

3

Hawaii

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 Hawaii 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, Hawaii 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, Hawaii Math Explorer!

Three steady rounds on the Aloha State math route

This book gives you three full Grade 3 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?

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.



Scan me!
For more practice
& answers

Table of Contents

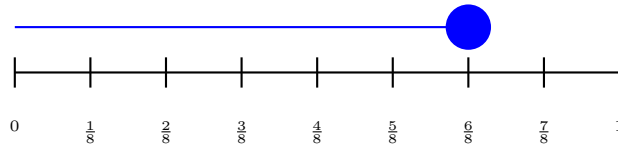
| | | |
|--|-------|----|
| ★ Practice Test 1 | _____ | 15 |
| ★ Practice Test 2 | _____ | 27 |
| ★ Practice Test 3 | _____ | 38 |
| Practice Test Answer Keys | _____ | 49 |
| Practice Test Answers and Explanations | _____ | 52 |

- 1) Kai baked $4\frac{2}{4}$ batches of cookies on Saturday and $2\frac{1}{4}$ batches on Sunday. What is the total?
- A. $5\frac{3}{4}$ batches C. $6\frac{2}{4}$ batches
 B. $6\frac{1}{4}$ batches D. $6\frac{3}{4}$ batches
- 2) How many factors does 32 have?
- A. 4 C. 6
 B. 5 D. 7
- 3) How many lines of symmetry does a circle have?
- A. 0 C. Infinitely many
 B. 1 D. 4
- 4) Which quadrilateral has four equal sides and four right angles?
- A. Rectangle C. Square
 B. Rhombus D. Trapezoid
- 5) Add: $54,321 + 45,678 = ?$
- A. 99,999 C. 99,989
 B. 100,099 D. 99,899



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6) Here is a number line showing $\frac{6}{8}$:



Which shows one correct way to decompose this into two equal jumps?

- A. Jump $\frac{3}{8}$, then jump $\frac{3}{8}$
 C. Jump $\frac{4}{8}$, then jump $\frac{3}{8}$
 B. Jump $\frac{2}{8}$, then jump $\frac{4}{8}$
 D. Jump $\frac{1}{8}$, then jump $\frac{6}{8}$

7) How many degrees are in $\frac{3}{4}$ of a turn?

- A. 180°
 C. 270°
 B. 225°
 D. 300°

8) What is $\frac{3}{8} + \frac{2}{8}$?

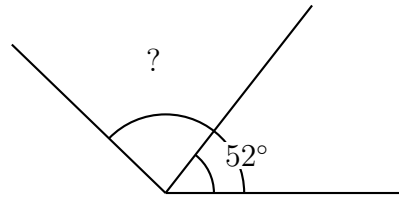
- A. $\frac{1}{8}$
 C. $\frac{5}{16}$
 B. $\frac{5}{8}$
 D. $\frac{6}{8}$



9) Which comparison is correct?

- A. $456,200 > 456,300$
 C. $189,450 = 189,451$
 B. $345,678 < 345,667$
 D. $234,567 < 234,576$



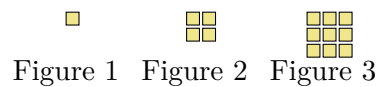
- 10) A ray divides a 136° angle into two parts. The smaller part measures 52° . What is the measure of the larger part?



- A. 84°
 C. 188°
 B. 52°
 D. 68°
- 11) 

 Toy A costs \$3. Toy B costs 3 times as much as Toy A. How much does Toy B cost?

- A. \$6
 C. \$12
 B. \$15
 D. \$9

- 12) A geometric pattern grows with stacked shapes:

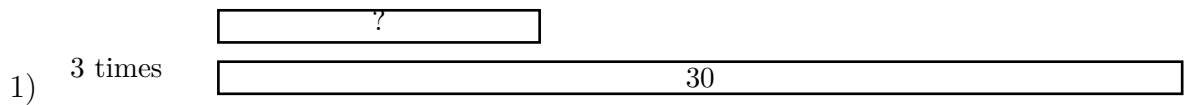


How many unit squares are in Figure 4?

