

# 7 Wyoming

## WY TOPP

### Grade 3 MATH

### PRACTICE TESTS

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



7 Full-Length Practice Tests



Standards-Aligned Math Practice

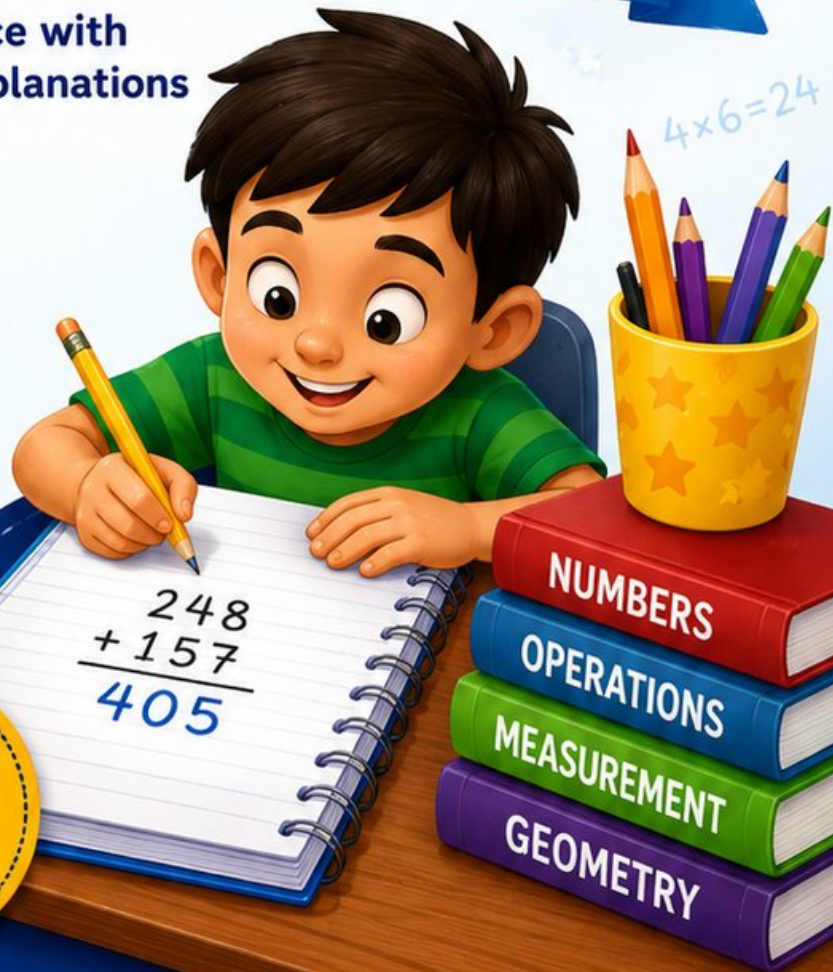


Detailed Answer Keys and Explanations



Build Confidence. Achieve Success.

PREPARE  
PRACTICE  
SUCCEED



# 7 Wyoming WY-TOPP Grade 3 Math Practice Tests

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



Seven complete 30-question practice trails 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](http://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 Seven Math Trails

Seven full tests, seven fresh chances, and one braver Grade 3 thinker



Read the trail. Mark the clues. Solve with care.

## To the Grade 3 Math Trail Leader

This book gives you seven complete practice trails for the Wyoming WY-TOPP. Each trail is a full 30-question test, so students can practice accuracy, stamina, and clear explanations over time.

Wyoming has open ranges, geyser paths, mountain passes, wide blue skies, and quiet problem-solving space, where careful steps matter. Strong math follows that same path: notice the question, choose a tool, show the work, and give every problem room for clear thinking.

### Scout

Find what the problem is asking before you calculate.

### Solve

Pick an equation, model, array, graph, or number line.

### Prove

Check the answer and explain the thinking clearly.

**Seven-trail promise:** I will work with patience, use my scratch space wisely, and let every correction make my next test stronger.

