

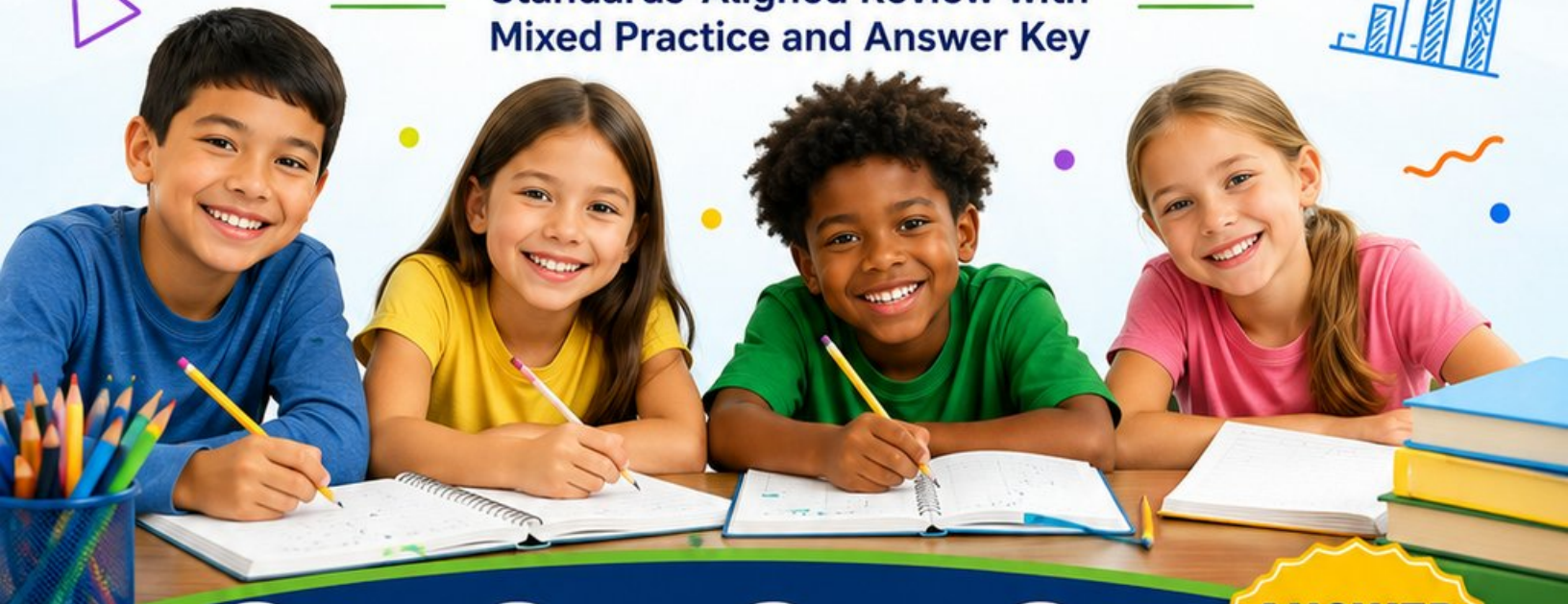
7

Hawaii

Smarter Balanced

GRADE 4 MATH PRACTICE TESTS

Standards-Aligned Review with
Mixed Practice and Answer Key



$$\begin{array}{r} 25 \\ +37 \\ \hline 62 \end{array}$$

$$\begin{array}{r} 8 \times 7 \\ = \\ 56 \end{array}$$



7 Full-Length
Practice Tests



Standards-
Aligned



Build Confidence
and Skills



Mixed Question
Types

**ANSWER
KEY**

INCLUDED

7 Hawaii Smarter Balanced Grade 4 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Seven complete 30-question Grade 4 practice rounds for Smarter Balanced, built around island trails, ocean patterns, and calm step-by-step thinking, with answer keys and clear explanations for every item.

Jay Daie and Reza Nazari



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Welcome, Hawaii Math Explorer!

Seven steady rounds on the Aloha State math route

This book gives you seven full Grade 4 practice tests for Smarter Balanced. Each round uses island trails, ocean patterns, and calm step-by-step thinking to keep practice memorable while you read carefully, choose a strategy, show work, and check the answer.

