

$$\begin{array}{r} 32 \\ \times 6 \\ \hline 192 \end{array}$$

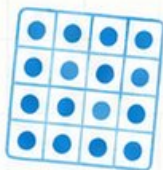
10

$$7 \times 8 = 56$$



$$\frac{3}{4}$$

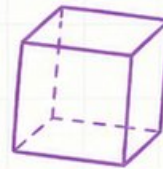
Washington



Smarter Balanced



GRADE 4



MATH

PRACTICE TESTS

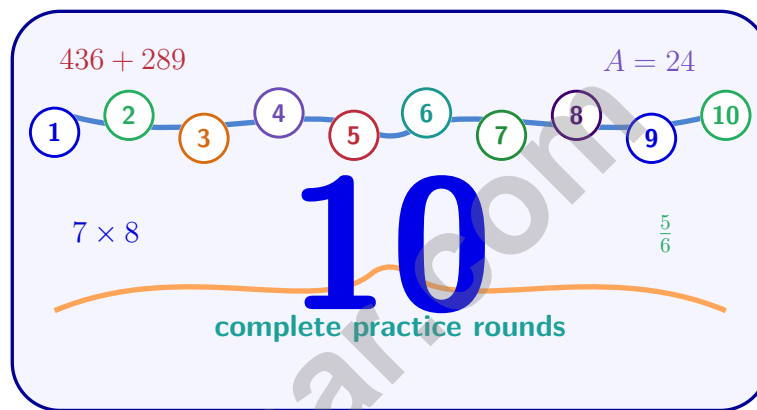


Standards-Aligned Review
with Mixed Practice
and **Answer Key**



10 Washington Smarter Balanced Grade 4 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Ten 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!

Ten steady rounds on the Evergreen State math route

This book gives you ten 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?

Ten tests, 300 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 7–9	Stamina rounds for mixed review, neat work, and flexible strategies.
Test 10	Final round to show growth across the whole Washington 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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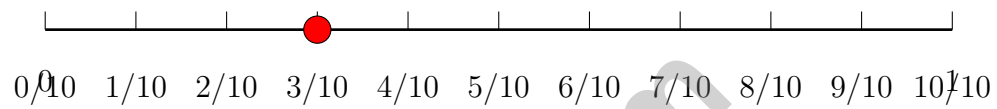
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1) At the farmers market, Noah's apple weighs 0.22 kg and Lin's apple weighs 0.27 kg. Whose apple is heavier?

- A. Noah's apple (0.22 kg) D. Cannot tell without more information
 B. Lin's apple (0.27 kg)
 C. Both apples weigh the same

2) Look at the number line below.



What fraction is marked on the number line?

- A. $\frac{3}{100}$ C. $\frac{3}{10}$
 B. $\frac{13}{100}$ D. $\frac{10}{3}$

3) Match the word form to the place-value chart. "Sixty-five thousand, two hundred nine":

Ten-Thousands	Thousands	Hundreds	Tens	Ones
6	5	2	0	9

Which numeral matches?

- A. 65,029 C. 65,290
 B. 65,902 D. 65,209



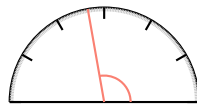
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4) What is the sum: $\frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8}$?

- A. $\frac{5}{8}$
 C. $\frac{1}{8}$
 B. $\frac{5}{40}$
 D. $\frac{1}{5}$

5) A roll of tape has $\frac{1}{8}$ meter of tape. How much tape is on 6 rolls?

- A. $\frac{1}{48}$ meter
 C. $\frac{6}{48}$ meter
 B. $\frac{6}{8}$ meters (or $\frac{3}{4}$ meters)
 D. 6 meters



6)

Ming measures an angle and the measurement is just past 90 degrees. Which classification is correct?

- A. Obtuse angle
 C. Acute angle
 B. Right angle
 D. Straight angle

7) Round 3,264 to the nearest hundred.

- A. 3,200
 C. 3,260
 B. 3,000
 D. 3,300

8) Which pair of line segments is perpendicular?



- A. Diagram A
 C. Diagram C
 B. Diagram B
 D. Diagram D



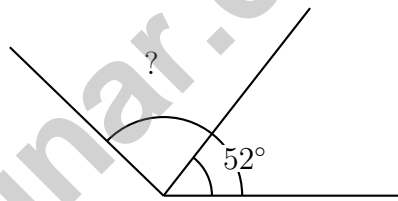
1) What is the main characteristic of a line in geometry?

- A. It has exactly two endpoints C. It is always horizontal
 B. It continues forever in both directions D. It is shorter than a line segment

2) Ava splits a granola bar into 6 equal pieces. She gives away 4 pieces. Write the fraction given away as a sum of unit fractions.

- A. $\frac{4}{4}$ C. $\frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6}$
 B. $\frac{4}{6}$ D. $\frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4}$

3) A ray divides a 136° angle into two parts. The smaller part measures 52° . What is the measure of the larger part?



