

5 Wyoming

WY TOPP

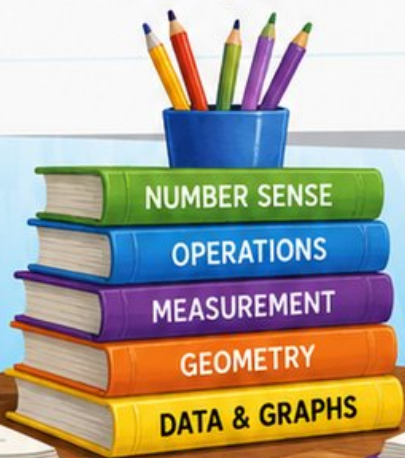
GRADE 3

MATH

PRACTICE TESTS

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

$$24 \div 3 = 8$$



5 FULL-LENGTH
PRACTICE TESTS



STANDARDS-
ALIGNED
PRACTICE



DETAILED
ANSWER KEYS



CLEAR
EXPLANATIONS
TO HELP YOU SUCCEED

5 Wyoming WY-TOPP 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 Wyoming WY-TOPP. Each checkpoint is a full 30-question test, so you can practice stamina, accuracy, and the habit of showing what you know.

Wyoming has open ranges, geyser paths, mountain views, and space that rewards careful observation. 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 Wyoming 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.

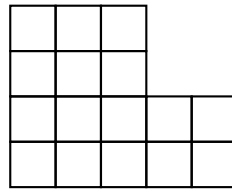


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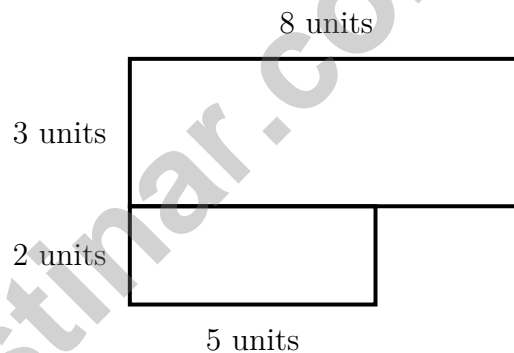
★ Practice Test 1	_____	15
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- 1) This composite figure is shaped like an "L" made of unit squares:



Count all the unit squares in this L-shaped figure. How many are there?

- A. 8 unit squares C. 16 unit squares
 B. 12 unit squares D. 20 unit squares
- 2) An L-shaped terrace is divided by dashed lines. The top rectangle is 8 units by 3 units. The bottom rectangle is 5 units by 2 units. What is the total area?

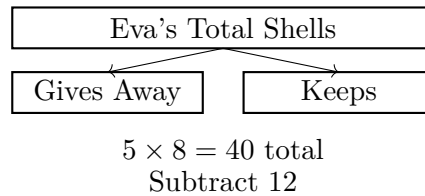


- A. 24 sq units C. 34 sq units
 B. 10 sq units D. 240 sq units
- 3) Mia breaks apart 8×6 into smaller pieces: $8 \times (3 + 3)$. What does this show?
- A. Commutative property C. Identity property
 B. Associative property D. Distributive property



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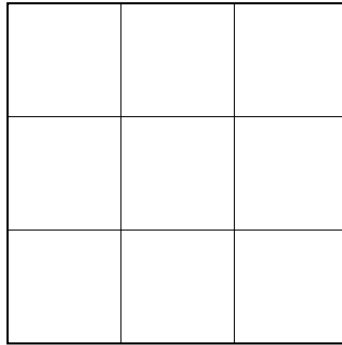
- 4) Eva collects 5 bags with 8 shells in each bag. She gives away 12 shells to her friend. How many shells does Eva keep?



