

# 6

# Wyoming

# WY TOPP

# 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 Wyoming WY-TOPP 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**



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# 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 Wyoming WY-TOPP. Each lab is a complete 30-question test, so students can practice accuracy, stamina, and clear mathematical thinking.

Wyoming brings open ranges, geyser paths, mountain passes, and wide blue skies. Strong math uses that same care: read the task, select a strategy, build the solution, and give every problem room for clear thinking.

### 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 Wyoming students, each lab is a short route through open ranges, geyser paths, mountain passes, and wide blue skies: 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 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.



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& answers

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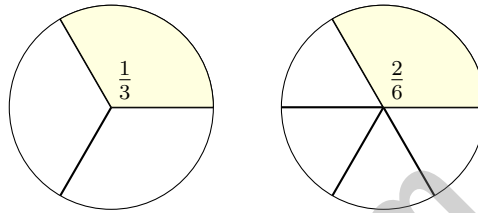
★ Practice Test 1	_____	14
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5) Mrs. Chen has two identical sheets of stickers. She uses  $\frac{2}{8}$  of the first sheet and  $\frac{1}{4}$  of the second sheet. Does she use the same amount of stickers?

- A. The sheets might be different.       C. Yes, same amount.  
 B. No, she used more from the second.       D. No, she used more from the first.

6) Which fraction is equivalent to  $\frac{2}{6}$ ?



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

7) Which fraction is NOT equivalent to  $\frac{1}{3}$ ?

- A.  $\frac{2}{6}$        C.  $\frac{2}{8}$   
 B.  $\frac{1}{2}$        D. None

8) Eli can group factors two ways. Which gives the same answer?

- A.  $(3 \times 4) \times 2$  and  $3 \times (4 \times 2)$        C.  $(3 \times 4) \times 2$  and  $(3 + 4) \times 2$   
 B.  $(3 \times 4) \times 2$  and  $3 + (4 \times 2)$        D.  $(3 \times 4) \times 2$  and  $3 \times 4 - 2$

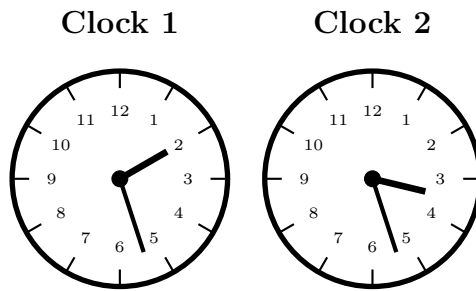
9) Mia spent \$176 on books and \$245 on pencils. How much did Mia spend in total?

- A. \$411       C. \$420  
 B. \$431       D. \$421



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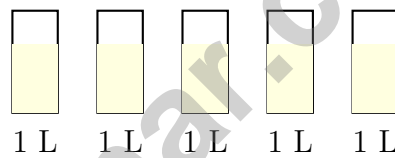
10) Which clock shows 3 : 27?



- A. Clock 1
- B. Clock 2

- C. Neither
- D. Both

**Five Bottles of Oil**



11)

A grocery store receives a shipment of 5 bottles of olive oil. Each bottle holds 1 liter. How many liters of oil total?

- A. 1 L
- B. 3 L

- C. 5 L
- D. 500 mL

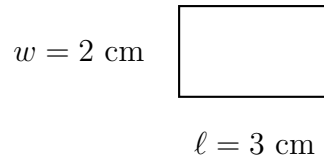
12) Mia marks  $\frac{1}{4}$  on a number line from 0 to 1 that has 4 equal parts. Then she marks  $\frac{3}{4}$ . How many tick marks apart are these two points?

- A. 0 marks
- B. 1 mark

- C. 4 marks
- D. 2 marks



Shape S



1)

Shape S is a rectangle with length 3 cm and width 2 cm. How many pairs of equal sides does it have?

- A. 1 pair                       C. 3 pairs  
 B. 2 pairs                      D. 4 pairs

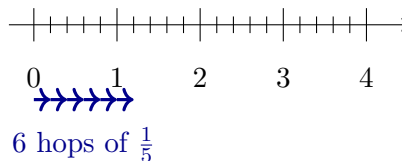
2) A picture graph shows ribbons. Each star represents 2 ribbons. Blue ribbons: 5 stars. Red ribbons: 3 stars. How many more blue ribbons than red?

