

3

Washington

Smarter Balanced

GRADE 4

MATH

PRACTICE TESTS

Standards-Aligned Review with
Mixed Practice and Answer Key



5 FULL-LENGTH
PRACTICE TESTS



STANDARDS-ALIGNED
REVIEW



MIXED PRACTICE
QUESTIONS



ANSWER KEY
INCLUDED

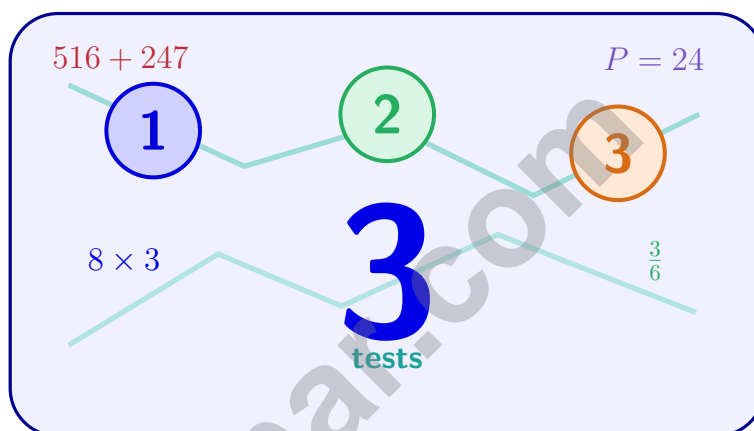
$$a^2 + b^2 = c^2$$

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



3 Washington Smarter Balanced Grade 4 Math Practice Tests

Standards-Aligned Practice for Stronger Math Skills and Test Readiness



Three 30-question trail tests packed with Grade 4 review, Washington Smarter Balanced strategy tips, answer keys, and step-by-step explanations that turn every miss into the next move.

Jay Daie and Reza Nazari



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Welcome, Washington Math Explorer!

Three steady rounds on the Evergreen State math route

This book gives you three full Grade 3 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?

Three tests, 90 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 1–3	Skill-building rounds with fractions, measurement, area, data, and two-step problems.
Tests 1–3	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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& answers

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1) Mia had $\frac{9}{10}$ gallon of paint and used $\frac{4}{10}$. How much is left?

2) A rectangle has a width of 6 feet. The area is 54 square feet. What is the length?

A. 8 ft

C. 10 ft

B. 9 ft

D. 12 ft

3) Which of the following shows a pattern where all numbers are even?

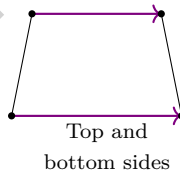
A. 2, 5, 8, 11, 14

C. 3, 6, 9, 12, 15

B. 4, 8, 12, 16, 20

D. 1, 2, 3, 4, 5

4) Look at the quadrilateral. Which pair of sides are parallel?



A. Top and bottom

C. All four sides

B. Left and right

D. No sides are parallel

5) Kai started with $5\frac{4}{6}$ meters of rope. He cut off a piece, leaving $2\frac{2}{6}$ meters. How much rope did he cut off?

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

C. $3\frac{2}{6}$ meters

B. $3\frac{1}{6}$ meters

D. $4\frac{1}{6}$ meters



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6) Zoe drinks $\frac{2}{5}$ liter each day for 5 days. How many liters total?

7) Tyler has 6 toy trains. His cousin has 4 times as many toy trains. How many toy trains does his cousin have?

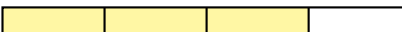
8) A plant's growth was measured five times in eighths: $\frac{3}{8}$ in, $\frac{5}{8}$ in, $\frac{2}{8}$ in, $\frac{5}{8}$ in, $\frac{3}{8}$ in. What is the difference between the largest and smallest growth measurement?

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

9) Which fraction bar shows $\frac{4}{6}$ as a sum of unit fractions?

