

6

Hawaii

Smarter Balanced

GRADE 3

MATH

PRACTICE TESTS

Standards-Aligned Practice with
Review, Answer Keys, and Explanations



6 Full-Length
Practice Tests



Detailed Answer Keys
and Explanations



Master Skills.
Boost Scores.
Succeed!

6 Hawaii Smarter Balanced Grade 3 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



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

Jay Daie and Reza Nazari



Copyright ©

Testinar Inc



Published by Testinar Inc

Testinar.com

All rights reserved. No part of this publication may be reproduced, distributed, or transmitted in any form or by any means, including photocopying, recording, or other electronic or mechanical methods, without the prior written permission of the author, except in the case of brief quotations embodied in critical reviews and certain other noncommercial uses permitted by copyright law, including Section 107 or 108 of the 1976 United States Copyright Act.

This publication is independently produced and has no official connection to any state, district, or national testing program.

Test names and organizational names used herein are the property of their respective trademark holders.



Copyright ©

Welcome to the Six Skill Labs

Six full tests, six focused resets, and a stronger Grade 3 problem solver



Notice the pattern. Choose a tool. Explain the answer.

To the Grade 3 Math Builder

This book gives you six practice labs for the Hawaii Smarter Balanced. Each lab is a complete 30-question test, so students can practice accuracy, stamina, and clear mathematical thinking.

Hawaii brings volcano trails, island rain, ocean charts, and bright reef patterns. Strong math uses that same care: read the task, select a strategy, build the solution, and notice patterns and explain what they mean.

Decode

Find the question, the units, and the useful numbers.

Design

Use an equation, array, number line, graph, or sketch.

Confirm

Make sure the answer matches the question.

Six-lab promise: I will work with patience, show useful thinking, and treat corrections as part of learning.

How to Use This Book

A six-lab routine for steady Grade 3 growth

Use one practice lab at a time. The goal is not only to finish more pages. The goal is to finish, review, repair, and bring a smarter habit to the next test. For Hawaii students, each lab is a short route through volcano trails, island rain, ocean charts, and bright reef patterns: steady, alert, and ready for the next clue.

1. **Warm up.** Skim the reference materials and remind yourself of common tools.
2. **Take one test.** Work steadily and mark problems that need a second look.
3. **Check answers.** Use the compact answer keys first.
4. **Read explanations.** Study missed items and any lucky guesses.
5. **Redo two problems.** Rewrite the work cleanly without peeking.
6. **Set the next lab goal.** Choose one skill or habit to improve.

Best review habit: A mistake is most useful when you can say why it happened and what you will do differently next time.



What Is Inside?

Six complete practice tests with review support

Part	What You Do	Why It Helps
Practice Tests 1–6	Solve six different 30-question tests.	Build stamina and see Grade 3 skills mixed together.
Answer Keys	Check each answer in compact boxes.	Find mistakes quickly without losing your place.
Explanations	Read why each answer works.	Turn missed items into a clear next step.
Standards Reference	See how Hawaii Grade 3 standards connect to practice.	Understand the skills behind the questions.

Each test has 26 multiple-choice questions, 1 select-all question, and 3 open-ended questions. This gives students practice with quick decisions, careful reading, and short written math answers for the Hawaii Smarter Balanced path.

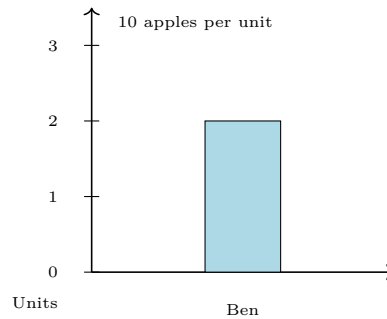


Scan me!
For more practice
& answers

Table of Contents

★ Practice Test 1	_____	14
★ Practice Test 2	_____	25
★ Practice Test 3	_____	38
★ Practice Test 4	_____	51
★ Practice Test 5	_____	62
★ Practice Test 6	_____	74
Practice Test Answer Keys	_____	86
Practice Test Answers and Explanations	_____	90

- 1) Look at the bar graph. Each mark represents 10 apples. How many apples does Ben have?



- A. 20 C. 30
 B. 25 D. 40
- 2) Lily has 2 equal pieces of a sandwich. She eats 1 piece. What fraction did she eat?
- A. $\frac{1}{4}$ C. $\frac{1}{2}$
 B. $\frac{2}{3}$ D. $\frac{1}{3}$
- 3) What is $54 \div 6$?
- A. 8 C. 10
 B. 11 D. 9
- 4) Mia baked 30 cookies and put them into 5 bags. Each bag has the same number of cookies. How many cookies are in each bag?
- A. 5 C. 7
 B. 8 D. 6



5) Which fraction is NOT equivalent to $\frac{3}{6}$?