- A. 84° C. 188°
 B. 52° D. 68°

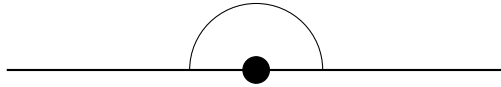
4) A rectangle has an area of 45 square centimeters. The length is 9 centimeters. What is the width?

- A. 4 cm C. 7 cm
 B. 6 cm D. 5 cm



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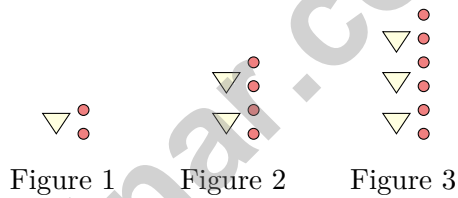
5)



The angle shown above is:

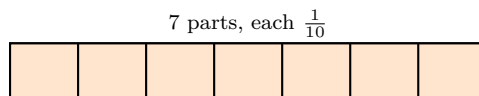
- A. an acute angle
 - B. a right angle
 - C. an obtuse angle
 - D. a straight angle
- 6) Carter runs $\frac{3}{8}$ mile each morning. If he runs for 3 mornings, how far does he run in total?
- A. $\frac{3}{24}$ miles
 - B. $\frac{9}{8}$ miles (or $1\frac{1}{8}$ miles)
 - C. $\frac{6}{8}$ miles (or $\frac{3}{4}$ miles)
 - D. $\frac{1}{8}$ mile

7) A shape pattern uses triangles and dots arranged like this:



If the pattern continues, how many dots are in Figure 5?

- A. 8
 - B. 14
 - C. 12
 - D. 10
- 8) In a fraction bar, 7 equal parts are shaded. If each part is $\frac{1}{10}$, what fraction is shaded?



- A. $\frac{1}{10}$
- B. $\frac{3}{10}$
- C. $\frac{7}{10}$
- D. $\frac{10}{7}$



1) Round 6,005 to the nearest ten.

A. 6,010

C. 6,100

B. 6,000

D. 6,005

2) Isabella has 11 colored pencils. Her art teacher has 4 times as many colored pencils. How many colored pencils does her teacher have?

A. 15

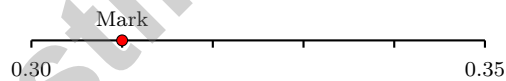
C. 40

B. 30

D. 44

3) How many degrees less than 90° is 45° ?

4) Number line with decimals between two tenths marked.



What decimal is marked?

A. 0.31

C. 0.3

B. 0.13

D. 0.41





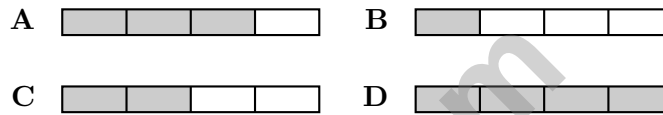
5 bars, each $\frac{1}{3}$ yard

5)

Each bar above is $\frac{1}{3}$ yard. What is the total length of all 5 bars?

- A. $\frac{5}{3}$ yards (or $1\frac{2}{3}$ yards) C. $\frac{1}{3}$ yard
 B. $\frac{5}{15}$ yard D. 5 yards

6) Which picture shows $3 \times \frac{1}{4}$?



- A. Picture A C. Picture C
 B. Picture B D. Picture D

7) Noah bought a chocolate bar divided into 10 equal pieces. He ate 7 pieces. Which shows how much he ate as a sum of unit fractions?

- A. $\frac{7}{10}$ C. $\frac{1}{7} + \frac{1}{7} + \frac{1}{7}$
 B. $\frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10}$ D. $\frac{7}{7}$

8) Is $\frac{3}{5}$ greater than or less than $\frac{1}{2}$?

- A. Greater than $\frac{1}{2}$ C. Equal to $\frac{1}{2}$
 B. Less than $\frac{1}{2}$ D. Cannot determine