Choice A 

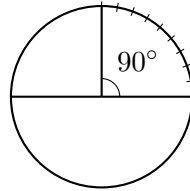
Choice B 

Choice C 

Choice D 

- A. 4 parts shaded, 6 total C. 3 parts shaded, 4 total
 B. 3 parts shaded, 3 total D. 2 parts shaded, 3 total





10)

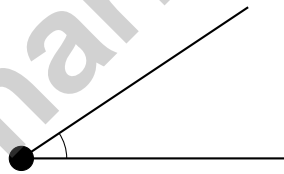
A circle is divided into sections. The section shown contains 90 one-degree angles. What is the measure of this angle?

- A. 90°
 C. 180°
 B. 9°
 D. 45°

11) A rectangular garden is divided into 6 equal plots, and the farmer uses 4 of them. Which expression shows $\frac{4}{6}$ written as a sum of **unit fractions**?

- A. $\frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6}$
 C. $\frac{3}{6} + \frac{1}{6}$
 B. $\frac{2}{6} + \frac{2}{6}$
 D. $\frac{4}{6} + 0$

12)



Comparing this angle to a right angle, this angle is:

- A. larger
 C. smaller
 B. the same size
 D. a straight angle

13) Three friends shared a candy bar. Alex ate $\frac{1}{3}$, Blake ate $\frac{2}{5}$, and Chloe ate $\frac{1}{4}$. Who ate the most?

- A. Alex
 C. Chloe
 B. Blake
 D. Alex and Blake ate the same



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1) Ethan has \$35 and spends \$12 on a book. How much money does he have left?

A. \$12

C. \$47

B. \$23

D. \$35

2) Which decimal is greatest?

A. 0.19

C. 0.11

B. 0.91

D. 0.99

3) Aisha has 5 pet fish. Kai has 4 times as many fish as Aisha. How many fish does Kai have?

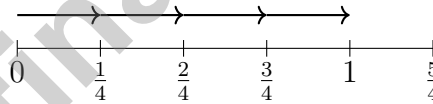
A. 9

C. 25

B. 15

D. 20

4) Use the number line to find $4 \times \frac{1}{4}$.



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

C. $\frac{2}{4}$

B. $\frac{4}{4}$ or 1

D. $\frac{4}{16}$

5) An orchard has 16 rows of apple trees. Each row has 35 trees. How many apple trees are in the orchard?

A. 560

C. 540

B. 480

D. 420

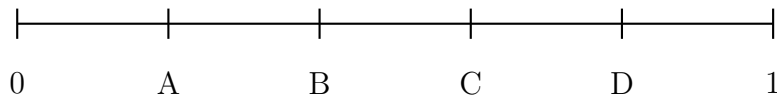


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6) When placing a protractor on an angle, the vertex should be at:

- A. The 0-degree mark
- B. The center point of the protractor
- C. The top of the protractor
- D. Either the 0-mark or the center; they are the same

7) Where does 0.2 belong on this number line?



- A. At position A
- B. At position B
- C. At position C
- D. At position D
- 8) An angle is divided into 27 one-degree angles. What is the measure of the angle?
- A. 27°
- B. 13.5°
- C. 54°
- D. 270°
- 9) Look at the pattern: 5, 10, 20, 40, ... Which rule describes it?
- A. Add 5
- B. Multiply by 3
- C. Add 10
- D. Multiply by 2
- 10) Gia has 27 stickers. Her friend gives her 18 more. They share all stickers equally. If they split into 3 groups, how many stickers are in each group?
- A. 12
- B. 13
- C. 18
- D. 15



1) Write $\frac{9}{10}$ as a decimal.

2) Round 8,756 to the nearest hundred.

A. 8,700

C. 8,756

B. 9,000

D. 8,800

3) What is the area of a rectangle that is 10 inches long and 3 inches wide?

A. 13 sq in

C. 30 sq in

B. 26 sq in

D. 33 sq in

4) A school buys 4 cases of pencils. Each case has 50 pencils. They distribute equally to 25 classrooms. How many pencils does each classroom get?