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

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

C. $\frac{4}{8}$

D. $\frac{2}{3}$

6) A rectangle has an area of 24 square units. If the length is 6 units, what is the width?



7) Ben's blanket is a square with sides of 7 meters. What is the area of the blanket?

A. 14 sq m

B. 28 sq m

C. 42 sq m

D. 49 sq m

8) $293 + 158 = ?$

A. 451

B. 452

C. 441

D. 461

3 inches



11 inches

9)

Find the area of this rectangle.

A. 28 sq in

B. 33 sq in

C. 14 sq in

D. 66 sq in



Scan me!
For more practice
& answers

1) Round 662 to the nearest 10.

A. 660

C. 665

B. 662

D. 670

2) Ava has two ribbons. Both ribbons are the same length. She colors $\frac{3}{6}$ of one ribbon red and $\frac{1}{2}$ of the other ribbon red. Does she color the same amount on both ribbons?

A. It depends on the ribbon length.

C. Yes, both are the same.

B. No, the first ribbon has more.

D. No, the second ribbon has more.

3) Lily sees $(3 \times 2) \times 4$. She wants to find the answer using a different grouping. Which equation correctly finds the same product?

A. $3 + (2 \times 4) = 11$

C. $(3 + 2) \times 4 = 20$

B. $3 \times 2 \times 4 = 9$

D. $3 \times (2 \times 4) = 24$

4) Noah marks fractions on a number line from 0 to 2 divided into eighths. He marks $\frac{8}{8}$ and $\frac{16}{8}$. Which is larger?

A. They are equal

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

B. $\frac{16}{8}$

D. Neither; they are not on the line

5) A student drew four shapes: a square, a rhombus, a rectangle, and a trapezoid. How many of these shapes are always parallelograms?

A. 1

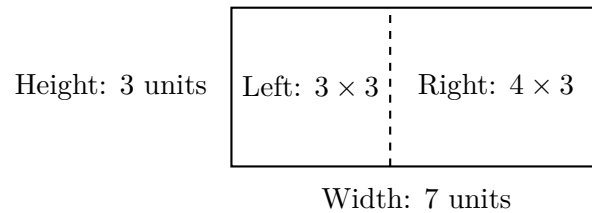
C. 3

B. 2

D. 4



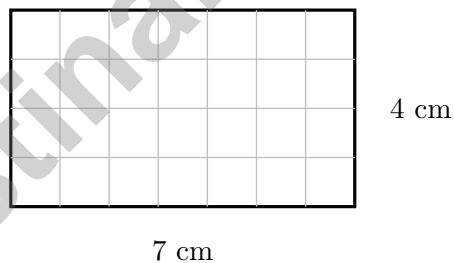
6) Look at this tiling diagram:



Which sum of the two smaller areas gives the total area?

- A. $(3 \times 3) + (4 \times 3) = 9 + 12 = 21$ C. $7 + 3 = 10$
 B. $3 \times (3 + 4) = 21$ D. $3 + 4 + 7 = 14$
- 7) Sam's swim practice starts at 4 : 30 PM and ends at 5 : 42 PM. How many minutes is the practice?

- A. 60 minutes C. 72 minutes
 B. 70 minutes D. 75 minutes



8)

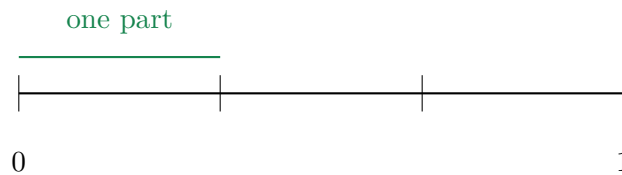
Count the grid squares to find the area.

- A. 11 sq cm C. 28 sq cm
 B. 22 sq cm D. 35 sq cm



Scan me!
For more practice
& answers

- 1) Look at this number line divided equally from 0 to 1. What is the unit fraction?

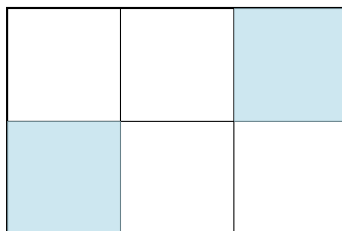


- A. $\frac{1}{3}$
 C. $\frac{1}{4}$
 B. $\frac{1}{2}$
 D. $\frac{1}{5}$
- 2) Mia colored $\frac{2}{3}$ of a circle. Write an equivalent fraction that uses 6 as the denominator.

- 3) Olivia buys 4 bags of candy with 8 pieces in each bag. She eats 12 pieces. How many pieces of candy does she have left?

