

8

Hawaii

Smarter Balanced

GRADE 3

MATH

PRACTICE TESTS

Standards-Aligned Review with
Mixed Practice and Answer Key



8 Full-Length
Practice Tests



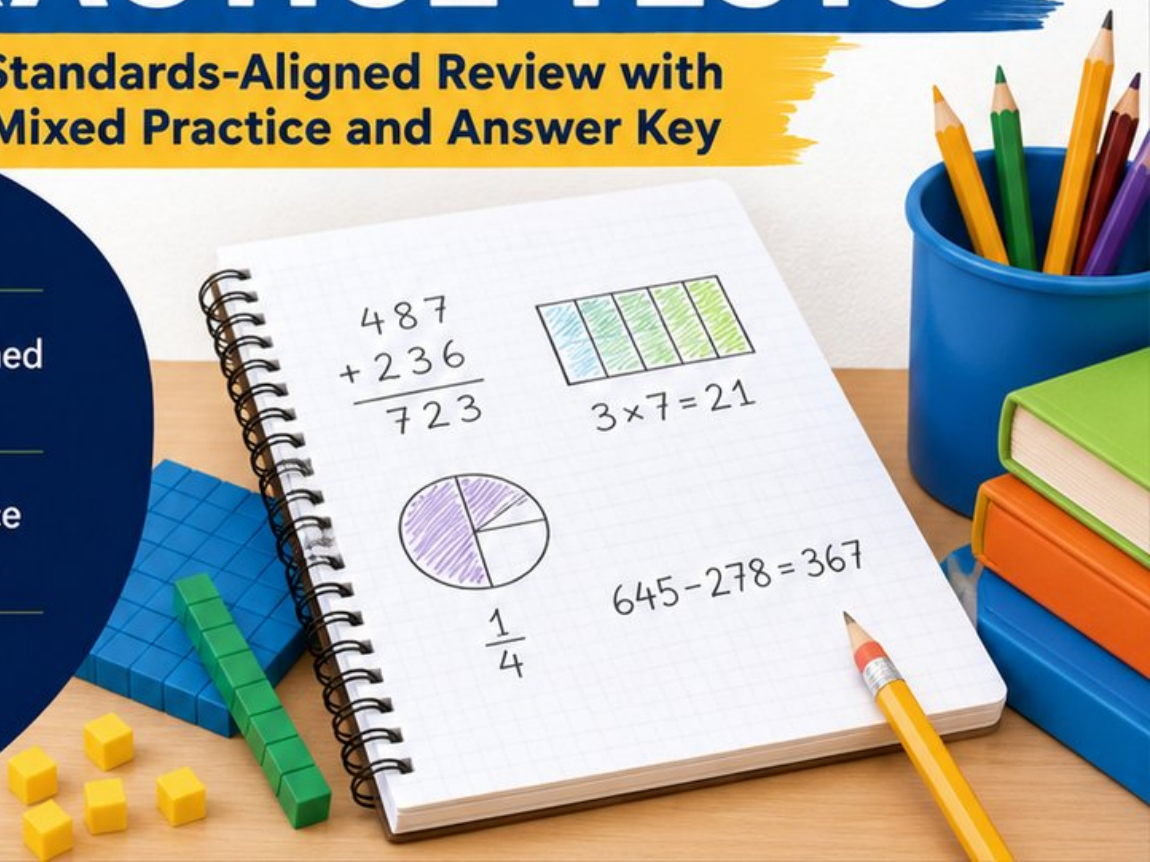
Standards-Aligned
Questions



Build Confidence
and Math Skills



Answer Key
Included



8 Hawaii Smarter Balanced Grade 3 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Eight complete 30-question practice rounds for Grade 3 math: operations, fractions, measurement, data, area, shapes, answer keys, and clear explanations for every item.

Jay Daie and Reza Nazari



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Hawaii, Your Eight-Test Math Path Begins

Eight focused rounds, one stronger Grade 3 problem solver

This book gives you eight full chances to practice like a careful test taker for the Hawaii Smarter Balanced. Each test is a new route through numbers, shapes, data, measurement, and word problems. Work slowly enough to notice what the question asks, and proudly enough to show your thinking.