- A. 25
 C. 20
 B. 18
 D. 16



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

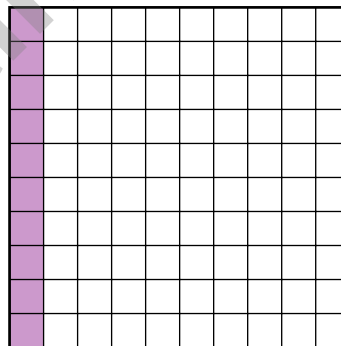
- A. 5
- B. 25
- C. 15
- D. 10

2) The fraction bar below is divided into equal parts. How many parts are shaded, and what fraction do they represent?



- A. 1 part; $\frac{1}{5}$
- B. 2 parts; $\frac{2}{5}$
- C. 4 parts; $\frac{4}{5}$
- D. 5 parts; $\frac{5}{5}$

3) Ming shaded $\frac{1}{10}$ of a rectangle. How many hundredths is this?



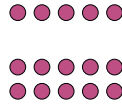
1 column shaded out of 10 columns

- A. 1 hundredth
- B. 10 hundredths
- C. 100 hundredths
- D. 11 hundredths



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& answers

Diego



Luna

1)

Diego has 5 pins. Luna has 2 times as many pins as Diego. How many pins does Luna have?

 A. 7 C. 12 B. 15 D. 10

2) A rectangle has a length of 8 ft and a width of 5 ft. What is its area?

 A. 13 sq ft C. 40 sq ft B. 26 sq ft D. 45 sq ft

3) Which shows the four correct partial products for 24×19 ?

| | |
|----------------------|--------------------|
| $20 \times 10 = 200$ | $4 \times 10 = 40$ |
| $20 \times 9 = 180$ | $4 \times 9 = 36$ |

A.

| | |
|----------------------|--------------------|
| $20 \times 19 = 380$ | $4 \times 19 = 76$ |
| 20 | 4 |

B.

| | |
|----------------------|--------------------|
| $20 \times 10 = 200$ | $4 \times 19 = 76$ |
| $20 \times 9 = 180$ | $4 \times 10 = 40$ |

C.

| | |
|----------------------|--------------------|
| $20 \times 10 = 200$ | $4 \times 10 = 40$ |
| $20 \times 9 = 180$ | $4 \times 8 = 32$ |

D.