- A. 20
 C. 32
 B. 25
 D. 35

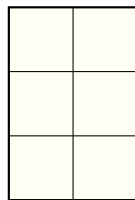
- 4) A rectangle is divided into 6 equal parts with 2 shaded. What fraction is NOT shaded?



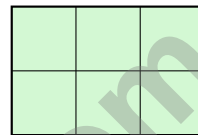
- A. $\frac{2}{6}$
 C. $\frac{1}{6}$
 B. $\frac{4}{6}$
 D. $\frac{6}{6}$



- 5) A picture graph shows apples in baskets. The key says each apple symbol represents 5 apples. Basket A has 2 symbols and Basket B has 4 symbols. How many apples are there in total in both baskets?



Y

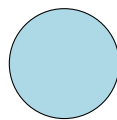


Z

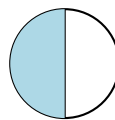
6)

Shapes Y and Z are both made of unit squares. Which is true?

- A. Y has area 6, Z has area 6 C. Y has area 4, Z has area 8
 B. Y has area 5, Z has area 5 D. Y has area 2, Z has area 3
- 7) Which pair of rectangles cannot be tiled to show a distributive property?
- A. 5×6 and 5×2 C. 3×5 and 2×4
 B. 4×8 and 4×3 D. 7×9 and 7×1
- 8) Which circle shows 1 whole?



Circle A



Circle B

- A. Circle B C. Neither
 B. Both circles D. Circle A



Scan me!
For more practice
& answers

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.

Testinar.com



Practice Test Answers and Explanations

Practice Test 1 Answers and Explanations

- 1) **Choice A is correct.** **(3.MD.B.3)** Ben's bar is 2 units tall. $2 \times 10 = 20$ apples.
- 2) **Choice C is correct.** **(3.NF.A.3)** Lily ate 1 out of 2 pieces, which is $\frac{1}{2}$.
- 3) **Choice D is correct.** **(3.OA.C.7)** $54 \div 6 = 9$ because $9 \times 6 = 54$.
- 4) **Choice D is correct.** **(3.OA.B.6)** $30 \div 5 = \square$ means $\square \times 5 = 30$. Since $6 \times 5 = 30$, there are 6 cookies in each bag.
- 5) **Choice D is correct.** **(3.NF.A.3b)** $\frac{3}{6} = \frac{1}{2}$. Choices A, B, and C are all equivalent to $\frac{1}{2}$. Only $\frac{2}{3}$ is not equivalent.
- 6) **The correct answer is 4 units.** **(3.MD.C.7)** Area = length \times width. Since $24 = 6 \times w$, the missing width is 4 units.
- 7) **Choice D is correct.** **(3.MD.C.6)** Area of a square = $7 \times 7 = 49$ square meters.
- 8) **Choice A is correct.** **(3.NBT.A.2)** Ones: $3 + 8 = 11$ (write 1, carry 1). Tens: $9 + 5 + 1 = 15$ (write 5, carry 1). Hundreds: $2 + 1 + 1 = 4$. Answer: 451.
- 9) **Choice B is correct.** **(3.MD.C.7b)** Area = length \times width = $11 \times 3 = 33$ square inches.
- 10) **Choice A is correct.** **(3.NBT.A.3)** $5 \times 70 = (5 \times 7) \times 10 = 35 \times 10 = 350$. By decomposing $70 = 7 \times 10$ and using the associative property, we see that only choice A equals 350.
- 11) **Choice A is correct.** **(3.NF.A.1)** The rectangle is divided into 4 equal parts. Even though the shading might look uneven, one complete part is shaded, which is $\frac{1}{4}$.
- 12) **Choice D is correct.** **(3.NF.A.2b)** $\frac{1}{4}$ is the 1st tick; $\frac{3}{4}$ is the 3rd tick. The distance is $3 - 1 = 2$ ticks apart.
- 13) **Choice A is correct.** **(3.MD.A.2)** 800 g is more than 500 g, so the left side is heavier.
- 14) **Choices B and C are correct.** **(3.NBT.A.1)** Numbers from 150 to 249 round to 200 when rounded to the nearest 100. Choice A (149) has tens $4 < 5$, rounds to 100. Choice B (175) has tens $7 \geq 5$, rounds up to 200. Choice C (249) has tens $4 < 5$, rounds down to 200. Choice D (251) has tens $5 \geq 5$, rounds to 300. Choice E (280) has tens $8 \geq 5$, rounds to 300.
- 15) **The correct answer is 24.** **(3.OA.B.5)** $(2 \times 3) \times 4 = 6 \times 4 = 24$.
- 16) **Choice C is correct.** **(3.NF.A.3a)** $\frac{3}{4} = \frac{6}{8}$ because both represent three-fourths of the cup.
- 17) **Choice C is correct.** **(3.G.A.2)** The rectangle is divided into 2 equal parts. One shaded part is $\frac{1}{2}$.
- 18) **Choice C is correct.** **(3.MD.C.5a)** The garden is $6 \text{ m} \times 2 \text{ m} = 12 \text{ m}^2$, which equals 12 unit squares of 1 m by 1 m.
- 19) **Choice A is correct.** **(3.OA.A.3)** Multiply: 6 baskets \times 7 apples per basket = 42 apples.
- 20) **Choice A is correct.** **(3.MD.C.7c)** Since $4 + 5 = 9$ and both parts share width 10, we use the distributive property.
- 21) **Choice D is correct.** **(3.OA.A.1)** Three bags with 6 marbles each means 3 groups of 6. So $3 \times 6 = 6 + 6 + 6 = 18$.
- 22) **Choice D is correct.** **(3.OA.D.8)** Step 1: Find the new stickers: $3 \times 8 = 24$. Step 2: Add to her original: $24 + 24 = 48$ stickers. (Choice A is just the original amount; choice B is step 1 only.)
- 23) **The correct answer is 4 equal sides.** **(3.G.A.1)** A rhombus is defined by having 4 equal sides. When that rhombus also has 4 right angles (like a rectangle), it meets the definition of a square. A square is the shape that has properties of BOTH a rhombus and a rectangle.
- 24) **Choice D is correct.** **(3.NF.A.2a)** Eighths are the smallest pieces listed, so the first tick at $\frac{1}{8}$ is closest to 0.
- 25) **Choice D is correct.** **(3.OA.A.4)** Divide: $42 \div 6 = 7$ marbles per bag. Check: $6 \times 7 = 42$.
- 26) **Choice A is correct.** **(3.NF.A.3d)** Two halves equals 1. Two fourths is less than 1. So $\frac{2}{4} < \frac{2}{2}$.
- 27) **Choice C is correct.** **(3.NF.A.2)** $\frac{6}{8}$ is 6 out of 8 equal parts, which is at the sixth tick mark from 0.
- 28) **Choice D is correct.** **(3.OA.A.2)** $12 \div 3$ asks "how many in each group when 12 items are shared equally among 3 groups?" Each group gets 4 items.
- 29) **Choice C is correct.** **(3.OA.D.9)** From 7 to 14 is $+7$; from 14 to 21 is $+7$; from 21 to 28 is $+7$.
- 30) **Choice C is correct.** **(3.NF.A.3c)** $\frac{8}{8} = 1$ whole. When numerator = denominator, you have one whole unit.