# How to Use This Book

## A seven-trail routine for steady Grade 3 growth

Use one practice trail at a time. The goal is not to rush through more pages. The goal is to finish, check, repair, and bring a stronger habit to the next test. For Wyoming students, each trail moves through open ranges, geyser paths, mountain passes, wide blue skies, and quiet problem-solving space: steady, alert, and ready for the next clue.

1. **Preview the tools.** Skim the reference page before each test.
2. **Take one test.** Work steadily and mark problems that need another look.
3. **Check the key.** Use the compact answer boxes first.
4. **Study explanations.** Read missed items and lucky guesses.
5. **Redo three problems.** Rewrite the work cleanly without copying.
6. **Name one habit.** Choose a focus such as labels, facts, fractions, or checking.
7. **Start the next trail.** Bring that habit into the next full test.

**Best review habit:** A missed problem is a trail marker. It shows where to slow down, look again, and choose a better step.



## What Is Inside?

Seven complete practice tests with review support

| Part                | What You Do  | Why It Helps  |
|---------------------|--|---|
| Practice Tests 1–7  | Solve seven different 30-question tests.               | Build stamina and see Grade 3 skills mixed together.    |
| Reference Materials | Review measurement and time facts before each test.    | Keep common tools close without turning pages backward. |
| 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 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. This gives students practice with quick decisions, careful reading, and short written math answers for the Wyoming WY-TOPP path.



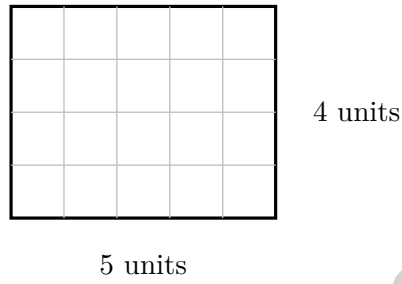
Scan me!  
For more practice  
& answers

# Table of Contents

|   |       |            |
|---|-------|------------|
| ★ Practice Test 1                             | _____ | 14         |
| ★ Practice Test 2                             | _____ | 26         |
| ★ Practice Test 3                             | _____ | 38         |
| ★ Practice Test 4                             | _____ | 51         |
| ★ Practice Test 5                             | _____ | 64         |
| ★ Practice Test 6                             | _____ | 75         |
| ★ Practice Test 7                             | _____ | 88         |
| <b>Practice Test Answer Keys</b>              | _____ | <b>99</b>  |
| <b>Practice Test Answers and Explanations</b> | _____ | <b>104</b> |

1) A rectangle has a length of 10 inches and a width of 6 inches. How many square inches is this rectangle?

- A. 16 square inches                       C. 60 square inches  
 B. 32 square inches                       D. 30 square inches



2)

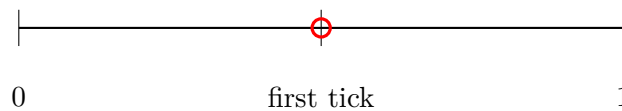
Count the unit squares. What is the area of the rectangle above?



3) Which statement is true?

- A.  $\frac{14}{7} = 1$                                        C.  $\frac{14}{7} = 7$   
 B.  $\frac{14}{7} = 2$                                        D.  $\frac{14}{7} = 14$

4) A number line shows 0 and 1 divided in half (into 2 equal parts). The first tick mark is at which fraction?



- A.  $\frac{1}{2}$  (the unit fraction)                       C.  $\frac{2}{2}$  (the whole)  
 B.  $\frac{1}{3}$  (wrong denominator)                       D.  $\frac{1}{4}$  (too many parts)



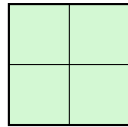
5) What is  $6 \times 7$ ?

A. 36

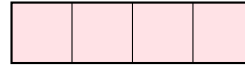
B. 54

C. 48

D. 42



M



N

6)

Shape M is a 2-by-2 square. Shape N is a 4-by-1 rectangle. How many more unit squares does one have?

A. Shape M has 0 more (they are equal)

B. Shape M has 1 more

C. Shape N has 1 more

D. They cannot be compared

7) Which fraction is the same as  $\frac{3}{6}$ ?