Hawaii has volcano trails, island rain, ocean charts, reef patterns, and bright outdoor learning, where careful steps matter. Strong math follows that same path: notice the question, choose a tool, show the work, and notice patterns and explain what they mean.

Your Hawaii Math Promise

I will read the whole question, choose a smart strategy, write clear work, and check whether my answer makes sense.

Eight rounds. Thirty questions each. One careful step at a time.

How to Use This Book

A simple eight-round routine for confident review

Use this Hawaii book as a practice plan, not a race. Finish one test, review it, fix a few problems, then carry one better habit into the next test.

1. **Preview the reference page.** Notice units, time, and measurement facts before you begin.
2. **Take one full test.** Circle anything that feels tricky so you can return to it.
3. **Check the answer key.** Mark correct answers and questions to try again.
4. **Read explanations.** Study missed items and lucky guesses first.
5. **Redo three problems.** Write fresh work without copying the explanation.
6. **Name one habit.** Pick a focus such as labels, facts, fractions, or neat work.
7. **Try the next test.** Bring that habit forward.
8. **Finish with a final check.** Look for growth across all eight tests.

Best review habit: In Hawaii, strong practice means slowing down enough to see the clue. When an answer is wrong, ask, “What step would I change next time?”



What Is Inside the Eight Tests?

Mixed Grade 3 math practice for the Smarter Balanced

Each practice test has 30 questions. You will see multiple-choice questions, select-all questions, and open-ended questions with workspace. The mix helps students practice both choosing an answer and explaining a short mathematical result.

Part	What to Expect
Eight full tests	30 mixed Grade 3 questions in each round
Math topics	multiplication, division, place value, fractions, time, measurement, data, area, perimeter, and shapes
Answer keys	compact answer boxes for quick checking
Explanations	short reasoning for every item so mistakes become useful review
Progress pages	places to record scores, habits, and next-step goals

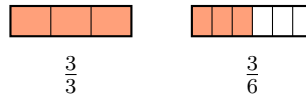
Hawaii focus: The practice path starts with volcano trails, island rain, ocean charts, reef patterns, and bright outdoor learning. Strong math uses the same idea: know the path, follow the clues, and check the final answer.



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& answers

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1)

Compare $\frac{3}{3}$ and $\frac{3}{6}$. Which is true?

A. $\frac{3}{3} < \frac{3}{6}$

C. $\frac{3}{3} = \frac{3}{6}$

B. $\frac{3}{3} > \frac{3}{6}$

D. $\frac{3}{6} > \frac{3}{3}$

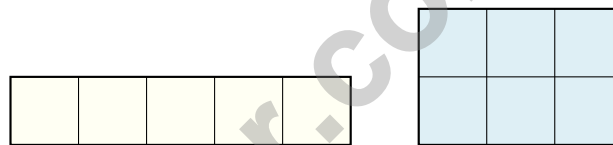
2) A long rectangle has area 60 square units. It is split vertically into two parts. One part is 4×10 . What is the area of the other part if they share the same length?

A. 40

C. 30

B. 20

D. 60



3)

Which rectangle has an area of 6 unit squares?

A. Rectangle A

C. Both have the same area

B. Rectangle B

D. Neither has an area of 6

4)

What repeated addition matches this array?

A. $4 + 3 + 3 = 10$

C. $3 + 4 = 7$

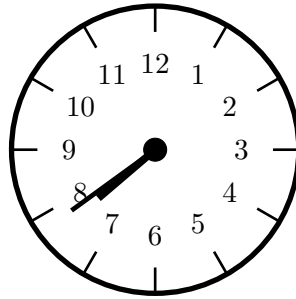
B. $3 + 3 + 3 = 9$

D. $4 + 4 + 4 = 12$



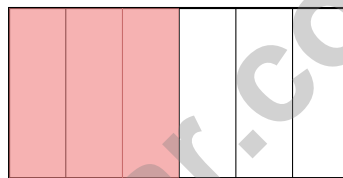
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5) What time does the clock show?



- A. 6 : 39 C. 8 : 09
 B. 7 : 50 D. 7 : 39

6) A rectangle is split into 6 equal strips. What fraction of the rectangle is 3 strips?



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

7) A line plot shows test scores: 80 points twice, 81 points once, 82 points once, and 83 points three times. How many scores occur exactly once?



