

6 Washington Smarter Balanced

GRADE 4 MATH PRACTICE TESTS

Standards-Aligned Review with
Mixed Practice and Answer Key



MASTER KEY MATH CONCEPTS
BUILD CONFIDENCE FOR TEST DAY

INCLUDES COMPREHENSIVE ANSWER KEY
ALIGNED STATE STANDARDS

6 Washington Smarter Balanced Grade 4 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Six 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.

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Welcome, Washington Math Explorer!

Six steady rounds on the Evergreen State math route

This book gives you six 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?

Six tests, 180 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 4–6	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) Subtract: $10,000 - 4,567 = ?$

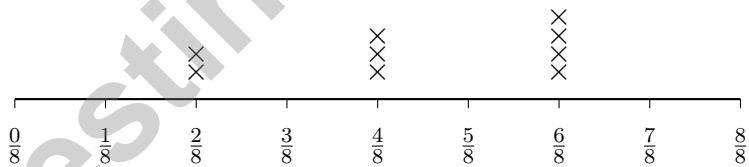
2) Two perpendicular lines:

- A. Never meet
 B. Meet at a 90° angle
 C. Are always the same length
 D. Form a straight angle

3) Which turn is the largest?

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

4) A line plot shows data in eighths:



If all measurements at $\frac{6}{8}$ inch are removed, how many X marks remain on the line plot?

- A. 3
 B. 4
 C. 5
 D. 6



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5) Look at the bar model below. How many times as many is the longer bar compared to the shorter bar?

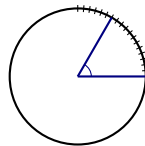


- A. 3 times
 - B. 2 times
 - C. 10 times
 - D. 5 times
- 6) Which number is less than 345,200?

- A. 345,300
 - B. 354,200
 - C. 346,200
 - D. 345,100
- 7) What is 19×22 ?

- A. 418
- B. 380
- C. 392
- D. 456

8)



This diagram is marked from 0° to 60° . How many one-degree angles does the angle contain?

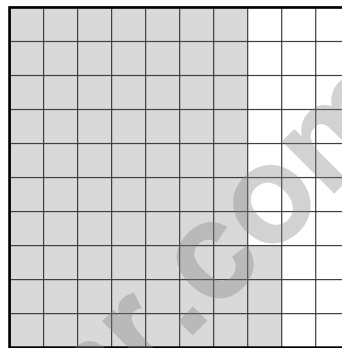
- A. 60 one-degree angles
- B. 61 one-degree angles
- C. 59 one-degree angles
- D. 30 one-degree angles



9) Mason organized his trading cards by place value. He has 8 cards in the thousands group and 8 cards in the tens group. Which statement is true?

- A. The thousands cards have a value 1,000 times the tens cards.
- B. The tens cards have a value 10 times the thousands cards.
- C. The values are equal.
- D. The thousands cards have a value 100 times the tens cards.

10) Look at the grid below with hundredths shaded.



What decimal is shown?

- A. 0.62
- B. 0.72
- C. 0.73
- D. 0.82
- 11) A serving of pasta is $\frac{1}{3}$ pound. How much pasta is in 6 servings?
- A. $\frac{1}{18}$ pound
- B. $\frac{6}{3}$ pounds (or 2 pounds)
- C. $\frac{6}{18}$ pound
- D. $\frac{1}{2}$ pound



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6) A quadrilateral has exactly one pair of parallel sides. What type of figure is it?

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

7) The factors of 18 are shown in the table. Which number is missing?

Factor Pair
$1 \times 18 = 18$
$2 \times 9 = 18$
$3 \times ? = 18$

- A. 5 C. 7
 B. 9 D. 6

8) A line plot shows pebble sizes in eighths of an inch. There are 2 pebbles at $\frac{2}{8}$ inch, 4 pebbles at $\frac{3}{8}$ inch, and 1 pebble at $\frac{5}{8}$ inch. How many pebbles are there in total?