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

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

C.  $\frac{2}{6}$

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

8) Sam plants 7 rows of tomato seeds with 8 seeds in each row. Some seeds do not grow and only 50 seeds sprout. How many seeds did not sprout?

A. 6

B. 8

C. 15

D. 56



Scan me!  
For more practice  
& answers

- 9) The perimeter of a rectangle is 44 cm. If the width is 7 cm, what is the length?



- 10)  $293 + 158 = ?$

- A. 451                       C. 441  
 B. 452                       D. 461

- 11) A pizza is cut into 3 equal slices. Noah eats one slice. What fraction of the pizza does Noah eat?

- A.  $\frac{2}{3}$                        C.  $\frac{1}{2}$   
 B.  $\frac{1}{3}$                        D.  $\frac{3}{1}$

- 12) Mia covers a 2 by 8 rectangle with unit square tiles. Here is the grid:

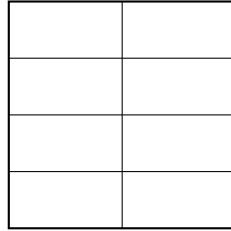


Count the unit squares. How many are there?

- A. 10 unit squares (the perimeter)                       C. 8 unit squares  
 B. 16 unit squares                       D. 20 unit squares



- 1) A square is divided equally. Ava divides it so that each part is  $\frac{1}{8}$  of the whole. How many equal parts is the square divided into?



- A. 4 parts                       C. 8 parts  
 B. 6 parts                       D. 10 parts
- 2) Noah lists products of 3: 3, 6, 9, 12, 15, 18, 21, 24.  
Which property explains why each product increases by 3?
- A. Because 3 is odd                       D. Because we multiply 3 by 1, then  
 B. Because 3 is in the ones place                      2, then 3, then 4, etc.  
 C. Because these numbers are less than  
30
- 3) Round 283 to the nearest 10.
- A. 280                       C. 290  
 B. 283                       D. 300
- 4) Sam says: " $\frac{4}{8} > \frac{4}{6}$  because 8 is bigger than 6." Is Sam right?
- A. Yes, Sam is right                       C. No, the fractions are equal  
 B. No, Sam got the rule backwards                       D. Cannot tell from the fractions



5) Two pies are the same size. Pie A is cut into 4 slices and 3 are eaten. Pie B is cut into 8 slices and 6 are eaten. How much pie is left in each case?

- A. Cannot tell without tasting.       C. Pie B has more left.  
 B. The same amount left.       D. Pie A has more left.

6) Which equation matches “sharing 30 items equally among 5 people”?

- A.  $30 + 5 = 35$        C.  $5 \times 30 = 150$   
 B.  $30 - 5 = 25$        D.  $30 \div 5 = 6$

7) Lily gives 2 of her 8 stickers away. What fraction did she give?

- A.  $\frac{1}{2}$        C.  $\frac{3}{4}$   
 B.  $\frac{1}{4}$        D.  $\frac{2}{3}$

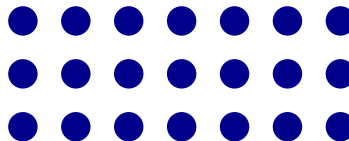
8) Look at this grid:



The area is:

- A. 9 sq units       C. 16 sq units  
 B. 14 sq units       D. 18 sq units

9) Look at this array. It has 3 rows and  columns. There are 21 dots in total.



