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10 Wyoming WY-TOPP




GRADE 3

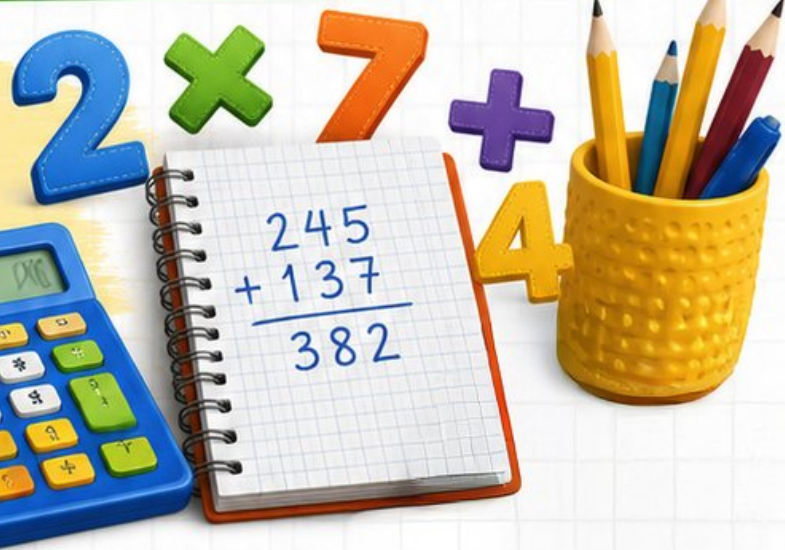
MATH



PRACTICE TESTS



- ✓ Complete Standards Review
 - ✓ Skill Practice
 - ✓ Word Problems and Answer Key
- 



★ ★ ★
**PREPARE
PRACTICE
SUCCEED!**
★ ★ ★



Aligned to
Grade 3 Math
Standards



Build Confidence
and Master
Math Skills



Test-Taking
Practice for
Success



Answer Key
for Easy
Review

10 Wyoming WY-TOPP Grade 3 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Ten complete 30-question Grade 3 practice rounds for WY-TOPP, built around open ranges, high plains, and careful test stamina, with answer keys and clear explanations for every item.

Jay Daie and Reza Nazari



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Welcome, Wyoming Math Explorer!

Ten steady rounds on the Cowboy State math route

This book gives you ten full Grade 3 practice tests for WY-TOPP. Each round uses open ranges, high plains, and careful test stamina to keep practice memorable while you read carefully, choose a strategy, show work, and check the answer.

Wyoming Practice Promise

I will slow down for the question, circle what matters, solve one step at a time, and use mistakes as clues for getting stronger.

Read

Plan

Check

How to Use This Book

A ten-session routine for Wyoming WY-TOPP review

1. **Preview the skills.** Read the quick review pages before the first test.
2. **Take one test at a time.** Treat each round like a stop on the Cowboy State math route.
3. **Mark your confidence.** Put a small star beside problems you solved with a strong plan.
4. **Check, then retry.** For missed questions, try the problem again before reading the explanation.
5. **Track your next move.** Use the growth log to name one habit and one skill for the next test.

Good rhythm: Test one day, correct carefully the next day, then return for the next round when your corrections feel clear.



What Is Inside?

Ten tests, 300 questions, and a full WY-TOPP review path

Part	What You Will Practice
Tests 1–3	Warm-up rounds for reading carefully, choosing operations, and using models.
Tests 4–6	Skill-building rounds with fractions, measurement, area, data, and two-step problems.
Tests 7–9	Stamina rounds for mixed review, neat work, and flexible strategies.
Test 10	Final round to show growth across the whole Wyoming book.
Answer Pages	Compact keys and explanations that show why each answer works.

The tests are mixed on purpose. Real test readiness means recognizing the skill even when the next question changes topic.

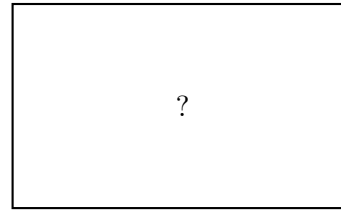


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Table of Contents

★ Practice Test 1	_____	15
★ Practice Test 2	_____	27
★ Practice Test 3	_____	39
★ Practice Test 4	_____	50
★ Practice Test 5	_____	62
★ Practice Test 6	_____	74
★ Practice Test 7	_____	86
★ Practice Test 8	_____	101
★ Practice Test 9	_____	114
★ Practice Test 10	_____	126
Practice Test Answer Keys	_____	137
Practice Test Answers and Explanations	_____	143

3 inches



5 inches

1)

What is the area of this rectangle?

 A. 8 sq in C. 10 sq in B. 15 sq in D. 12 sq in

2) Look at this pattern: 6, 12, 18, 24, 30, 36.