- A. 2                                 C. 6  
 B. 4                                 D. 10

3) Skip count by 6: 6, 12, 18, 24, 30, 36.

What is the next number?

- A. 40                                 C. 42  
 B. 41                                 D. 48



4)

A frog makes 6 equal hops of size  $\frac{1}{5}$  on a number line divided into fifths. Where does the frog land after 6 hops?

- A. At  $\frac{1}{5}$                                  C. At 1  
 B. At  $\frac{6}{5}$  (between 1 and 2)       D. At  $\frac{5}{6}$



5) Which is NOT equivalent to  $\frac{1}{2}$ ?

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

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

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

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

6) Which is a correct way to find  $7 \times 6$  using a multiplication fact you know?

A. Use  $6 \times 6 = 36$  and add one more 6

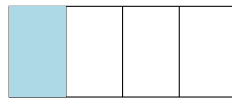
B. Use  $5 \times 6 = 30$  and add one more 6

C. Use  $8 \times 6 = 48$  and subtract one 8

D. Add  $7 + 6$

7) Look at these two rectangles. Which one shows  $\frac{1}{4}$  shaded?

A



B

 A. Rectangle A B. Rectangle B C. Neither shows  $\frac{1}{4}$  D. Both show  $\frac{1}{4}$ 

8) A teacher has 96 stickers and divides them equally among 8 groups. Then each group uses 2 stickers. How many stickers does one group have left?

9) What whole number is equal to  $\frac{4}{4}$ ?

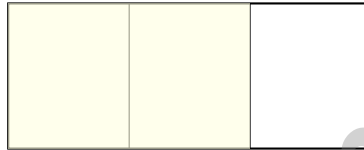
 A. 1 B. 2 C. 4 D. 0

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1) A rectangular garden plot measures 5 units by 6 units. Ben wants to cover it with unit square pavers. How many pavers will he need without gaps or overlaps?

- A. 11 pavers                       C. 22 pavers  
 B. 30 pavers                       D. 36 pavers

2) A rectangle is divided with 2 vertical lines making 3 equal columns. What fraction of the rectangle is 2 columns?



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

3) Which number sentence represents “How many groups of 3 are in 24?”

- A.  $24 \div 3$                        C.  $3 + 24$   
 B.  $3 \div 24$                        D.  $3 \times 24$

4) Noah marks  $\frac{3}{8}$  on a number line from 0 to 1 divided into 8 equal parts. Then he marks  $\frac{5}{8}$ . How many eighths are between these two points?

- A. 1 eighth                       C. 3 eighths  
 B. 2 eighths                       D. 5 eighths

5) A tiling splits a rectangle into  $2 \times (9 + 1)$ . What is the total area of both smaller rectangles?

- A. 11                       C. 20  
 B. 18                       D. 10



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& 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.**

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## Practice Test Answers and Explanations