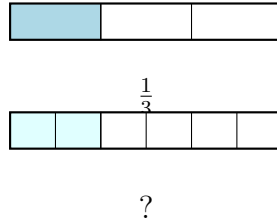
$$3 \times \square = 21$$

- A. 9       C. 6  
 B. 8       D. 7



Scan me!  
For more practice  
& answers

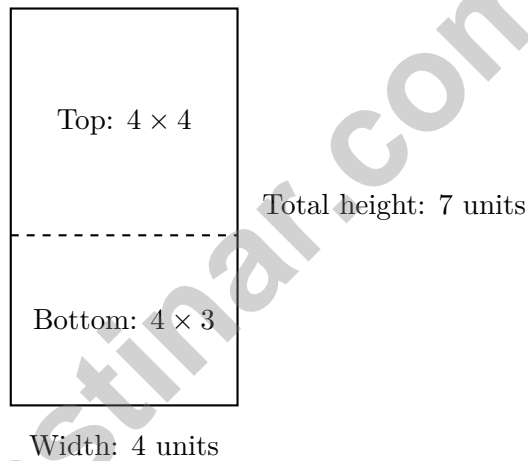
1) Look at the fraction bars. Which fraction is equivalent to  $\frac{1}{3}$ ?



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

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

2) A rectangle is split horizontally:



What is the correct distributive statement?

- A.  $4 \times (4 + 3) = (4 \times 4) + (4 \times 3) = 16 + 12 = 28$
- B.  $4 + 3 = 7$  units
- C.  $4 \times 7 = 28$
- D.  $(4 + 4) + (4 + 3) = 15$



## 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



Scan me!  
For more practice  
& answers

## Practice Test Answers and Explanations

### Practice Test 1 Answers and Explanations

- Choice C is correct.** (3.MD.1.5) Multiply length by width:  $10 \times 6 = 60$  square inches.
- The correct answer is 20 square units.** (3.MD.1.7) The grid shows 5 columns and 4 rows. Area =  $5 \times 4 = 20$  square units. You can also add by rows:  $5 + 5 + 5 + 5 = 20$  (four rows of five).
- Choice B is correct.** (3.NF.F.3C) 14 sevenths divided by 7 sevenths per whole =  $14 \div 7 = 2$  wholes.
- Choice A is correct.** (3.NF.F.2A) Divided in half means 2 equal parts. The first tick is at the unit fraction  $\frac{1}{2}$ .
- Choice D is correct.** (3.OA.C.7)  $6 \times 7 = 42$ . You can count by 7s: 7, 14, 21, 28, 35, 42.
- Choice A is correct.** (3.MD.1.6) Shape M is  $2 \times 2 = 4$  unit squares. Shape N is  $4 \times 1 = 4$  unit squares. Both are equal.
- Choice B is correct.** (3.NF.F.3A)  $\frac{3}{6} = \frac{1}{2}$  because both represent one-half.
- Choice A is correct.** (3.OA.D.8B) Step 1: Find total seeds:  $7 \times 8 = 56$  seeds. Step 2: Subtract sprouted seeds:  $56 - 50 = 6$  seeds did not sprout. (Choice D is step 1 only; choice C is incorrect subtraction.)
- The correct answer is 15 centimeters.** (3.MD.J.8)  $44 = 2\ell + 2(7) = 2\ell + 14$ , so  $2\ell = 30$  and  $\ell = 15$  cm.
- Choice A is correct.** (3.NBT.E.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.
- Choice B is correct.** (3.NF.F.1) The pizza is cut into 3 equal slices. One slice is one unit fraction, so Noah eats  $\frac{1}{3}$  of the pizza.
- Choice B is correct.** (3.MD.1.5) Count the rows: 2 rows. Count across: 8 unit squares per row. Total:  $8 + 8 = 16$  unit squares cover the rectangle.
- Choice A is correct.** (3.OA.B.6) From the fact-family triangle with factors 4 and 9 and product 36, we write two divisions:  $36 \div 4 = 9$  and  $36 \div 9 = 4$ . The factors become quotients.
- Choice C is correct.** (3.NF.F.2)  $\frac{1}{3}$  and  $\frac{2}{6}$  mark the same point on the number line from 0 to 1. They represent the same fraction.
- Choice B is correct.** (3.NF.F.3D) Three thirds is one whole. Three sixths is half. So  $\frac{3}{3} > \frac{3}{6}$ .
- Choice D is correct.** (3.OA.A.3) Divide:  $20 \div 4 = 5$  packs.
- Choices B and C are correct.** (3.OA.A.4) Choice B is true because  $48 \div 6 = 8$ . Choice C is true because  $7 \times 7 = 49$ . Choice A is false ( $6 \times 8 = 48$ , not 42). Choice D is false ( $54 \div 9 = 6$ , not 5). Choice E is false ( $4 \times 9 = 36$ , not 35).
