

5

Hawaii

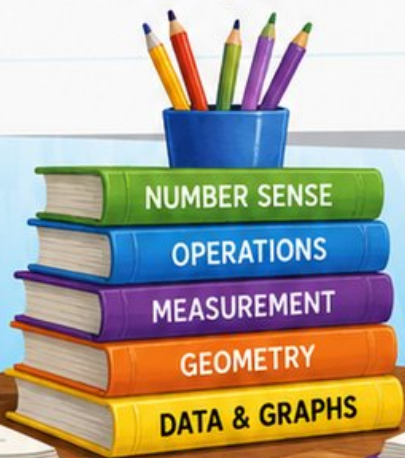
Smarter Balanced

GRADE 3

MATH

PRACTICE TESTS

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



5 FULL-LENGTH
PRACTICE TESTS



STANDARDS-
ALIGNED
PRACTICE



DETAILED
ANSWER KEYS



CLEAR
EXPLANATIONS
TO HELP YOU SUCCEED

5 Hawaii Smarter Balanced Grade 3 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Five focused 30-question checkpoints for Grade 3 math: facts, fractions, measurement, data, area, shapes, answer keys, and clear explanations for every item.

Jay Daie and Reza Nazari



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Welcome to the Five Checkpoint Quest

Five tests, five fresh starts, and one stronger Grade 3 thinker



Read. Model. Solve. Check. Grow.

To the Grade 3 Math Explorer

This book gives you five practice checkpoints for the Hawaii Smarter Balanced. Each checkpoint is a full 30-question test, so you can practice stamina, accuracy, and the habit of showing what you know.

Hawaii has island trails, volcano landscapes, ocean winds, and patterns worth noticing. Strong math uses the same kind of careful planning: look at the path, choose a tool, and check your work before moving ahead.

Notice

Circle key words, units, and numbers before you start.

Build

Use arrays, number lines, equations, tables, or sketches.

Verify

Ask, "Does this answer fit the question?"

Five-checkpoint promise: I will try each test with patience, mark my mistakes honestly, and use every correction to make the next checkpoint stronger.

How to Use This Book

A five-step routine for steady Grade 3 growth

Use one checkpoint at a time. A good pace is one test, one careful review, and one short skill tune-up before the next test.

1. **Preview the tools.** Skim the reference page and remember where multiplication, fractions, measurement, and shapes appear.
2. **Take one full test.** Work neatly. If a problem feels stuck, mark it and keep moving.
3. **Check the answer key.** Notice the question type: multiple choice, select all, or open-ended.
4. **Study explanations.** Pick two missed questions and redo them without looking.
5. **Choose the next focus.** Write one habit to carry into the next checkpoint.

Best review habit: Do not just ask, “What was the answer?” Ask, “What clue did I miss, and what tool should I try next time?”



What Is Inside?

Five complete practice tests with review support

Part	What You Do	Why It Helps
Practice Tests 1–5	Solve five different 30-question tests.	Build stamina and see many Grade 3 skills mixed together.
Answer Keys	Check each answer in compact boxes.	Find mistakes quickly without losing your place.
Explanations	Read the reason behind each answer.	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. That mix gives students practice with quick choices, careful reasoning, and short written answers.



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& answers

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1) A baker has 42 cookies to pack equally into 6 bags. After packing 2 bags, how many cookies are left in the remaining bags? Let c represent the cookies in the remaining bags. Which equation shows the correct steps?

A. $c = 42 \div 6 \times 4$

C. $c = 42 - 2 \times 6$

B. $c = (42 \div 6) \times (6 - 2)$

D. $c = 6 \times 2 - 42$

2) How many sides does a rhombus have, and are they all equal?

 A. 3 sides, all equal

 C. 5 sides, all equal

 B. 4 sides, some equal

 D. 4 sides, all equal

3) Which fraction is equivalent to $\frac{1}{2}$?

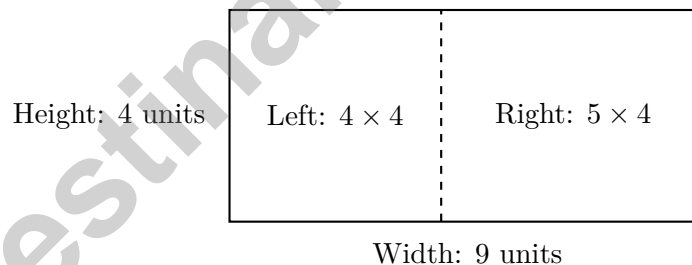
A. $\frac{1}{4}$

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

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

D. $\frac{1}{3}$

4) This rectangle is split by a vertical line:



Which is the correct distributive property equation?