- 8) A number line from 0 to 1 has 6 tick marks total, including 0 and 1. How many equal parts are there?
- A. 4 C. 6
 B. 5 D. 7
- 9) A juice box holds 200 mL. If a student drinks 3 juice boxes, how many milliliters does he drink?
- A. 200 mL C. 600 mL
 B. 400 mL D. 800 mL
- 10) A square has a side length of 5 cm. What is the area of the square?
- A. 20 cm² C. 30 cm²
 B. 10 cm² D. 25 cm²
- 11) A rectangular field is 9 meters long and 5 meters wide. How many square meters is the field?
- A. 14 square meters C. 40 square meters
 B. 45 square meters D. 28 square meters
- 12) A school buys 9 boxes of crayons. They use 4 boxes in art class. Each remaining box has 10 crayons. How many crayons are left unused?
- A. 40 C. 60
 B. 50 D. 90



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1) A 8×5 rectangle is tiled into two smaller rectangles by a horizontal line. If one rectangle is 8×3 , what is the area of the other?

A. 16

C. 40

B. 24

D. 14

2) A composite figure is divided into two parts. Part A is 8 units by 4 units. Part B is 6 units by 2 units. What is the total area?

A. 44 sq units

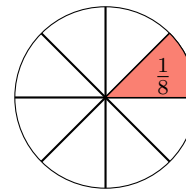
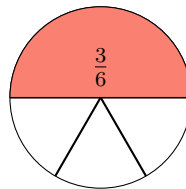
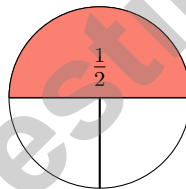
C. 32 sq units

B. 12 sq units

D. 384 sq units

3) Which is greater: $\frac{1}{2}$ or $\frac{1}{4}$?

4) Look at the pie charts. Which fraction is NOT equivalent to $\frac{1}{2}$?



A. $\frac{1}{2}$

C. $\frac{1}{8}$

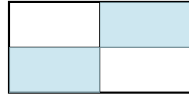
B. $\frac{3}{6}$

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

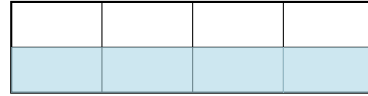


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- 5) Two rectangles are divided into equal parts and some parts are shaded. Rectangle X is divided into 4 equal parts with 2 parts shaded. Rectangle Y is divided into 8 equal parts with 4 parts shaded. Do the two rectangles have the same amount of area shaded?



Rectangle X: 2 out of 4 shaded

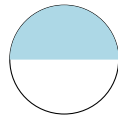
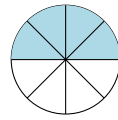
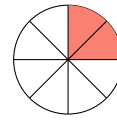


Rectangle Y: 4 out of 8 shaded

- A. Rectangle X has more area shaded C. Both have the same area shaded
 B. Rectangle Y has more area shaded D. Cannot tell by looking
- 6) Ana looks at a circle divided into 8 equal parts. One part is shaded. Ana says the shaded part is $\frac{1}{4}$. Is she correct? Explain why or why not.
- A. Yes, because $8 \div 2 = 4$ C. Yes, one part is always one-fourth
 B. No, the shaded part is $\frac{1}{8}$ D. No, the shaded part is $\frac{1}{6}$
- 7) Noah colors $\frac{2}{6}$ of a page. His friend colors $\frac{1}{3}$ of an identical page. Do they color the same amount?
- A. The pages might be different. C. Yes, same amount.
 B. No, his friend colors more. D. No, Noah colors more.
- 8) Which multiplication fact helps solve $42 \div 7$?
- A. $6 \times 7 = 42$ C. $5 \times 7 = 35$
 B. $7 \times 7 = 49$ D. $8 \times 7 = 56$



1) Which two circles show equivalent fractions?

Circle 1: $\frac{1}{2}$ Circle 2: $\frac{4}{8}$ Circle 3: $\frac{2}{8}$

- A. Circles 1 and 2 C. Circles 2 and 3
 B. Circles 1 and 3 D. All three circles
- 2) Lily has 48 beads to make bracelets. Each bracelet uses 8 beads. How many bracelets can she make?