- Choice B is correct.** (3.MD.1.7B) Area = width  $\times$  height =  $10 \times 8 = 80$  square inches.
- Choice C is correct.** (3.MD.H.4) We have  $2 + ? + 1 + 1 + 1 = 9$ , so  $? = 4$  X's needed at  $250\frac{1}{2}$  mL.
- Choice D is correct.** (3.OA.A.1) 3 boxes with 7 pencils in each box means 3 groups of 7. So  $3 \times 7 = 21$  pencils.
- Choice A is correct.** (3.NF.F.3B) Ava ate  $\frac{2}{3}$  and Lily ate  $\frac{4}{6}$ . These are equivalent:  $\frac{2 \times 2}{3 \times 2} = \frac{4}{6}$ .
- Choice A is correct.** (3.MD.1.7C) Both smaller rectangles need the same 6-unit side. Then the other sides, 4 and 3, join to make the full rectangle.
- Choice B is correct.** (3.G.K.1) In a square (and all rectangles and rhombuses), both pairs of opposite sides are parallel.
- Choice D is correct.** (3.NBT.E.3)  $9 \times 20 = 180$  (multiply  $9 \times 2 = 18$ , add zero),  $6 \times 30 = 180$  (multiply  $6 \times 3 = 18$ , add zero), and  $18 \times 10 = 180$ . But  $3 \times 50 = 150$  (multiply  $3 \times 5 = 15$ , add zero), so choice D does not equal 180.
- Choice A is correct.** (3.NBT.E.1) The point is between 250 and 255, closer to 250. A number like 251–254 rounds to 250 (ones digit  $< 5$ ).
- Choice A is correct.** (3.MD.G.2) On Scale 1, the left side is 500 g and the right side is 400 g, so the left side weighs more. On Scale 2, both sides are equal.
- The correct answer is 81.** (3.OA.D.9)  $9 \times 8 = 72$ , and  $72 + 9 = 81$ .
- Choice D is correct.** (3.NF.F.1) There are 9 circles total, divided into 3 equal groups. Each group has 3 circles, so  $9 \div 3 = 3$ .
- Choice B is correct.** (3.MD.H.3) Kat's bar is 4 units, which is tallest.  $4 \times 5 = 20$  books, the most.
- Choice B is correct.** (3.MD.G.1)  $9 : 23 \text{ PM} + 9 \text{ hours} = 6 : 23 \text{ AM}$ . Then  $6 : 23 + 37 \text{ min} = 7 : 00 \text{ AM}$ .



## Hi, Math Champion!

◇ You trained hard! 7 full practice tests is real practice. Your math game is way better now than when you started. ◇

★ **Coach's truth:** kids who practice get better. You practiced. You got better. That's how it works!

★

### Your Game Stats

- **Energy:** HIGH! You can finish a long test.
- **Smart Plays:** You know lots of strategies.
- **Calm Head:** You stay cool with hard problems.
- **Game-Day Ready:** You feel strong and prepared.

**Coach's tip:** the night before the test, get good sleep. Eat a good breakfast. Bring a sharp pencil. Trust your training!

If you want to share something or ask a question, please email me at [jay@testinar.com](mailto:jay@testinar.com).

**Jay Daie**

Your Math Coach

# PRACTICE TODAY. MASTER TOMORROW.

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

- ✓ 7 full-length practice tests
- ✓ Aligned to Grade 3 standards
- ✓ Build confidence and achieve success
- ✓ Review, answer keys, and explanations



## 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!



Visit [testinar.com/math3](https://testinar.com/math3)  
for more Grade 3 math resources  
and practice materials!

## PREPARE. PRACTICE. SUCCEED.

Give your child the **confidence** to excel in math!



Aligned to  
Standards



Created by  
Educators



Designed for  
Success