Practice Test 2 Answers and Explanations



Star Player Pep Talk

Hi, Star Player!

◇ 6 practice tests. Every one of them was a chance to grow. You took every chance. That's why you're a math star today! ◇

★ **Star players know:** confidence comes from practice. You can't fake it. You build it. You built yours over 6 tests. It's real now! ★

Star Player Stats

- **Practice:** OFF THE CHARTS!
- **Skills:** BROAD! You can do many problem types.
- **Toughness:** HIGH! You don't quit on hard problems.
- **Game Plan:** READY! You know your strategies.

Star tip: on test day, take it one play at a time. One problem. Then the next. You will earn your stars!

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

Jay Daie

Your Math Coach

Testinar.com

BUILD CONFIDENCE. MASTER MATH. ACHIEVE SUCCESS!



This **Grade 3 Math Practice Tests** book is the perfect companion for students who want to strengthen their math skills and excel in school. With **6** full-length practice tests designed to reflect real test formats, students get the practice they need to understand key concepts, build problem-solving skills, and tackle any challenge with confidence.

PERFECT FOR:

- ✓ Classroom Practice
- ✓ Homework & Review
- ✓ Test Preparation

★ **PREPARE TODAY.
SUCCEED TOMORROW!**

WHAT STUDENTS WILL GAIN:



Stronger Concepts

Reinforce key Grade 3 math skills and build a solid foundation.



Better Problem Solving

Develop critical thinking and solve problems with ease.



Test Confidence

Get familiar with test formats and reduce exam stress.



Track Progress

Measure improvement and focus on areas that matter.



Achieve Success

Build the skills and confidence to reach higher goals.

TOPICS COVERED:

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



Visit testinar.com/math5 for more Grade 3 math resources and practice materials!

PRACTICE MORE. ACHIEVE MORE.

Give your child the tools they need to succeed in math and beyond!



Aligns with Grade 3 Learning Standards



Builds Critical Thinking & Problem-Solving