

9

Washington

Smarter Balanced

GRADE 4

MATH

PRACTICE TESTS

Standards-Aligned Review with
Mixed Practice and Answer Key



**9 FULL-LENGTH
PRACTICE TESTS**



**STANDARDS-ALIGNED
REVIEW**



**MIXED PRACTICE
BUILD SKILLS & CONFIDENCE**



**ANSWER KEY
FOR ALL TESTS**



$$\frac{3}{4} + \frac{1}{4} = 1$$



$$725 - 358 = 367$$

PREPARE
PRACTICE
SUCCEED
PERFORM

**PRACTICE TODAY.
SUCCEED TOMORROW.**

9 Washington Smarter Balanced Grade 4 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Nine 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!

Nine steady rounds on the Evergreen State math route

This book gives you nine 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?

Nine tests, 270 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.
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 plants flowers in 7 rows with 25 flowers in each row. How many flowers does she plant?

A. 140

C. 175

B. 210

D. 245

2) A quadrilateral has two pairs of parallel sides and four right angles, but the sides are not all equal. What is it?

A. Square

C. Rhombus

B. Rectangle

D. Trapezoid

3) Write $\frac{47}{100}$ as a decimal.

A. 0.047

C. 4.7

B. 0.47

D. 47.0

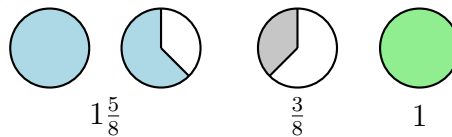
4) What is $2 \times \frac{2}{5}$?

A. $\frac{2}{10}$

C. $\frac{2}{5}$

B. $\frac{4}{5}$

D. $\frac{4}{10}$



5)

What is the sum of the three amounts shown?

A. $2\frac{7}{8}$

C. $3\frac{3}{8}$

B. $3\frac{1}{8}$

D. 3




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- 6) There are 144 meters of rope to cut into 12 equal pieces. How many meters long is each piece?

- 7) A rectangle's width is 7 feet. Its length is 2 times as long as its width. What is the length?

- A. 5 feet C. 3.5 feet
 B. 9 feet D. 14 feet

- 8) 3 times 

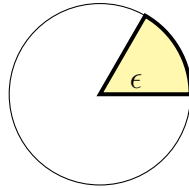
A zoo has 30 zebras. The number of zebras is 3 times the number of giraffes. How many giraffes are in the zoo?

- A. 5 C. 15
 B. 25 D. 10
- 9) Which pair of items from a classroom has right angles?
- A. A pencil and a ball C. A rope and a ball
 B. A desk and a book D. A clock and a spiral notebook



10) In the number 352,679, what is the value of the digit in the ten-thousands place?

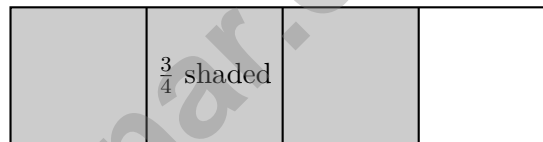
- A. 5
 B. 5,000
 C. 50,000
 D. 500,000



11)

The shaded sector shown measures 60° . How many sectors like this fit around the entire circle?

- A. 4
 B. 6
 C. 8
 D. 12



12)

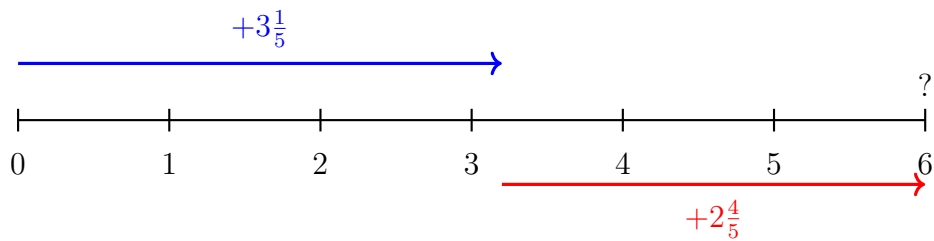
remove $\frac{1}{4}$; what remains?

A rectangle divided into 4 equal parts has 3 parts shaded (showing $\frac{3}{4}$). If one shaded part is removed, what fraction remains shaded?

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



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1)

Using the number line, what is $3\frac{1}{5} + 2\frac{4}{5}$?

A. $5\frac{4}{5}$

C. $6\frac{1}{5}$

B. $5\frac{3}{5}$

D. 6

2) A right angle is split into two smaller angles. One angle measures 28° more than the other. If the smaller angle is 31° , what is the measure of the other angle?

A. 59°

C. 90°

B. 31°

D. 62°

3) Round 29,999 to the nearest thousand.

A. 29,000

C. 29,900

B. 25,000

D. 30,000

4) Is 43 prime or composite?

A. Both

C. Neither

B. Composite

D. Prime



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5) Which of the following equals $\frac{11}{12}$?