A. $4 \times (4 + 5) = (4 \times 4) + (4 \times 5) =$

C. $(4 \times 4) + (5 \times 4) = 16 + 20 = 36$

$$16 + 20 = 36$$

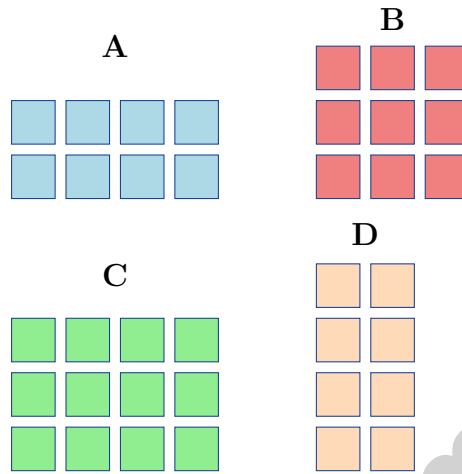
D. $(4 + 5) \times 4 = 36$

B. $9 + 4 = 13$



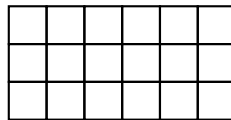
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5) Which array shows 4×3 ?



6) What fraction is the third tick on a number line split into 6 equal parts?

7) Noah is counting unit squares on a tiled wall pattern. The wall displays this arrangement:



What is the total area covered?

- A. 9 sq units
- C. 18 sq units
- B. 15 sq units
- D. 24 sq units

8) Find the missing number: $? + 256 = 781$. What is the missing addend?

9) Two identical ribbons. Ribbon A shows $\frac{1}{2}$ colored red. Ribbon B shows $\frac{3}{6}$ colored red. Which statement is true?

- A. Ribbon A has more red. C. Both have the same amount of red.
 B. Ribbon B has more red. D. Cannot tell.

10) A pizza is cut into 9 equal slices. If 3 friends share the pizza equally, how many slices does each friend get?

- A. 3 C. 12
 B. 6 D. 27

11) How many unit squares (1 in. \times 1 in.) cover a 3 in. by 6 in. rectangle?

- A. 9 unit squares C. 18 unit squares
 B. 12 unit squares D. 24 unit squares

12) A sack of potatoes weighs 10 kg. A basket of carrots weighs 3000 g. Which weighs more?

- A. Potatoes C. They weigh the same
 B. Carrots D. Cannot determine



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1) Ava is decorating her bedroom wall with a rectangular poster. The poster is 11 inches wide and 9 inches tall. What is the area of the poster?

A. 99 sq in

C. 20 sq in

B. 40 sq in

D. 110 sq in

2) A park is shaped like a rectangle. It is 10 feet long and 8 feet wide. How many square feet is the park?

A. 18 square feet

C. 80 square feet

B. 36 square feet

D. 60 square feet

3) Mia buys stickers in packs of 10. She buys 1 pack, then 2 packs, then 3 packs, then 4 packs.

How many stickers does she have with 4 packs?

A. 10

C. 30

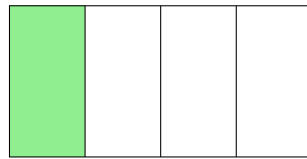
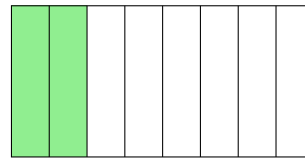
B. 20

D. 40

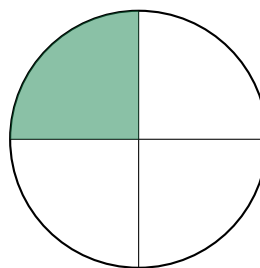
4) What is 6×4 ?



- 5) Two identical rectangular gardens are shown. Garden 1 has $\frac{1}{4}$ planted with flowers. Garden 2 has $\frac{2}{8}$ planted with flowers. Do the flower sections cover the same area?

Garden 1: $\frac{1}{4}$ flowersGarden 2: $\frac{2}{8}$ flowers

- A. The gardens are different sizes. C. No, Garden 1 has more.
 B. No, Garden 2 has more. D. Yes, same amount.
- 6) Eli goes to bed at 9 : 23 PM. He sleeps for 9 hours and 37 minutes. What time does Eli wake up?
- A. 6 : 00 AM C. 7 : 15 AM
 B. 7 : 00 AM D. 6 : 45 AM
- 7) Two students are solving 3×6 . Amelia says the answer is 18. James says the answer is 9. Who is correct?
- A. They are both incorrect C. They are both correct
 B. James is correct D. Amelia is correct
- 8) A pizza circle is divided into equal parts. Mia takes 1 part and it is $\frac{1}{4}$ of the pizza. How many equal parts is the pizza divided into?