A. 10 pencils

C. 15 pencils

B. 12 pencils

D. 8 pencils

5) An isosceles trapezoid has how many lines of symmetry?

A. 0

C. 2

B. 1

D. 4



6) Which pair of decompositions both equal $\frac{8}{10}$?

- A. $\frac{2}{10} + \frac{6}{10}$ and $\frac{4}{10} + \frac{4}{10}$
 B. $\frac{1}{10} + \frac{6}{10}$ and $\frac{3}{10} + \frac{5}{10}$

- C. $\frac{2}{10} + \frac{5}{10}$ and $\frac{4}{10} + \frac{3}{10}$
 D. $\frac{5}{10} + \frac{2}{10}$ and $\frac{6}{10} + \frac{1}{10}$

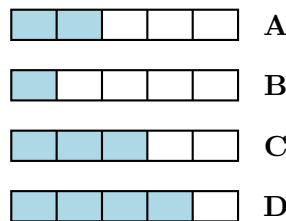
7) Which number has a 4 in the hundreds place? Use this expanded form reference:

Number	Thousands	Hundreds	Tens	Ones
Option A	2	4	1	5
Option B	4	2	1	5
Option C	1	2	4	5
Option D	2	5	4	1

- A. 2,415
 B. 4,215
 C. 1,245
 D. 2,541

8) A rope is 9 yards long. How many feet does the rope measure?

9) Which picture shows $\frac{2}{5}$ as two unit fractions of $\frac{1}{5}$?