- A. 12 C. 28
 B. 24 D. 40
- 5) Aiden calculated $2 \times 70 = 1400$. What is the CORRECT answer and what error did Aiden make?
- A. The correct answer is 140; Aiden added two zeros instead of one. C. The correct answer is 9; Aiden subtracted instead of multiplying.
 B. The correct answer is 140; Aiden multiplied wrong. D. The correct answer is 27; Aiden forgot the zero.
- 6) Tom's teacher asked him to match 8×2 to a picture. Which picture is correct?
- A. Eight rows of 8 objects each D. Eight separate groups with 2 objects in each
 B. Two rows of seven objects each
 C. A single group of ten objects
- 7) Ben starts his chores at 3 : 14 PM. He finishes at 3 : 56 PM. How long does Ben do chores?
- A. 38 minutes C. 42 minutes
 B. 40 minutes D. 45 minutes



- 8) A square is divided into a 3×3 grid (2 horizontal and 2 vertical lines making 9 equal small squares). What fraction is one small square?



- A. $\frac{1}{6}$ C. $\frac{1}{9}$
 B. $\frac{1}{8}$ D. $\frac{1}{4}$
- 9) Find $27 \div 3$. (Hint: Think of a multiplication fact: $\square \times 3 = 27$)

- 10) Which statement is true about the products of even and odd numbers?

- A. Even \times odd is always odd C. Even \times odd is always even
 B. Even \times even is always odd D. Odd \times odd is always even



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1) A rectangular picture has an area of 35 square centimeters. Which dimensions could make this area?

A. 5 cm and 7 cm

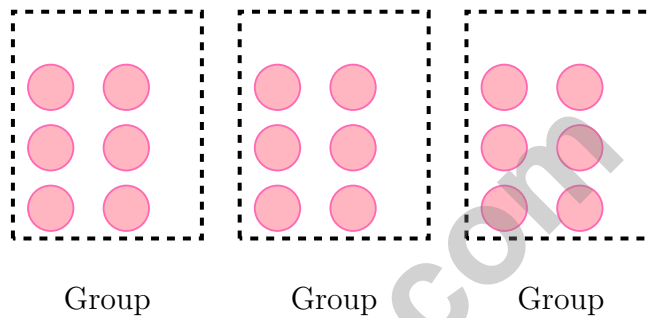
C. 4 cm and 8 cm

B. 5 cm and 6 cm

D. 6 cm and 6 cm

2) Which number sentence matches the picture?

18 items in 3 groups



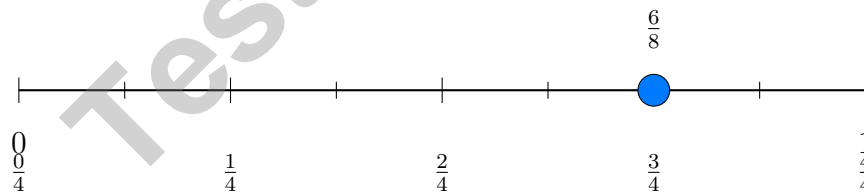
A. $18 \div 3 = 6$

C. $18 \div 2 = 9$

B. $18 \div 9 = 2$

D. $3 + 6 = 9$

3) Look at the number line. Which fraction equals $\frac{3}{4}$?



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

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

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

D. $\frac{3}{4}$



4) In a multiplication table, the diagonal shows: $1 \times 1 = 1$, $2 \times 2 = 4$, $3 \times 3 = 9$,
 $4 \times 4 = 16$.

What is 5×5 ?

A. 20

C. 25

B. 24

D. 30

5) $418 + 275 = ?$

A. 693

C. 683

B. 792

D. 783

6) There are 3 tables. Each table has 9 children sitting at it. How many children are there altogether?

A. 6

C. 30

B. 12

D. 27



7)

Which symbol makes this true? $\frac{1}{3}$ _____ $\frac{1}{6}$

A. <

C. =

B. >

D. \neq

8) An L-shaped garden is divided into two rectangles. One rectangle has length 6 m and width 4 m. The other has length 5 m and width 3 m. Find the total area of the garden.



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1) Ben shares 35 toy blocks equally among 7 friends. How many blocks does each friend get?

A. 4

C. 28

B. 42

D. 5

2) A chocolate bar is divided into 4 equal pieces. What fraction is one piece?



3) Which fraction is NOT equivalent to $\frac{3}{4}$?

A. $\frac{6}{8}$

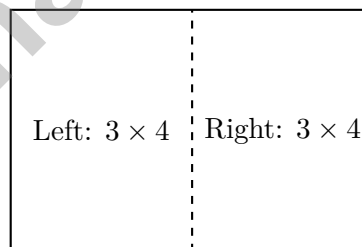
C. $\frac{4}{8}$

B. $\frac{9}{12}$

D. $\frac{12}{16}$

4) Look at this rectangle split by a vertical line:

Height: 4 units



Width: 6 units

Which distributive equation matches?