- A. 2 parts C. 4 parts
 B. 3 parts D. 6 parts



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1) Round 893 to the nearest 100.

- A. 800 C. 893
 B. 890 D. 900

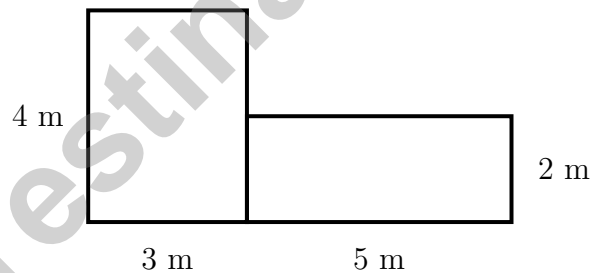
2) Lily starts playing at 2 : 18 PM. She plays for 44 minutes. What time does Lily stop playing?

- A. 3 : 00 PM C. 3 : 12 PM
 B. 3 : 02 PM D. 2 : 58 PM

3) Which list does NOT follow a skip-counting pattern that adds the same amount each time?

- A. 5, 10, 15, 20, 25 C. 2, 4, 6, 8, 10
 B. 3, 6, 9, 12, 15 D. 1, 2, 4, 7, 11

4) Sam's bedroom is shaped like an L. One part is 3 m long and 4 m wide. The other part is 5 m long and 2 m wide. What is the total area of his bedroom?



- A. 12 sq m C. 22 sq m
 B. 10 sq m D. 120 sq m



5) Look at the equation: $5 \times 6 = 30$. Which division equation is in the same fact family?

A. $36 \div 6 = 6$

C. $30 \div 6 = 6$

B. $30 \div 4 = 7$

D. $30 \div 5 = 6$

6) A rectangular mirror is 6 inches wide and 9 inches tall. How much area does the mirror cover?

A. 30 sq in

C. 54 sq in

B. 108 sq in

D. 15 sq in

7) Which pair of dimensions creates a rectangle with area 8 unit squares?

A. 2 by 3

C. 2 by 2

B. 2 by 4

D. 3 by 3

8) Look at these two rectangles. Rectangle A is 6 units by 2 units. Rectangle B is 3 units by 4 units. Which has the greater area?