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



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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 $\frac{1}{2}$.** (4.NF.B.3) Mia started with $\frac{9}{10}$ gallon of paint and used $\frac{4}{10}$. What's left: $9 - 4 = 5$ tenths, or $\frac{5}{10}$ (which simplifies to $\frac{1}{2}$).
- Choice B is correct.** (4.MD.A.3) From $54 = \ell \times 6$: Divide to get $\ell = 54 \div 6 = 9$ ft.
- Choice B is correct.** (4.OA.B.4) Remember: even numbers end in 0, 2, 4, 6, or 8. Check each list: choice A has 5 and 11 (odd), choice C has 3, 9, 15 (odd), choice D has 1, 3, 5 (odd). Only choice B—4, 8, 12, 16, 20—has every term ending in an even digit, so every term is even. ✓
- Choice A is correct.** (4.G.A.2) The purple arrows indicate which sides are parallel. The arrows on the top and bottom sides show they are parallel to each other. The answer is **A**.
- Choice C is correct.** (4.NF.B.3) Subtract the wholes: $5 - 2 = 3$. Subtract the fractions: $\frac{4}{6} - \frac{2}{6} = \frac{2}{6}$. He cut off **$3\frac{2}{6}$** meters.
- The correct answer is 2.** (4.NF.B.4) Zoe drinks $\frac{2}{5}$ liter each day for 5 days. Multiply: $5 \times \frac{2}{5} = \frac{5 \times 2}{5} = \frac{10}{5} = 2$ liters. The answer is **2** liters.
- The correct answer is 24.** (4.OA.A.1) "4 times as many" tells us to multiply. The cousin has $6 \times 4 = \mathbf{24}$ trains.
- Choice C is correct.** (4.MD.B.4) The largest measurement is $\frac{5}{8}$ in and the smallest is $\frac{2}{8}$ in. The difference is $\frac{5}{8} - \frac{2}{8} = \frac{3}{8}$ in.
- Choice A is correct.** (4.NF.B.3) In the fraction bar, we have 4 shaded parts out of 6 equal parts. Each piece is a unit fraction $\frac{1}{6}$. So we have $\frac{4}{6} = \underbrace{\frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6}}_{4 \text{ copies}}$.
- Choice A is correct.** (4.MD.C.5) The sector is marked with 90 one-degree angle tick marks, so its measure is **90°** .
- Choice A is correct.** (4.NF.B.3) A unit fraction has numerator 1. The farmer uses 4 plots, so we need four $\frac{1}{6}$ pieces: $\frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6} \checkmark$.
- Choice C is correct.** (4.MD.C.5) This angle has a smaller opening than a right angle, making it acute.
- Choice B is correct.** (4.NF.A.1) Find a common denominator: $\frac{1}{3} = \frac{20}{60}$, $\frac{2}{5} = \frac{24}{60}$, $\frac{1}{4} = \frac{15}{60}$. Since $24 > 20 > 15$, Blake ate most.
- Choice B is correct.** (4.NF.C.5) The bar is split into 10 equal sections with 5 shaded. This represents $\frac{5}{10}$.
- The correct answer is A, C.** (4.NF.B.3) Let's check each statement. Step 1 (for A and C): Add the amounts: $\frac{3}{4} + \frac{2}{4} = \frac{5}{4}$ cups total (A is correct). Find the difference: $\frac{3}{4} - \frac{2}{4} = \frac{1}{4}$ cup more sugar (C is correct). Step 2 (why others fail): B claims $\frac{5}{8}$, but we got $\frac{5}{4}$. D claims $\frac{1}{8}$, but the difference is $\frac{1}{4}$. E compares the ratio 2:3, which is not half.
- Choice D is correct.** (4.NBT.A.2) Choice D: $560,000 + 7,980 = 567,980$ (wrong!). A, B, and C all equal 567,089 in different ways ✓
- Choice A is correct.** (4.G.A.1) Points *J*, *K*, and *L* all sit on the same straight horizontal line, making them collinear. Point *M* stands off to the side, so it's not part of this collinear group.
- Choice C is correct.** (4.NF.C.5) $\frac{100}{100}$ represents one whole, or 1.0 (not 10.0). The other three statements are all correct.
- Choice D is correct.** (4.G.A.3) A regular pentagon with 5 equal sides has five lines of symmetry. Each line passes through one corner (vertex) and the middle of the opposite side. The answer is **5** lines of symmetry.
- Choice C is correct.** (4.MD.A.2) Cookies sell for \$2 each. She sells 18 cookies, so multiply: $2 \times 18 = 36$ dollars. She earns **\$36**.
- Choice D is correct.** (4.NBT.A.3) We're rounding to the nearest thousand. Look at the hundreds digit: 8. Since $8 \geq 5$, we round UP! The thousands digit goes from 5 to 6, giving us **6,000** pencils. ✓
- Choice B is correct.** (4.NF.C.5) 3 tenths = 0.3 and 7 hundredths = 0.07. Add them: $0.3 + 0.07 = 0.37$.
- Choice B is correct.** (4.MD.C.5) Two 60° angles account for 120° . Remaining: $360^\circ - 120^\circ = 240^\circ$. Number needed: $240^\circ \div 60^\circ = 4$ more angles.
- Choice A is correct.** (4.NBT.B.4) The correct answer is $5,003 - 1,245 = 3,758$, not 4,758. The student did not regroup correctly across the zeros.



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Notes From the Math Gardener

Hi, Math Gardener!

◇ Look at how much you grew! 3 tests is like 3 weeks of taking care of your math garden. Every problem was a seed. Every try was water. ◇

★ **Gardeners say:** growth takes time. You can't see roots, but they are there. You can't always feel smarter, but you are. Your math garden is full! ★

Garden Check-Up

- **Roots:** STRONG! Your basic math is solid.
- **Stems:** STURDY! You can do step-by-step problems.
- **Leaves:** GREEN! You have lots of math tools.
- **Flowers:** BRIGHT! You feel proud of your work.

Gardener tip: keep watering your math garden long after the test. Every habit you built will grow with you for years!

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

Jay Daie

Your Math Gardener

PRACTICE TODAY. SUCCEED TOMORROW!

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

With 3 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.



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
- ✓ Measurement & Data
- ✓ Geometry & Shapes
- ✓ Perimeter & Area
- ✓ Word Problems
- ✓ Patterns & Algebraic Thinking
- ✓ And More!



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MIXED PRACTICE
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ANSWER KEY
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