A. $11 + \frac{1}{12}$

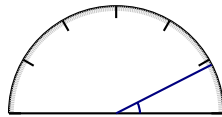
B. $11 \times \frac{1}{12}$

C. $\frac{1}{11} \times 12$

D. $\frac{12}{11}$

6) Find $\frac{3}{4} + \frac{2}{4}$ as a mixed number.

7)



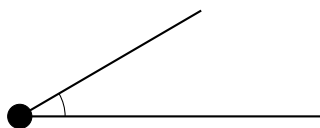
What is the measure of the angle shown?

 A. 25 degrees B. 27 degrees C. 30 degrees D. 32 degrees

8) An acute angle measures less than how many degrees?



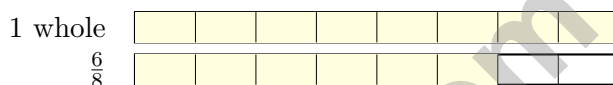
1)



Which statement is true about this angle?

- A. It is larger than a right angle
- B. It is smaller than a right angle
- C. It is equal to a right angle
- D. It is a straight angle

2) A board is $\frac{14}{8}$ inches long. Decompose this as a mixed number:

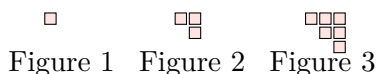


- A. $1\frac{6}{8} = \frac{8}{8} + \frac{6}{8}$
- B. $2\frac{1}{8} = \frac{16}{8} + \frac{1}{8}$
- C. $1\frac{3}{8} = \frac{8}{8} + \frac{3}{8}$
- D. $1\frac{5}{8}$ inches

3) Emma has 6 books. Her sister has 3 times as many. How many books does her sister have?

- A. 9
- B. 3
- C. 6
- D. 18

4) A pattern shows figures made of small squares arranged in columns:



How many unit squares are in Figure 6?

- A. 18
- B. 28
- C. 24
- D. 21

5) How many lines of symmetry does a non-square rectangle have?

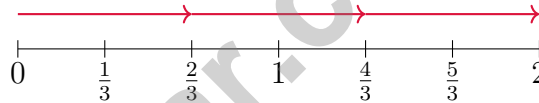


6) This place-value chart represents a number. Write the expanded form:

Thousands	Hundreds	Tens	Ones
9	0	4	2

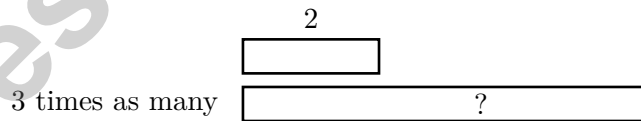
- A. $9,000 + 400 + 2$
- B. $90,000 + 400 + 20$
- C. $9 + 0 + 4 + 2$
- D. $9,000 + 40 + 2$

7) Use the number line to find $3 \times \frac{2}{3}$.



- A. $\frac{2}{3}$
- B. $1\frac{1}{3}$
- C. 2
- D. $\frac{9}{3}$ or 3

8)



Elena has 2 books. Her friend has 3 times as many books. How many books does her friend have?

- A. 5
- B. 12
- C. 8
- D. 6



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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