Rectangle A

6×2



Rectangle B

3×4

A. Rectangle A

C. Cannot determine

B. Rectangle B

D. They are equal



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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.OA.D.8)** Step 1: Cookies per bag: $42 \div 6 = 7$ cookies. Step 2: Remaining bags: $6 - 2 = 4$ bags. Total in remaining: $7 \times 4 = 28$ cookies. Choice B is clearest with parentheses.
- 2) **Choice D is correct.** **(3.G.A.1)** A rhombus is a quadrilateral with 4 sides that are all equal in length. This is the defining characteristic of a rhombus.
- 3) **Choice B is correct.** **(3.NF.A.3)** $\frac{1}{2}$ and $\frac{2}{4}$ represent the same amount. Both show half of a whole.
- 4) **Choice A is correct.** **(3.MD.C.7c)** Height is 4, widths are 4 and 5, totaling 9. Distributive property: $4 \times (4 + 5) = 4 \times 9 = 36$.
- 5) **Choice C is correct.** **(3.OA.B.5)** An array for 4×3 has 4 columns and 3 rows. Option C shows the correct array.
- 6) **The correct answer is $\frac{3}{6}$.** **(3.NF.A.2)** The third tick out of 6 equal parts is $\frac{3}{6}$.
- 7) **Choice C is correct.** **(3.MD.C.5b)** 6 units wide by 3 units tall: $6 \times 3 = 18$ square units.
- 8) **The correct answer is 525.** **(3.NBT.A.2)** Subtract to find the missing addend: $781 - 256 = 525$. Check: $525 + 256 = 781$.
- 9) **Choice C is correct.** **(3.NF.A.3a)** $\frac{1}{2} = \frac{3}{6}$ because both represent one-half of the ribbon.
- 10) **Choice A is correct.** **(3.OA.A.3)** Divide: $9 \div 3 = 3$ slices per friend.
- 11) **Choice C is correct.** **(3.MD.C.5a)** A 3 in. \times 6 in. rectangle contains $3 \times 6 = 18$ unit squares of 1 in. each.
- 12) **Choice A is correct.** **(3.MD.A.2)** 10 kg = 10000 g, which is more than 3000 g.
- 13) **Choices B and C are correct.** **(3.MD.C.7b)** Area of a rectangle = length \times width = $8 \times 5 = 40$ square feet. Choice E is false because 8×5 equals 40, not 45. Perimeter is found by adding all four sides.
- 14) **Choice B is correct.** **(3.MD.C.7)** The grid has 4 columns and 5 rows. Area = $4 \times 5 = 20$ square inches. You can also add: $4 + 4 + 4 + 4 + 4 = 20$ (five rows of four).
- 15) **Choice B is correct.** **(3.MD.C.7d)** Find each rectangle: top is $5 \times 3 = 15$ sq m; bottom is $4 \times 2 = 8$ sq m. Total: $15 + 8 = 23$ sq m.
- 16) **Choice C is correct.** **(3.NBT.A.1)** For 245: tens digit is $4 < 5$, rounds to 200. For 255: tens digit is $5 \geq 5$, rounds to 300. So 255 becomes the larger rounded number ($300 > 200$).
- 17) **The correct answer is 240.** **(3.NBT.A.3)** $3 \times 8 = 24$, then add one zero to get 240: $3 \times 80 = 240$.
- 18) **Choice B is correct.** **(3.MD.C.5)** The shaded rectangle is 4 units wide and 3 units tall. $4 \times 3 = 12$ square units.
- 19) **Choice D is correct.** **(3.MD.B.3)** Pile 1: $4 \times 3 = 12$. Pile 2: $5 \times 3 = 15$. Total: $12 + 15 = 27$.
- 20) **Choice A is correct.** **(3.G.A.2)** If 2 out of 3 parts are shaded, then 1 part is not shaded, which is $\frac{1}{3}$.
- 21) **Choice D is correct.** **(3.OA.A.1)** The rectangle has 3 columns and 2 rows of equal parts. So $3 \times 2 = 6$ parts in total.
- 22) **Choice A is correct.** **(3.NF.A.2a)** The first and only tick mark on a line divided into 2 parts is at $\frac{1}{2}$.
- 23) **Choice D is correct.** **(3.OA.A.4)** Divide: $18 \div 2 = 9$. Each box weighs 9 units. Check: $2 \times 9 = 18$.
- 24) **Choice B is correct.** **(3.MD.C.7a)** Multiply length \times width: $4 \times 3 = 12$ tiles. Shows tiling result matches multiplication.
- 25) **Choice B is correct.** **(3.NF.A.3d)** Two halves is one whole. Two sixths is less than one whole. So $\frac{2}{2} > \frac{2}{6}$.
- 26) **Choice B is correct.** **(3.NF.A.3b)** The numerator was multiplied by 2 (from 1 to 2). Multiply the denominator by 2: $3 \times 2 = 6$. So $\frac{1}{3} = \frac{2}{6}$.
- 27) **Choice D is correct.** **(3.MD.B.4)** The largest count is 4 X's at $1\frac{1}{2}$ ounces. Some marks have 0 X's. The difference is $4 - 0 = 4$.
- 28) **Choice A is correct.** **(3.OA.A.2)** Measurement division: Divide 24 by 3 to find how many groups of 3 fit in 24. The answer is 8 groups.
- 29) **Choice A is correct.** **(3.OA.B.6)** The fact family for $3 \times 8 = 24$ includes the related divisions $24 \div 3 = 8$ and $24 \div 8 = 3$.
- 30) **Choice C is correct.** **(3.MD.A.1)** $4 : 07 + 18 \text{ min} = 4 : 25 \text{ PM}$.

Practice Test 2 Answers and Explanations



A Quiet Word From Your Mentor

Hi, Thoughtful Student,

◇ I want to take a moment to tell you something true: you did excellent work. 5 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

Build Skills. Boost Confidence. Excel in Grade 3 Math!

This book provides 5 full-length Grade 3 math practice tests that follow standards and help students achieve real results.



5 Full-Length Practice Tests

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Standards-Aligned Practice

Questions match Grade 3 math standards and key skills.



Answer Keys & Explanations

Detailed answers that show steps and clear reasoning.



Review & Master Skills

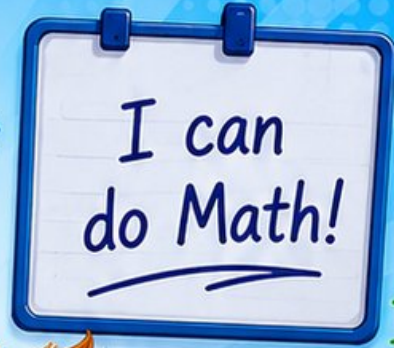
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and practice materials!



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

$$\begin{array}{r} 36 \\ \div 4 = 9 \end{array}$$

$$\begin{array}{r} 452 \\ -178 \\ \hline = 274 \end{array}$$



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to Succeed in Grade 3 Math!



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Test
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