- A. 6 C. 7
 B. 56 D. 40

2	1	6
hundreds	tens	ones

3)

The place-value chart shows the number 216. What is $216 + 384$?

- A. 600 C. 500
 B. 601 D. 610
- 4) A room is shaped like a rectangle. It is 6 meters long and 5 meters wide. What is the area of the room?
- A. 30 sq m C. 11 sq m
 B. 22 sq m D. 36 sq m



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5) Which fraction equals 7?

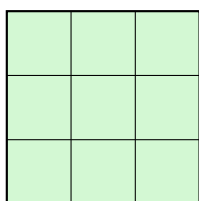
- A. $\frac{1}{7}$
 B. $\frac{7}{1}$

- C. $\frac{7}{7}$
 D. $\frac{7}{2}$

6) Complete: $\square \div 5 = 8$

- A. 35
 B. 40

- C. 45
 D. 13



7)

Count the unit squares in this grid. How many unit squares cover this shape?

- A. 6 unit squares
 B. 8 unit squares

- C. 9 unit squares
 D. 12 unit squares

8) Sam has a rectangular picture frame that is 5 inches long and 7 inches wide. What is the area of the picture frame?

- A. 35 square inches
 B. 24 square inches

- C. 12 square inches
 D. 2 square inches

9) Two students round differently. Maria says 127 rounds to 130 (nearest 10). Josh says 127 rounds to 100 (nearest 100). Are both students correct? Explain.

- A. Both are wrong; the answer is 125
 B. Maria is wrong; Josh is right
 C. Both are correct because they are rounding to different place values
 D. Josh is wrong; Maria is right



Practice Test Answer Keys

How to use this section with a Grade 3 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 B is correct.** **(3.NF.A.3d)** Three thirds is one whole. Three sixths is half. So $\frac{3}{3} > \frac{3}{6}$.
- 2) **Choice B is correct.** **(3.MD.C.7c)** One part is $4 \times 10 = 40$. Total is 60. So the other part has area $60 - 40 = 20$.
- 3) **Choice B is correct.** **(3.MD.C.5a)** Rectangle A is $5 \times 1 = 5$ unit squares. Rectangle B is $3 \times 2 = 6$ unit squares.
- 4) **Choice D is correct.** **(3.OA.A.1)** The array shows 3 rows with 4 squares in each row. This equals $4 + 4 + 4 = 12$ or $3 \times 4 = 12$.
- 5) **Choice D is correct.** **(3.MD.A.1)** The minute hand points to 39 minutes, between 7 and 8. The hour hand is between 7 and 8, closer to 8. The time is 7 : 39.
- 6) **Choice C is correct.** **(3.G.A.2)** Three out of six equal strips make $\frac{3}{6}$.
- 7) **The correct answer is 2 scores.** **(3.MD.B.4)** The scores 81 and 82 points each occur once, so there are 2 scores occurring exactly once.
- 8) **Choice B is correct.** **(3.NF.A.2a)** Six tick marks create five equal segments. The unit fraction is $\frac{1}{5}$.
- 9) **Choice C is correct.** **(3.MD.A.2)** Multiply: $3 \times 200 = 600$ mL.
- 10) **Choice D is correct.** **(3.OA.A.3)** Area of a square = side \times side = $5 \times 5 = 25$ cm².
- 11) **Choice B is correct.** **(3.MD.C.5)** Multiply length by width: $9 \times 5 = 45$ square meters.
- 12) **Choice B is correct.** **(3.OA.D.8)** Step 1: Remaining boxes: $9 - 4 = 5$ boxes. Step 2: Crayons in remaining boxes: $5 \times 10 = 50$ crayons. (Choice C is the answer to step 1 multiplied by 12; choice D is step 1 error times 10.)
- 13) **Choice D is correct.** **(3.OA.A.4)** Divide: $32 \div 4 = 8$ stickers per friend.
- 14) **Choices B and E are correct.** **(3.OA.B.5)** This problem shows the associative property. When you group factors differently, like $(4 \times 6) \times 2$ or $4 \times (6 \times 2)$, you still get the same product. Option B states the name correctly, and E restates what associative means. A is commutative (switching order), C is distributive (breaking apart a sum), and D relates to multiplying by 1.
- 15) **Choice C is correct.** **(3.NBT.A.3)** Multiply $7 \times 6 = 42$, then add one zero: $7 \times 60 = 420$.
- 16) **Choice D is correct.** **(3.OA.B.6)** $54 \div 6 = \square$ means $\square \times 6 = 54$. Since $9 \times 6 = 54$, the answer is 9.
- 17) **Choice B is correct.** **(3.MD.B.3)** Red: 4 stars $\times 2 = 8$. Blue: 2 stars $\times 2 = 4$.
- 18) **Choice B is correct.** **(3.MD.C.7)** Area = $4 \times 6 = 24$ square inches.
- 19) **Choice B is correct.** **(3.MD.C.7d)** Add all three parts: $10 + 6 + 6 = 22$ square units.
- 20) **Choice A is correct.** **(3.NF.A.3)** $\frac{1}{4}$ and $\frac{2}{8}$ both show one-quarter of a whole.
- 21) **Choice B is correct.** **(3.MD.C.5b)** $9 \times 7 = 63$ unit squares cover the tile.
- 22) **Choice D is correct.** **(3.OA.D.9)** Odd numbers increase by 2 each time: $11 + 2 = 13$.
- 23) **The correct answer is 0 right angles.** **(3.G.A.1)** A trapezoid can have no right angles.
- 24) **Choice A is correct.** **(3.MD.C.7b)** Area = length \times width = $9 \times 7 = 63$ square feet.
- 25) **Choice C is correct.** **(3.NBT.A.1)** The ones digit is 8. Since $8 \geq 5$, round up: 608 rounds to 610.
- 26) **Choice D is correct.** **(3.OA.A.2)** $12 \div 4 = 3$. The picture shows 4 equal groups, each with 3 items.
- 27) **Choice C is correct.** **(3.NF.A.3a)** $\frac{2}{8} = \frac{1}{4}$ because both equal one-quarter of the sheet.
- 28) **The correct answer is 64.** **(3.OA.C.7)** $8 \times 8 = 64$. Eight groups of 8 equals 64.
- 29) **Choice A is correct.** **(3.NBT.A.2)** Ones: $4 - 9$ requires regrouping, so $14 - 9 = 5$. Tens: $2 - 8$ requires regrouping, so $12 - 8 = 4$. Hundreds: $1 - 1 = 0$. Difference is 45.
- 30) **Choice B is correct.** **(3.NF.A.2)** Counting from left, the mark is at the 2nd tick out of 6 equal parts, so it is $\frac{2}{6}$.