- 1) **Choice C is correct.** (4.NBT.B.5) Use place value: $7 \times (20 + 5) = 140 + 35 = 175$ flowers.
- 2) **Choice B is correct.** (4.G.A.2) A rectangle has two pairs of parallel sides and all four right angles. Although opposite sides are equal in length, not all four sides must be equal. The answer is **B**.
- 3) **Choice B is correct.** (4.NF.C.5) Hundredths fill the second decimal place. $\frac{47}{100} = 0.47$, so the answer is **0.47**.
- 4) **Choice B is correct.** (4.NF.B.4) Two groups of $\frac{2}{5}$ each: $2 \times \frac{2}{5} = \frac{2 \times 2}{5} = \frac{4}{5}$.
- 5) **Choice D is correct.** (4.NF.B.3) Add the wholes: $1 + 0 + 1 = 2$. Add the fractions: $\frac{5}{8} + \frac{3}{8} = \frac{8}{8} = 1$. Combine: $2 + 1 = 3$.
- 6) **The correct answer is 12 m.** (4.MD.A.2) There are 144 meters of rope to cut into 12 pieces. Divide: $144 \div 12 = 12$ meters. Each piece is **12** meters long.
- 7) **Choice D is correct.** (4.OA.A.1) “2 times as long” is a multiplication signal. The length is $7 \times 2 = 14$ feet.
- 8) **Choice D is correct.** (4.OA.A.2) The longer bar (30 zebras) is made of 3 equal pieces, each one giraffe-group’s size. To find one piece, divide: $30 \div 3 = 10$ giraffes.
- 9) **Choice B is correct.** (4.MD.C.5) Desks and books have rectangular corners, which are right angles.
- 10) **Choice C is correct.** (4.NBT.A.2) The ten-thousands place contains the digit 5. Its value: $5 \times 10,000 = 50,000$ ✓
- 11) **Choice B is correct.** (4.MD.C.5) A circle is 360° total, and each sector is 60° : $360^\circ \div 60^\circ = 6$ sectors.
- 12) **Choice B is correct.** (4.NF.B.3) The picture shows a rectangle with 3 out of 4 parts shaded. When one shaded part is removed, subtract: $\frac{3}{4} - \frac{1}{4} = \frac{2}{4}$ remains shaded.
- 13) **The correct answer is 360.** (4.NBT.B.6) Divide: $21 \div 6 = 3$ r3, bring down the 6 to get $36 \div 6 = 6$, bring down the 0 to get $0 \div 6 = 0$. The farm fills **360** cartons of eggs.
- 14) **Choice A is correct.** (4.NBT.B.4) Step 1: Add Mon-Wed: $2,000 + 4,000 + 3,000 = 9,000$. Step 2: Add Thu-Fri: $2,000 + 1,000 = 3,000$. Step 3: Subtract: $9,000 - 3,000 = 6,000$.
- 15) **The correct answer is 3.** (4.NF.B.4) The denominator 10 tells us the unit fraction is $\frac{1}{10}$. The numerator 3 tells us how many of these unit fractions we have. So there are **3** tenths in $\frac{3}{10}$.
- 16) **Choice A is correct.** (4.NF.B.3) Subtract the numerators: $6 - 1 = 5$. Keep the denominator the same: $\frac{5}{10}$.
- 17) **Choice A is correct.** (4.NF.C.5) 0.80 has 8 tenths, while 0.08 has 0 tenths (just 8 hundredths). Since 8 tenths $>$ 0 tenths, $0.80 > 0.08$. Socks cost more.
- 18) **The correct answer is A, C.** (4.NF.B.3) Count the unit fractions: five $\frac{1}{8}$ ’s equal $\frac{5}{8}$ (choice A). Choice C also correctly describes this as “five unit fractions of eighths.” Choice B reverses numerator and denominator. Choices D and E use wrong denominators.
- 19) **Choice B is correct.** (4.NF.A.1) All have numerator 5. Smaller denominators give bigger pieces. Order by denominator size: $6 < 8 < 10$, so $\frac{5}{6} > \frac{5}{8} > \frac{5}{10}$.
- 20) **Choice C is correct.** (4.OA.A.3) Two steps! Step 1: equal groups means divide: $36 \div 3 = 12$ coins in the group Noah keeps. Step 2: subtract what he spends: $12 - 5 = 7$ coins left.
- 21) **Choice C is correct.** (4.NF.C.5) To convert $\frac{4}{10}$ to hundredths, multiply both the numerator and denominator by 10: $\frac{4}{10} = \frac{40}{100}$.
- 22) **Choice B is correct.** (4.G.A.1) The first letter of a ray name is always the starting point. Ray UV begins at U and shoots through V forever. Diagram B shows this with the arrow starting at U .
- 23) **Choice D is correct.** (4.NBT.A.1) From the chart, the hundreds place (second column from the left) contains the digit **8**. ✓
- 24) **Choice A is correct.** (4.MD.C.5) The measure of an angle equals the number of one-degree angles it turns through, so 40 one-degree angles equal 40° .
- 25) **Choice D is correct.** (4.NF.A.1) A simplest form fraction has no common factors (other than 1) between the numerator and denominator. $\frac{3}{8}$ is simplest: 3 and 8 don’t share any factors. The others can all be reduced.
- 26) **Choice C is correct.** (4.OA.B.4) Divisibility rule for 2: the last digit must be even. 91 ends in 1—odd—so it’s *not* divisible by 2. The others (78, 84, 96) all end in even digits.



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Hi, Hero!

◇ Once there was a Grade 4 student who took 9 practice tests. At first, the math was tricky. But this student kept showing up, kept trying, and kept learning. By the end, the student became a math hero. That hero is you! ◇

★ **Storytellers know:** every story has a hard middle. The hard middle is where heroes grow. You lived your hard middle. Your story ends with confidence! ★

Your Hero Toolkit

- **Brave Heart:** You try hard problems.
- **Sharp Mind:** You think carefully before you act.
- **Steady Hand:** You write neatly and check.
- **Kind Spirit:** You are patient with yourself.

Storyteller tip: on test day, remember the hero you became. The chapters before today made you stronger. Now write your best chapter!

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

Jay Daie

Your Math Storyteller

PRACTICE TODAY. ACHIEVE TOMORROW!

This **Grade 4 Math Practice Tests** book is designed to help students strengthen essential math skills, build confidence, and develop the problem-solving abilities needed for classroom success and test readiness.

With 9 full-length practice tests, students gain repeated exposure to important Grade 4 concepts while learning how to approach questions with accuracy, confidence, and strong mathematical thinking.

Whether used at home, in the classroom, or for independent review, this book provides meaningful practice that helps students grow stronger with every test.

PERFECT FOR:

- ✓ Classroom Practice
- ✓ Homework & Review
- ✓ Independent Learning
- ✓ Test Preparation
- ✓ Skill Reinforcement

★ **CONFIDENCE IN MATH.
SUCCESS FOR LIFE.**

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.



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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