Hawaii 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 Hawaii 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 Aloha 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?

Seven tests, 210 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 5–7	Stamina rounds for mixed review, neat work, and flexible strategies.
Answer Pages	Compact keys and explanations that show why each answer works.

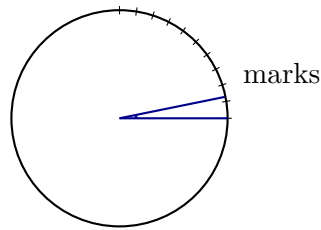
The tests are mixed on purpose. Real test readiness means recognizing the skill even when the next question changes topic.



Scan me!
For more practice
& answers

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1)

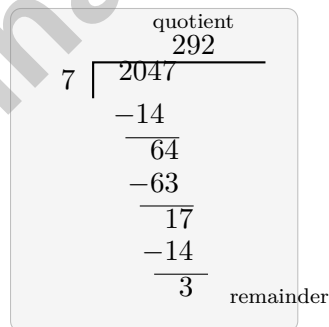
This angle reaches the first 9° mark. How many one-degree angles make this angle?

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

2) What is $\frac{90}{100}$ as a decimal?

- A. 0.09 C. 9.0
 B. 0.9 D. 0.99

3) What is the remainder when 2,047 is divided by 7?



- A. 2 C. 4
 B. 5 D. 3



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- 4) Multiply 7×314 using the standard algorithm or partial products.

- 5) Kai has $\frac{5}{8}$ of a chocolate bar. She gives $\frac{2}{8}$ to her friend. How much does she have left?

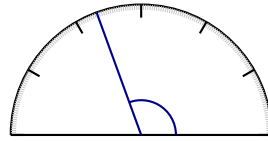


Kai has $\frac{5}{8}$
 $\frac{5}{8} - \frac{2}{8} = ?$

Gives $\frac{2}{8}$ away

- A. $\frac{1}{8}$
 C. $\frac{7}{8}$
 B. $\frac{3}{8}$
 D. $\frac{2}{8}$
- 6) Sam runs 3 miles to get to the park. How many feet is this?
- A. 528
 C. 5,280
 B. 1,584
 D. 15,840
- 7) When you measure an angle with a protractor, the vertex of the angle should be placed where?
- A. At the center point of the protractor
 C. At the 0-degree mark
 B. At the top of the protractor
 D. Anywhere on the flat edge





1)

Noah measures this angle. Is it acute, right, obtuse, or straight?

- A. Acute (less than 90 degrees) C. Obtuse (between 90 and 180 degrees)
- B. Right (exactly 90 degrees) D. Straight (exactly 180 degrees)

2) Which attribute is true for a square?

- A. Four equal sides and four right angles C. One pair of parallel sides
- B. Three angles and three sides D. Four different side lengths

3) A school fundraiser collected \$17,890. Rounded to the nearest thousand dollars, about how much was collected?

4) A park has 5 oak trees. This is 5 times as many as the number of maple trees. How many maple trees does the park have?

- A. 25 C. 10
- B. 5 D. 1



5) Subtract: $7,104 - 2,356 = ?$

A. 4,748

C. 5,748

B. 4,758

D. 4,648

6) A city library has 287,654 books. How is this number read?

A. Two hundred eighty thousand, seven hundred fifty-four

C. Twenty-eight thousand, seven hundred fifty-four

B. Two hundred thousand, eighty-seven thousand, six hundred fifty-four

D. Two hundred eighty-seven thousand, six hundred fifty-four

7) A recipe needs 3 cups of milk. How many tablespoons is this? (Hint: 1 cup = 16 tablespoons)

A. 16

C. 32

B. 24

D. 48

8) 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. $\frac{1}{10}$

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

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

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

9) A farmer plants 5 rows of vegetables. Each row has 15 plants. How many plants does the farmer plant in total?



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& answers

1) How many numbers from 20 to 30 are divisible by 2?

A. 4

C. 6

B. 5

D. 7

2) What is 64,950 rounded to the nearest thousand?