A. $4 \times (3 + 3) = 4 \times 6 = 24$

C. $4 \times 3 \times 3 = 36$

B. $3 + 3 + 4 = 10$

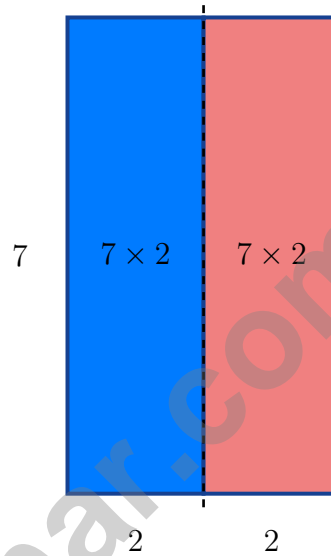
D. $6 + 4 = 10$



5) Which sentence is true?

- A. A 5×2 rectangle has area 14 C. A 4×2 rectangle has area 8
 B. A 3×3 rectangle has area 6 D. A 6×6 rectangle has area 12

6) Lily splits 7×4 as $7 \times (2 + 2)$. Which statement describes the area model?



- A. Two parts labeled 7×2 and 7×2 C. Two parts labeled 7×3 and 7×1
 B. One part labeled $7 + 4$ D. Four parts labeled $2 + 2 + 2 + 2$
- 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



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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