### Practice Test 1 Answers and Explanations

- Choice B is correct.** **(3.NF.F.2A)** The second tick is two of the four equal parts from 0.
- Choice A is correct.** **(3.OA.D.8B)** Step 1: Subtract donated:  $75 - 15 = 60$  figures. Step 2: Divide into boxes:  $60 \div 12 = 5$  figures per box. (Choice D is step 1 only.)
- Choice B is correct.** **(3.MD.I.5)** Area must be measured in square units because it describes 2D space. Square feet, square inches, square meters, and square centimeters are all correct area units.
- Choice D is correct.** **(3.OA.D.9)** From 6 to 12 is +6; from 12 to 18 is +6; from 18 to 24 is +6.
- Choice C is correct.** **(3.NF.F.3A)**  $\frac{2}{8} = \frac{1}{4}$  because both equal one-quarter of the sheet.
- Choice A is correct.** **(3.NF.F.3)**  $\frac{2}{6}$  and  $\frac{1}{3}$  equal the same amount.
- Choice B is correct.** **(3.NF.F.3B)**  $\frac{1}{3} = \frac{2}{6}$  and  $\frac{2}{8} = \frac{1}{4}$ . But  $\frac{1}{2}$  is not equivalent to  $\frac{1}{3}$ .
- Choice A is correct.** **(3.OA.B.5)** By the associative property,  $(3 \times 4) \times 2 = 3 \times (4 \times 2) = 24$ . Both ways of grouping give the same product.
- Choice D is correct.** **(3.NBT.E.2)** Add:  $176 + 245 = 421$ . Ones:  $6 + 5 = 11$  (write 1, carry 1). Tens:  $7 + 4 + 1 = 12$  (write 2, carry 1). Hundreds:  $1 + 2 + 1 = 4$ .
- Choice B is correct.** **(3.MD.G.1)** At 3 : 27, the minute hand points to 27 minutes, just past the 5. The hour hand is between 3 and 4, just past 3. Clock 2 shows this accurately.
- Choice C is correct.** **(3.MD.G.2)** Multiply:  $5 \times 1 = 5$  L.
- Choice D is correct.** **(3.NF.F.2B)**  $\frac{1}{4}$  is the 1st tick;  $\frac{3}{4}$  is the 3rd tick. The distance is  $3 - 1 = 2$  ticks apart.
- Choices A and C are correct.** **(3.MD.I.7)** A is correct (core formula: length  $\times$  width = area). C is correct (counting unit squares shows area). B is perimeter-like, not area. D is false:  $5 \times 5 = 25$ , not 10. E is false (this is neither area nor perimeter).
- The correct answer is 70 mats.** **(3.MD.I.5)** Count the rows: 7 rows of mats. Count across: 10 mats per row. Total:  $10 + 10 + 10 + 10 + 10 + 10 + 10 = 70$  square meter mats are needed.
- Choice A is correct.** **(3.OA.C.7)**  $6 \times 7 = 42$  and  $9 \times 5 = 45$ . Since  $42 < 45$ ,  $6 \times 7$  is less than  $9 \times 5$ .
- Choice C is correct.** **(3.NF.F.2)**  $\frac{3}{4}$  is 3 out of 4 equal parts, so it is at the third tick mark from 0.
- Choice D is correct.** **(3.MD.I.7B)** Area = length  $\times$  width =  $7 \times 4 = 28$  square feet.
- Choice D is correct.** **(3.OA.A.3)** Multiply: 5 tables  $\times$  6 chairs per table = 30 chairs.
- The correct answer is 4 sides.** **(3.G.K.1)** A square has 4 sides.
- Choice C is correct.** **(3.MD.I.6)**  $6 \times 5 = 30$  unit squares.
- The correct answer is 4 plants.** **(3.MD.H.4)** At least 9 inches means  $9, 9\frac{1}{2}$ , and 10 inches:  $0 + 1 + 3 = 4$  plants.
- Choice A is correct.** **(3.NF.F.1)** The rectangle is divided into 3 equal sections with 1 shaded. This is one unit fraction of  $\frac{1}{3}$  (one-third).
- Choice D is correct.** **(3.NF.F.1)**  $16 \div 2 = 8$ . The strawberries are shared equally between 2 bowls.
- 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.
- Choice C is correct.** **(3.MD.I.6)** The rectangle is 2 units wide and 5 units tall:  $2 \times 5 = 10$  unit squares.
- Choice D is correct.** **(3.OA.B.6)**  $24 \div 4 = \square$  means  $\square \times 4 = 24$ . Since  $6 \times 4 = 24$ , each shelf has 6 books.
- Choice D is correct.** **(3.G.K.2)** Eight equal slices mean each slice is  $\frac{1}{8}$  of the whole circle.
- Choice A is correct.** **(3.MD.I.7C)**  $5 \times (4 + 3) = (5 \times 4) + (5 \times 3) = 20 + 15 = 35$ . Splitting the width lets us show the distributive property with area.
- Choice A is correct.** **(3.NBT.E.1)** Numbers from 450 to 549 round to 500 when rounded to the nearest 100. So yes, any number that rounds to 500 must be at least 450.
- Choice B is correct.** **(3.NBT.E.3)** The chart shows 7 tens and 0 ones. So  $7 \times 10 = 70$  beads. The tens place has 7; ones place has 0.



From a Friend Who Believes in You

---

**Hi, Friend!**

◇ I just want to say something important: I am proud of you. You did 6 full practice tests. That takes time, hard work, and heart. ◇

★ **Friendly truth:** a test is just one part of your math journey. You are SO much more than a score. The work you did is the real win! ★

**What I Want You to Know**

- **You are smart.** Every test you finished proves it.
- **You are brave.** You tried hard problems.
- **You are growing.** Mistakes taught you new things.
- **You are ready.** The skills are inside you.

**One more thing:** on test day, take a deep breath. Smile. Remember that someone (me!) believes in you. You can do this!

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 Friend

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