A. 64,900

C. 65,000

B. 64,000

D. 60,000

3) Jacob receives three \$5 bills. How much money is shown?

Three \$5 bills

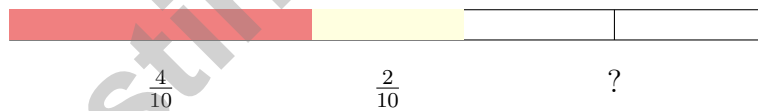
A. \$10

C. \$20

B. \$15

D. \$25

4)



A number line from 0 to 1 shows $\frac{4}{10}$ in red and $\frac{2}{10}$ in yellow. What fraction is unmarked?

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

C. $\frac{6}{10}$

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

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



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5) A bakery makes 25 trays of cookies. Each tray holds 28 cookies. How many cookies are made?

A. 600 cookies

C. 750 cookies

B. 800 cookies

D. 700 cookies

6) Find $6\frac{5}{8} - 3\frac{7}{8}$.

7) Noah ate $\frac{2}{8}$ of a sandwich. Write an equivalent fraction in simplest form to show what part of the sandwich Noah ate.

8) What is $1,764 \div 4$?

A. 441

C. 451

B. 431

D. 461

9) Sam ate $\frac{2}{6}$ of a pizza and Ming ate $\frac{3}{6}$ of the same pizza. How much of the pizza did they eat together?

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

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

B. $\frac{5}{12}$

D. $\frac{6}{6}$



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 A is correct.** (4.MD.C.5) The small angle reaches the first degree mark at 9° , containing **9** one-degree angles.
- Choice B is correct.** (4.NF.C.5) Ninety hundredths is written as $0.90 = 0.9$.
- Choice D is correct.** (4.NBT.B.6) Use long division: $20 \div 7 = 2$ r6, bring down the 4 to get $64 \div 7 = 9$ r1, bring down the 7 to get $17 \div 7 = 2$ r3. The remainder is **3**.
- The correct answer is 2198.** (4.NBT.B.5) Use partial products: $7 \times 314 = 7 \times (300 + 10 + 4) = 2100 + 70 + 28 = \mathbf{2198}$.
- Choice B is correct.** (4.NF.B.3) Kai has $\frac{5}{8}$ shown in the pink bar. She gives away $\frac{2}{8}$. Subtract: $5 - 2 = 3$ eighths remain. Answer: $\frac{3}{8}$.
- Choice D is correct.** (4.MD.A.1) Since 1 mile = 5,280 feet, multiply: $3 \times 5,280 = 15,840$ feet. The answer is **15,840** feet.
- Choice A is correct.** (4.MD.C.6) The vertex is where the two rays meet—this is the pivot point of the angle. To measure accurately, this point must be placed right at the center dot or mark on the protractor. This is how we align everything correctly. The answer is at the center point.
- Choice B is correct.** (4.MD.C.5) The interior is the space inside the angle between the two rays.
- Choice C is correct.** (4.OA.B.4) The pattern should follow “add 12,” giving multiples of 12: 12, 24, 36, 48, 60, ... Looking at the list, 50 does not appear in that sequence ($48 + 12 = 60$, not 50). So **50** is the number that doesn’t belong.
- Choice A is correct.** (4.NF.B.3) A unit fraction always has a numerator of 1. Four copies of $\frac{1}{5}$: $1 + 1 + 1 + 1 = 4$, giving us $\frac{4}{5}$ ✓.
- Choice D is correct.** (4.OA.A.1) The larger bar is 6 times the smaller bar, so we multiply: $3 \times 6 = 18$. The larger amount is **18**.
- Choice A is correct.** (4.G.A.2) Examining the figure, no opposite sides appear to be parallel to each other. The single right angle marked at one corner does not indicate that opposite sides are parallel. The answer is **A**.
- Choice C is correct.** (4.OA.A.3) Two steps! Step 1: find how many cookies are left after giving some away. $50 - 14 = 36$ cookies. Step 2: equal bags means divide: $36 \div 4 = 9$ cookies per bag.
- Choice D is correct.** (4.NBT.A.2) Breaking it: 73 thousands (“seventy-three thousand”) and 546 ones (“five hundred forty-six”) ✓
- Choice D is correct.** (4.NF.C.5) Look at the number line: L is at 0.50 and M is at 0.75. Since 0.55 falls between these, it’s in the region between L and M.
- The correct answer is A, B.** (4.MD.A.2) A is correct: $3 \times 4 = 12$ dollars. B is correct: $3 - 1 = 2$ gallons remain. C is wrong: that’s addition, not multiplication. D is wrong because the cost is \$4 per gallon. E is wrong because using half of 3 gallons leaves $1\frac{1}{2}$ gallons, not 2 gallons.
- Choice B is correct.** (4.NF.A.1) Check each: $\frac{4}{10} < \frac{1}{2}$ (4 tenths), $\frac{3}{8} < \frac{1}{2}$ (3 eighths), $\frac{5}{8} > \frac{1}{2}$ (5 eighths), $\frac{6}{10} > \frac{1}{2}$ (6 tenths). Both B choices are greater.
- Choice B is correct.** (4.MD.A.3) Using $P = 2\ell + 2w = 80$ with $\ell = 25$: $2(25) + 2w = 80$. Simplify: $50 + 2w = 80$, so $2w = 30$, thus $w = 15$ m.
- The correct answer is 60.** (4.MD.C.5) Divide 360 degrees by 6 equal sectors: $360^\circ \div 6 = \mathbf{60^\circ}$ per sector.
- Choice D is correct.** (4.NBT.A.1) In any number, the thousands place is always 10 times the hundreds place. Example: in 2,222, thousands is 2,000 and hundreds is 200; $2,000 \div 200 = \mathbf{10}$ times. ✓
- Choice B is correct.** (4.G.A.1) Whether you call it segment PQ or segment QP , you’re describing the exact same straight path between the two points. The order doesn’t matter.
- Choice C is correct.** (4.NF.B.4) When we multiply by the numerator, we keep the denominator the same. So $5 \times \frac{1}{4} = \frac{5}{4}$.
- Choice D is correct.** (4.OA.B.4) Test the small primes: 43 is odd; $4 + 3 = 7$ (not $\div 3$); doesn’t end in 0 or 5; $7 \times 6 = 42$, $7 \times 7 = 49$, no 7. So 43’s only factors are 1 and 43—**prime**.
- Choice C is correct.** (4.MD.C.7) Each turn is an angle. Add the rotations together: $110^\circ + 40^\circ = \mathbf{150^\circ}$.
- Choice A is correct.** (4.NF.B.3) Tom ate 5 slices out of 11, which is the fraction $\frac{5}{11}$. This is **5** copies of $\frac{1}{11}$.