- A. 5 C. 7
 B. 6 D. 8

9) A growing pattern of rectangles shows:



Figure 1



Figure 2



Figure 3

How many unit squares are in Figure 5?

- A. 8 C. 12
 B. 14 D. 10



1) A factory starts with 200 toy cars. They sell 50 cars. Then they pack the remaining cars into boxes of 6. How many complete boxes can they fill?

A. 24

C. 26

B. 33

D. 25

2) Expand 2,814 using the place-value model:

Thousands	Hundreds	Tens	Ones
2	8	1	4

A. $2,000 + 8,000 + 14$

C. $2 + 8 + 1 + 4$

B. $2,000 + 80 + 14$

D. $2,000 + 800 + 10 + 4$

3) How many degrees larger is 145° than 55° ?

4) An angle measuring 112° is separated into two parts. If one part is 63° , what is the measure of the other part?

A. 49°

C. 63°

B. 175°

D. 56°



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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

- The correct answer is 5,433.** **(4.NBT.B.4)** Subtracting from 10,000 chains a regrouping all the way across. Borrow from the ten-thousands ($1 \rightarrow 0$); the three middle zeros become 9s and the ones becomes 10. Now: $10 - 7 = 3$, $9 - 6 = 3$, $9 - 5 = 4$, $9 - 4 = 5$, $0 - 0 = 0$. Result: **5,433**. ✓
- Choice B is correct.** **(4.G.A.1)** Perpendicular lines are special because they always cross at exactly 90° — a perfect right angle. That little square symbol shows you where they meet.
- Choice A is correct.** **(4.MD.C.5)** Compare the fractions: $\frac{1}{2} = 0.5$, $\frac{1}{3} \approx 0.33$, $\frac{2}{5} = 0.4$, $\frac{1}{4} = 0.25$. The largest fraction is $\frac{1}{2}$.
- Choice C is correct.** **(4.MD.B.4)** First, count all X marks: $2 + 3 + 4 = 9$. Remove the 4 marks at $\frac{6}{8}$ inch: $9 - 4 = 5$ marks remain.
- Choice D is correct.** **(4.OA.A.1)** To find “how many times,” divide the longer length by the shorter: $10 \div 2 = 5$. So the longer bar is **5** times as long as the shorter bar.
- Choice D is correct.** **(4.NBT.A.2)** The hundred-thousands and ten-thousands match. Hundreds place: $100 < 200$, so $345,100 < 345,200$ ✓
- Choice A is correct.** **(4.NBT.B.5)** Split 22: $19 \times (20 + 2) = 380 + 38 = 418$.
- Choice A is correct.** **(4.MD.C.5)** The diagram shows the angle from 0° to 60° , giving us **60** one-degree angles.
- Choice D is correct.** **(4.NBT.A.1)** Mason’s thousands cards are worth $8 \times 1,000 = 8,000$; tens cards are worth $8 \times 10 = 80$. The ratio is $8,000 \div 80 = 100$ times. ✓
- Choice C is correct.** **(4.NF.C.5)** Count the shaded squares: 7 full columns (that’s 70 squares) plus 3 extra squares make 73 squares total. So the decimal is 73 hundredths = 0.73.
- Choice B is correct.** **(4.NF.B.4)** Six servings, each $\frac{1}{3}$ pound, give us $6 \times \frac{1}{3} = \frac{6}{3} = 2$ pounds of pasta.
- Choice C is correct.** **(4.NF.B.4)** Count the shaded parts: 4 parts are shaded. Count the equal parts: 5 total parts. So the shaded fraction is $4 \times \frac{1}{5} = \frac{4}{5}$.
- The correct answer is 4.** **(4.NF.B.3)** To reach $\frac{4}{6}$, we count the unit fractions: **4** jumps of $\frac{1}{6}$ get us there.
- Choice B is correct.** **(4.NF.B.3)** Add the wholes: $1 + 3 = 4$. Add the fractions: $\frac{5}{8} + \frac{3}{8} = \frac{8}{8} = 1$. Combine: $4 + 1 = 5$.
- The correct answer is A, C.** **(4.MD.A.3)** Check A: Area = $10 \times 6 = 60$ sq ft ✓ Check C: Perimeter = $2(10) + 2(6) = 32$ ft ✓ The other options are incorrect.