Practice Test 2 Answers and Explanations



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A Quiet Word From Your Mentor

Hi, Thoughtful Student,

◇ I want to take a moment to tell you something true: you did excellent work. 8 practice tests is a real promise that you kept to yourself. That matters. ◇

★ **Mentors notice:** growth is quiet. It doesn't shout. But it shows up in how you handle a problem today vs how you did weeks ago. That growth is your real prize. ★

What I See in You

- **Hard Work:** You don't quit when problems are tough.
- **Curiosity:** You wonder why and how.
- **Kindness:** You are patient with yourself.
- **Brave Heart:** You try things that scare you.

Mentor's note: on test day, treat yourself like you would a friend. Be kind. Be patient. Be encouraging. The skills are inside you!

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

Jay Daie

Your Math Mentor

PRACTICE TODAY. MASTER TOMORROW.

This book is designed to help **Grade 3** students strengthen their math skills through focused practice and real progress.

- ✓ 8 full-length practice tests
- ✓ Aligned to Grade 3 standards
- ✓ Build confidence and achieve success



EACH PRACTICE TEST INCLUDES:



Standards-
Aligned
Questions



Variety of
Question
Types



Real-World
Math
Applications



Step-by-Step
Progress
Tracking



Build Skills
and Boost
Confidence

COVERS ALL ESSENTIAL TOPICS

- ✓ Whole Numbers & Operations
- ✓ Fractions & Decimals
- ✓ Algebraic Thinking
- ✓ Geometry
- ✓ Measurement & Data
- ✓ Number Patterns
- ✓ Word Problems
- ✓ Ratio & Proportion
- ✓ Perimeter, Area & Volume
- ✓ Graphing & Data Analysis
- ✓ And More!



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