Hi, Math Detective!

◇ You did such a great job! You finished 7 tests like a real detective. You found the clues, used your tools, and solved the math. ◇

★ **Detectives know:** good work takes time. You took your time. You looked carefully. You found the answers! ★

Your Detective Skills

- **Sharp Eyes:** You notice the small details.
- **Smart Plans:** You pick the right way to solve.
- **Brave Heart:** You try even when it's tricky.
- **Steady Work:** You finish what you start.

Detective tip: on test day, look carefully at each problem. Underline important words. Then solve like the detective you are!

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

Jay Daie

Your Math Detective Helper

7 FULL-LENGTH TESTS TO MASTER GRADE 4 MATH!

This **Grade 4 Math Practice Tests** book provides the practice your child needs to build strong math skills, understand key concepts, and gain the confidence to succeed on every test.

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- ✓ Test Preparation
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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.

$$\begin{array}{r} 45 \\ -17 \\ \hline 28 \end{array}$$



$$7 \times 8 = 56$$

TOPICS COVERED

- ✓ Place Value & Number Sense
- ✓ Multi-Digit Addition & Subtraction
- ✓ Multiplication & Division
- ✓ Fractions & Equivalent Fractions
- ✓ Decimals & Comparing Numbers
- ✓ Geometry & Shapes
- ✓ Measurement & Data
- ✓ Perimeter & Area
- ✓ Word Problems
- ✓ Patterns & Algebraic Thinking
- ✓ Graphs & Data Interpretation
- ✓ And More!



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Mixed Question Types



Answer Key Included