- Choice C is correct.** **(4.MD.C.7)** Each turn is an angle. Add the rotations together: $110^\circ + 40^\circ = 150^\circ$.
- Choice A is correct.** **(4.NF.B.4)** We take 2 copies of $\frac{3}{4}$. Multiply: $2 \times \frac{3}{4} = \frac{2 \times 3}{4} = \frac{6}{4} = 1\frac{2}{4} = 1\frac{1}{2}$. The answer is **1 $\frac{1}{2}$** .
- Choice B is correct.** **(4.MD.A.2)** The tank needs 3 liters per day for 5 days. Multiply: $3 \times 5 = 15$ liters. He needs **15** liters of water.
- Choice D is correct.** **(4.OA.A.3)** Two steps! Step 1: equal groups means divide. $24 \div 4 = 6$ stickers in the group Sam keeps. Step 2: add the new stickers: $6 + 8 = 14$ stickers now.
- Choice B is correct.** **(4.G.A.3)** The letter *U* looks like a cup with two equal curved sides. A vertical line straight down the middle splits it so both sides match perfectly. The answer is Vertically down the middle.
- Choice C is correct.** **(4.NF.B.4)** Five eighths: $5 \times \frac{1}{8} = \frac{5}{8}$.
- Choice D is correct.** **(4.NBT.A.3)** We’re rounding to the nearest hundred. Look at the tens digit: 5. Since $5 \geq 5$, we round UP! The hundreds digit changes from 4 to 5, giving us **31,500**. ✓
- Choice D is correct.** **(4.NF.A.1)** Same denominators? Just compare the numerators! Since $1 < 3$, $\frac{1}{4} < \frac{3}{4}$.
- Choice C is correct.** **(4.MD.A.1)** Step 1: Find total weight: $25 \times 8 = 200$ pounds. Step 2: Convert to ounces: $200 \times 16 = 3,200$ ounces. The answer is **3,200** ounces.
- Choice D is correct.** **(4.OA.B.4)** Apply “multiply by 3 then subtract 2” to input 5: Step 1: $5 \times 3 = 15$. Step 2: $15 - 2 = 13$.
- The correct answer is 864.** **(4.NBT.B.6)** Use long division: $3 \div 4 = 0$ r3, bring down the 4 to get $34 \div 4 = 8$ r2, bring down the 5 to get $25 \div 4 = 6$ r1, bring down the 6 to get $16 \div 4 = 4$. Each friend reads **864** pages.
- Choice C is correct.** **(4.MD.C.5)** An acute angle measures between 0 and 90 degrees and has a small opening.



Cheer Squad Final Pep Talk

Hi, Math Star!

◇ 6 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 6 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.

Jay Daie

Your Math Cheerleader

PRACTICE TODAY, SUCCEED TOMORROW!

This **Grade 4 Math Practice Tests** book is the perfect tool to help students strengthen their math skills, master important concepts, and build confidence for test success.

With 6 full-length practice tests, a variety of question types, and detailed answer explanations, students get the review and practice they need to improve accuracy, develop critical thinking, and achieve their best.

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SUCCESS FOR LIFE.**

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Develop logical thinking and effective solution strategies.



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Become familiar with test-style questions and formats.



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Master Key Concepts

Reinforce important skills aligned with grade-level standards.



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 & Equivalent Fractions
- ✔ Decimals
- ✔ Geometry & Measurement
- ✔ Perimeter & Area
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