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& answers

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 D is correct.** (4.NF.B.3) Add the wholes: $4 + 2 = 6$. Add the fractions: $\frac{2}{4} + \frac{1}{4} = \frac{3}{4}$. The total is $6\frac{3}{4}$ batches.
- Choice C is correct.** (4.OA.B.4) Factor pairs of 32: 1×32 , 2×16 , 4×8 . That gives factors 1, 2, 4, 8, 16, 32—count them up: 6 factors.
- Choice C is correct.** (4.G.A.3) A circle is super special! No matter which direction you draw a line through its center, both sides match perfectly. You could draw infinitely many such lines, so a circle has infinitely many lines of symmetry.
- Choice C is correct.** (4.G.A.2) A square combines two key properties: four equal sides (like a rhombus) and four right angles (like a rectangle). This makes a square a special quadrilateral. The answer is C.
- Choice A is correct.** (4.NBT.B.4) Add by place value: ones $1 + 8 = 9$, tens $2 + 7 = 9$, hundreds $3 + 6 = 9$, thousands $4 + 5 = 9$, ten-thousands $5 + 4 = 9$. The sum is **99,999**.
- Choice A is correct.** (4.NF.B.3) Two equal jumps of $\frac{3}{8}$ each: $3 + 3 = 6$, so $\frac{3}{8} + \frac{3}{8} = \frac{6}{8}$ ✓. Both parts are the same!
- Choice C is correct.** (4.MD.C.5) Three-quarters of the circle is $\frac{3}{4} \times 360^\circ = 270^\circ$.
- Choice B is correct.** (4.NF.B.3) Same denominator means we just combine numerators: $3 + 2 = 5$, so $\frac{5}{8}$.
- Choice D is correct.** (4.NBT.A.2) Looking at B: thousands and hundreds match. Tens place: $6 < 7$, so 234,567 < 234,576 is true. Others are false ✓
- Choice A is correct.** (4.MD.C.7) The diagram shows a ray splitting the angle. Subtract to find the larger part: $136^\circ - 52^\circ = 84^\circ$.
- Choice D is correct.** (4.OA.A.2) Toy B's group has 3 rows of \$3—"3 times as much." Multiply: $3 \times \$3 = \9 .
- Choice D is correct.** (4.OA.B.4) Squares form a grid: Figure 1 = $1 \times 1 = 1$, Figure 2 = $2 \times 2 = 4$, Figure 3 = $3 \times 3 = 9$. Figure 4 = $4 \times 4 = 16$ squares.
- Choice B is correct.** (4.NF.C.5) In the decimal 0.72, the first number after the decimal point is 7 (tenths place). The second is 2 (hundredths place).
- Choice A is correct.** (4.NF.A.1) Bag 1 has $\frac{4}{8}$ stickers. Simplify: $\frac{4}{8} = \frac{4 \div 4}{8 \div 4} = \frac{1}{2}$. Bag 2 has $\frac{2}{4} = \frac{1}{2}$ also. Same amount!
- The correct answer is 24.** (4.OA.A.1) "3 times as many" = multiply by 3. The restaurant has $8 \times 3 = 24$ medium tables.
- Choice B is correct.** (4.MD.A.1) Since 1 liter = 1,000 milliliters, multiply: $5,000 \times 1,000 = 5,000,000$ mL. The answer is **5,000,000** mL.
- Choice A is correct.** (4.MD.C.6) The ray points to the 42° mark, which is between the 30° and 60° benchmarks. Since $42^\circ < 90^\circ$, it's an acute angle. The answer is **42** degrees.
- The correct answer is A, D.** (4.MD.B.4) Statement A is true: the total X marks is $1 + 2 + 3 + 1 = 7$. Statement D is true: the mode is $\frac{4}{8}$ with 3 X marks (the most). The range is $\frac{5}{8} - \frac{1}{8} = \frac{4}{8}$, so B and C are false. There are only 3 X marks at $\frac{4}{8}$, not 6, so E is false.
- Choice C is correct.** (4.MD.C.5) An angle of 130 degrees is more than 90 degrees but less than 180 degrees, making it obtuse.
- The correct answer is 99 sq m.** (4.MD.A.3) Area = $11 \times 9 = 99$ sq m.
- The correct answer is $\frac{18}{6}$.** (4.NF.B.4) Lining up 9 tiles, each $\frac{2}{6}$ meter long, gives us $9 \times \frac{2}{6} = \frac{18}{6} = 3$ meters.
- Choice C is correct.** (4.OA.A.3) Two steps! Step 1: find how many pens are in the packs. $5 \times 6 = 30$. Step 2: add the old pens: $30 + 4 = 34$ pens altogether.
- Choice D is correct.** (4.NBT.B.5) Separate the place values: $8 \times (20 + 2) = 160 + 16 = 176$ cookies.
- 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.1) A value of 30 means 3×10 . The tens place is where digit $\times 10$. Answer: Tens. ✓
- 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 $\frac{4}{6} = \frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6}$.
4 copies



Hi, Math Pilot!

◇ 3 flights done in your math airplane. You have flown through smooth skies and bumpy clouds. You are a real pilot now. ◇

★ **Pilots know:** a good check before takeoff makes a smooth flight. Before each problem, do your check: read, plan, solve, verify. ★

Pilot Skills

- **Pre-Flight:** You read the question carefully.
- **Steering:** You pick the right strategy.
- **Smooth Flight:** You stay calm in long tests.
- **Landing:** You always check your final answer.

Pilot tip: on test day, take off one problem at a time. Trust your training. You earned your wings!

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

Jay Daie

Your Math Pilot

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

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SUCCESS TOMORROW!

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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.

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- ✓ Addition & Subtraction
- ✓ Multiplication & Division
- ✓ Fractions & Decimals
- ✓ Measurement & Data
- ✓ Geometry & Shapes
- ✓ Perimeter & Area
- ✓ Word Problems
- ✓ Patterns & Algebraic Thinking
- ✓ And More!



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