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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 B is correct.** (4.NF.C.5) The tenths place is the same for both (2 tenths). Compare the hundredths: $7 > 2$, so $0.27 > 0.22$. Lin's apple is heavier.
- Choice C is correct.** (4.NF.C.5) The dot is at the third mark out of 10 equal marks, so it shows $\frac{3}{10}$.
- Choice D is correct.** (4.NBT.A.2) Reading the chart: ten-thousands: 6, thousands: 5, hundreds: 2, tens: 0, ones: 9 → 65,209 ✓
- Choice A is correct.** (4.NF.B.3) We have 5 copies of the unit fraction $\frac{1}{8}$. When we add them, the denominator stays 8, and we count the unit fractions: 5 of them. So $\frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} = \frac{5}{8}$.
- Choice B is correct.** (4.NF.B.4) Six rolls of tape, each with $\frac{1}{8}$ meter, contain $6 \times \frac{1}{8} = \frac{6}{8}$, which simplifies to $\frac{3}{4}$ meters.
- Choice A is correct.** (4.MD.C.6) Ming's angle at 100° is just past a right angle (which is 90°). Any angle bigger than 90° but smaller than 180° is obtuse, so this is definitely obtuse. The answer is obtuse angle.
- Choice D is correct.** (4.NBT.A.3) We're rounding to the nearest hundred. Look at the tens digit: 6. Since $6 \geq 5$, we round UP! The hundreds digit goes from 2 to 3, giving us **3,300**. ✓
- Choice D is correct.** (4.G.A.1) Perpendicular segments cross at exactly 90° — look for that special little square symbol. Diagram D has it, showing two segments meeting perfectly at right angles.
- Choice A is correct.** (4.NBT.B.6) Use long division: $16 \div 8 = 2$, bring down the 2 to get $2 \div 8 = 0$ r2, bring down the 4 to get $24 \div 8 = 3$. Each shelf gets **203** books.
- Choice A is correct.** (4.NF.B.3) Three friends share one sub. Step 1: Add Friends A and B: $\frac{4}{10} + \frac{3}{10} = \frac{7}{10}$. Step 2: Friend C eats what's left: $\frac{10}{10} - \frac{7}{10} = \frac{3}{10}$.
- Choice D is correct.** (4.MD.A.3) Use $P = 2\ell + 2w = 36$ with $w = 8$: $2\ell + 2(8) = 36$. Solve: $2\ell + 16 = 36$, so $2\ell = 20$, thus $\ell = 10$ m.
- The correct answer is 30.** (4.OA.A.2) "5 times as many" means multiply: $5 \times 6 = 30$ action figures.
- Choice C is correct.** (4.MD.C.7) Add the three spinner sections together: $50^\circ + 60^\circ + 70^\circ = 180^\circ$.
- The correct answer is B, C.** (4.MD.C.5) An obtuse angle opens wider than a right angle (90 degrees) but does not reach a straight line (180 degrees). So it is both larger than right and smaller than straight.
- Choice C is correct.** (4.MD.A.2) The movie starts at 2:30 p.m. and ends at 4:15 p.m. From 2:30 to 3:30 is 60 minutes, plus 45 more to 4:15. Total: $60 + 45 = 105$ minutes. The movie is **105** minutes long.
- Choice B is correct.** (4.NF.B.4) Ming has 5 bags, each with $\frac{3}{10}$ pound. Multiply: $5 \times \frac{3}{10} = \frac{5 \times 3}{10} = \frac{15}{10} = 1\frac{1}{2}$ pounds. The answer is $1\frac{1}{2}$ pounds.
- Choice B is correct.** (4.NF.C.5) 0.5 represents half. The number line goes from 0 to 1, so 0.5 sits exactly in the middle at mark B.
- Choice B is correct.** (4.NF.B.3) One whole is $\frac{6}{6}$. After removing it, $\frac{10}{6} - \frac{6}{6} = \frac{4}{6}$ remains. So $\frac{10}{6} = 1\frac{4}{6}$ ✓.
- Choice C is correct.** (4.MD.C.5) The angle spans from 0° (rightward) to 135° , measuring 135° .
- Choice A is correct.** (4.NF.B.3) Since $\frac{1}{3} < \frac{2}{3}$, regroup: $2\frac{1}{3} = 1\frac{4}{3}$. Subtract the wholes: $1 - 1 = 0$. Subtract the fractions: $\frac{4}{3} - \frac{2}{3} = \frac{2}{3}$.
- Choice D is correct.** (4.OA.B.4) The word "add 7" tells us the rule. Check: $14 - 7 = 7$, $21 - 14 = 7$. Each increases by 7 (multiples of 7). ✓
- Choice D is correct.** (4.NBT.B.5) The standard algorithm: multiply by ones ($37 \times 6 = 222$), then by tens ($37 \times 20 = 740$), then add ($222 + 740 = 962$). Choice D shows all three numbers.
- Choice A is correct.** (4.NF.A.1) Check option A: $\frac{3}{4} = \frac{3 \times 3}{4 \times 3} = \frac{9}{12}$ ✓ True! The others fail: B gives $\frac{2}{5} = \frac{8}{20}$ (not $\frac{4}{12}$), C gives $\frac{1}{4} = \frac{3}{12}$ (not $\frac{2}{12}$), and D is clearly false.
- Choice C is correct.** (4.MD.A.1) Since 1 centimeter = 10 millimeters, multiply: $15 \times 10 = 150$ mm. The answer is **150** mm.
- The correct answer is 6.** (4.G.A.3) For any regular polygon, the number of lines of symmetry equals the number of sides. A shape with 6 sides is a regular hexagon, which has exactly **6** lines of symmetry.



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Notes From Your Math Builder

Hi, Math Builder!

◇ Through 10 practice tests, you built your math house brick by brick. The walls are strong. The roof is on. You are ready for anything test day brings. ◇

★ **Builders know:** good plans make strong houses. You learned to plan, then build. That helps with any problem. ★

Builder's Tools

- **Foundation:** ROCK SOLID. Math facts are in place.
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- **Walls:** TIDY. Your work is neat and clear.
- **Roof:** DONE. You always answer the question.

Builder tip: on test day, build each answer like a tiny house. Read first. Plan next. Do the math. Then check!

If you want to share something or ask a question, please email me at jay@testinar.com.

Jay Daie

Your Math Builder

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