays that start at a common endpoint.
- Choice A is correct.** (4.MD.A.2) Diego's pencil is 24 cm and Ava's is 19 cm. Find the difference by subtracting:  $24 - 19 = 5$  cm. The difference is **5** centimeters.
- Choice A is correct.** (4.G.A.2) A scalene triangle has all three sides of different lengths, with no two sides equal to each other. The absence of tick marks on the sides confirms no sides are equal. The answer is **A**.
- Choice D is correct.** (4.OA.A.1) We know the larger amount is 5 oak trees, and that's 5 times the maple trees. To find the smaller amount, divide:  $5 \div 5 = 1$  maple tree.
- Choice C is correct.** (4.OA.B.4) Build a pyramid: Figure 1 = 1, Figure 2 =  $1 + 2 = 3$ , Figure 3 =  $1 + 2 + 3 = 6$ , Figure 5 =  $1 + 2 + 3 + 4 + 5 = 15$  circles.
- Choice C is correct.** (4.MD.C.7) When pie slices are combined, their angles add up:  $40^\circ + 60^\circ = 100^\circ$ .
- Choice A is correct.** (4.NF.B.3) Sam colored 5 pieces out of 8 equal parts, so the fraction is  $\frac{5}{8}$ . This is the sum of five unit fractions:  $\frac{5}{8} = \underbrace{\frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8}}_{5 \text{ copies}}$ .



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### A Quiet Word From Your Mentor

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#### Hi, Thoughtful Student,

◇ I want to take a moment to tell you something true: you did excellent work. 4 practice tests is a real promise that you kept to yourself. That matters. ◇

★ **Mentors notice:** growth is quiet. It doesn't shout. But it shows up in how you handle a problem today vs how you did weeks ago. That growth is your real prize. ★

#### What I See in You

- **Hard Work:** You don't quit when problems are tough.
- **Curiosity:** You wonder why and how.
- **Kindness:** You are patient with yourself.
- **Brave Heart:** You try things that scare you.

**Mentor's note:** on test day, treat yourself like you would a friend. Be kind. Be patient. Be encouraging. The skills are inside you!

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 Mentor

# PRACTICE TODAY, SUCCEED TOMORROW!

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

With 4 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.



### Track Progress

Measure growth across multiple practice tests.



### 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
- ✓ Geometry & Measurement
- ✓ Data, Graphs & Line Plots
- ✓ Perimeter & Area
- ✓ Patterns & Algebraic Thinking
- ✓ Word Problems
- ✓ And More!



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