- Choice C is correct.** **(3.MD.C.5b)** Count the left tall part: 3 columns and 4 rows = $4 + 4 + 4 = 12$ unit squares. Count the right bottom part: 2 columns and 2 rows = $2 + 2 = 4$ unit squares. Total: $12 + 4 = 16$ unit squares in this L-shaped figure.
- Choice C is correct.** **(3.MD.C.7d)** Top: $8 \times 3 = 24$ sq units. Bottom: $5 \times 2 = 10$ sq units. Total: $24 + 10 = 34$ sq units.
- Choice D is correct.** **(3.OA.B.5)** Breaking apart a factor into a sum shows the distributive property: $8 \times 6 = 8 \times (3 + 3) = 8 \times 3 + 8 \times 3 = 24 + 24 = 48$.
- Choice C is correct.** **(3.OA.D.8)** Step 1: Total shells: $5 \times 8 = 40$ shells. Step 2: Subtract given away: $40 - 12 = 28$ shells kept.
- Choice A is correct.** **(3.NBT.A.3)** $2 \times 70 = 2 \times 7 \times 10 = 14 \times 10 = 140$. You only add ONE zero when multiplying by a multiple of 10. Aiden added two zeros by mistake, getting 1400 instead.
- Choice D is correct.** **(3.OA.A.1)** 8×2 means 8 groups of 2 objects each, for a total of 16 objects.
- Choice C is correct.** **(3.MD.A.1)** From 3 : 14 to 3 : 56: $56 - 14 = 42$ minutes.
- Choice C is correct.** **(3.G.A.2)** Nine equal parts means each part is $\frac{1}{9}$ of the whole square.
- The correct answer is 9.** **(3.OA.B.6)** $27 \div 3 = 9$ because $9 \times 3 = 27$. Division is the inverse of multiplication. To solve the division, we find the missing factor in the related multiplication fact.
- Choice C is correct.** **(3.OA.D.9)** An even number times any other whole number is always even, because the result is a multiple of 2.
- Choice B is correct.** **(3.MD.C.7c)** Add the two areas: $3 \times 6 = 18$ and $3 \times 4 = 12$, total is 30 square units.
- Choice A is correct.** **(3.MD.C.5)** Rectangle A: $2 \times 9 = 18$ square units. Rectangle B: $3 \times 6 = 18$ square units. They are equal, so the difference is 0.
- Choice A is correct.** **(3.NF.A.3b)** Both strips show the same amount shaded. $\frac{2}{4} = \frac{1}{2}$ because $\frac{1 \times 2}{2 \times 2} = \frac{2}{4}$.
- Choice A is correct.** **(3.NF.A.2a)** Five equal parts means each part is $\frac{1}{5}$.
- Choices A, B, and C are correct.** **(3.MD.C.6)** Strategies A, B, and C all use repeated addition (skip-counting) to count all 15 unit squares. D counts only one row, and E adds the sides (which is perimeter, not area).
- Choice B is correct.** **(3.MD.A.2)** $3 \text{ L} = 3000 \text{ mL}$. Subtract: $3000 - 1500 = 1500 \text{ mL}$.
- Choice B is correct.** **(3.NF.A.3)** On the number line, $\frac{2}{6}$ and $\frac{1}{3}$ mark the same point.
- The correct answer is 1 inch.** **(3.MD.B.4)** Range = max - min = $8 - 7 = 1$ inch.
- Choice D is correct.** **(3.OA.A.4)** The fact family uses the numbers 3, 9, and 27. The equation $27 \div 6 = 4$ uses 6, which is not in this fact family.
- Choice C is correct.** **(3.NF.A.2)** Starting at $\frac{3}{8}$ and moving 2 parts right means $3 + 2 = 5$, so you are at $\frac{5}{8}$.
- Choice A is correct.** **(3.NF.A.3d)** Same numerator (5): sixths are bigger pieces than eighths. So $\frac{5}{6} > \frac{5}{8}$. Ben ran farther.
- Choice B is correct.** **(3.NF.A.3c)** Any whole number n equals $\frac{n}{1}$. So $7 = \frac{7}{1}$.
- Choice D is correct.** **(3.NBT.A.1)** The tens digit is 9. Since $9 \geq 5$, round up: 893 rounds to 900.
- Choice B is correct.** **(3.MD.C.7b)** Area = length \times width = $8 \times 2 = 16$ square feet.
- Choice C is correct.** **(3.MD.B.3)** Team A: $2 \times 2 = 4$. Team B: $3 \times 2 = 6$. Team C: $1 \times 2 = 2$. Total: $4 + 6 + 2 = 12$.
- The correct answer is 2.** **(3.NF.A.3a)** $\frac{1}{3}$ is equivalent to $\frac{2}{6}$.
- Choice D is correct.** **(3.OA.A.2)** $18 \div 6 = 3$. The picture shows 6 equal groups, each with 3 items.
- Choice B is correct.** **(3.MD.C.7)** Area = $9 \times 4 = 36$ square meters.
- Choice B is correct.** **(3.MD.C.5a)** A unit square by definition has side length 1 unit. In centimeters, that is 1 cm by 1 cm, giving area $1 \text{ cm} \times 1 \text{ cm} = 1$ square cm.
- Choice D is correct.** **(3.OA.A.3)** Multiply: 6 rows \times 9 trees per row = 54 trees.



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Hi, Brave Explorer!

◇ What a trip! You explored 5 full tests. You went to many math places: multiplication, fractions, area, time, and more. ◇

★ **Smart explorers know:** every trip teaches something. Through 5 tests, you learned a lot. You are a stronger math explorer now. ★

Your Explorer Tools

- **Map Reading:** You read problems carefully.
- **Trail Skills:** You take steps in the right order.
- **Backpack:** You have many math tools.
- **Brave Heart:** You explore even hard problems.

Explorer tip: on test day, use the tools you packed. You have the skills. You are ready!

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

Jay Daie

Your Math Trail Guide

Testinar.com

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

Realistic tests to build stamina and familiarity.



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

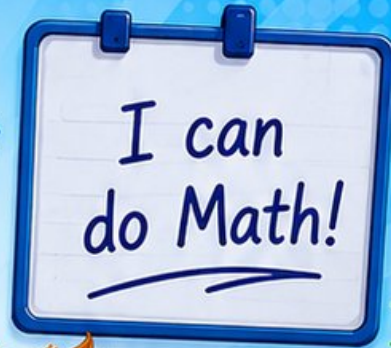
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- ✓ Time & Money
- ✓ Data & Graphs
- ✓ Word Problems
- ✓ And More!



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and practice materials!



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

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

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



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to Succeed in Grade 3 Math!



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Learning



Homework
Support



Test
Preparation



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& Review