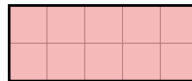
What is the next number?

 A. 40 C. 48 B. 50 D. 42

3) A baker puts 6 cookies on each plate. If there are 8 plates, how many cookies are there?

 A. 56 C. 42 B. 54 D. 48

4) This rectangle is divided into unit squares.



Which multiplication sentence shows the area?

 A. $5 \times 2 = 10$ C. $2 \times 2 = 4$ B. $5 \times 5 = 25$ D. $7 \times 2 = 14$ 

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5) Ava has 20 beads. She wants to make 5 equal bracelets. How many beads are on each bracelet?

A. 3

B. 25

C. 15

D. 4

6) Which comparison is true?

A. $\frac{2}{2} < \frac{2}{3}$

B. $\frac{2}{2} > \frac{2}{3}$ ($2/2 = \text{whole}$, $2/3 < \text{whole}$)

C. $\frac{2}{3} > \frac{2}{2}$ ($3 > 2$)

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

7) What is $36 \div 6$?

A. 5

B. 6

C. 7

D. 30

8) Mia drinks juice from four bottles. Each bottle holds 250 mL. How many milliliters does she drink in total?

A. 250 mL

B. 750 mL

C. 1000 mL

D. 2000 mL

9) A garden has 4 rows of flowers. Each row has 7 flowers. How many flowers are in the garden?

A. 24 flowers

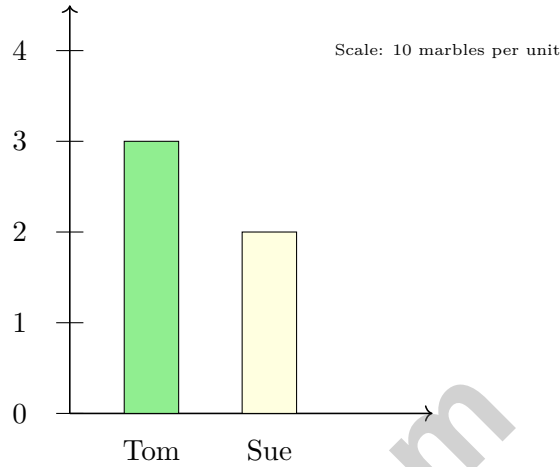
B. 11 flowers

C. 32 flowers

D. 28 flowers



10) A bar graph shows marbles. The scale is 10 marbles per unit. Read the bars and find how many more marbles one person has.



- A. Tom has 10 more marbles.
- B. Tom has 20 more marbles.
- C. Sue has 10 more marbles.
- D. They have the same number.

11) Look at the bars. Which fraction is equivalent to $\frac{2}{4}$?



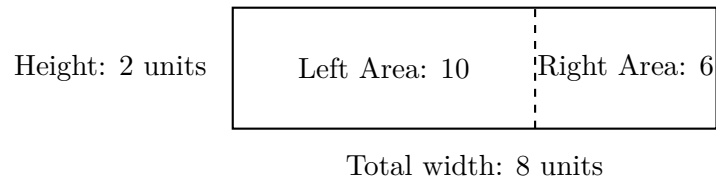
- A. $\frac{3}{8}$
- B. $\frac{4}{8}$
- C. $\frac{1}{4}$
- D. $\frac{2}{6}$

12) A number line from 0 to 1 is divided into 2 equal parts. What fraction is at the first tick?



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1) A rectangle with a vertical split looks like this:

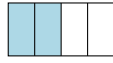


What is the left rectangle's width?

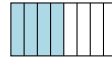
- A. 5 units C. 8 units
- B. 2 units D. 6 units
- 2) Eli's drawing pad is 10 centimeters long and 6 centimeters wide. What is its area?
- A. 16 sq cm C. 50 sq cm
- B. 32 sq cm D. 60 sq cm
- 3) A rectangle is 10 units long and 2 units wide. What is its area?
- A. 20 sq units C. 30 sq units
- B. 12 sq units D. 40 sq units
- 4) What is 9×4 ?
- A. 32 C. 36
- B. 35 D. 40
- 5) A number line from 0 to 1 has tick marks that divide it into equal parts. There are 5 tick marks total (counting 0 and 1). How many equal parts are there?
- A. 3 C. 5
- B. 4 D. 6



6) Which rectangle shows $\frac{2}{4}$ and $\frac{4}{8}$ as equivalent?

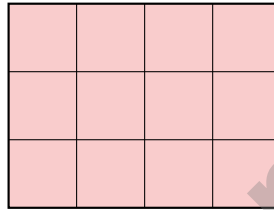


Rectangle A



Rectangle B

- A. Both rectangles
- B. Rectangle A only
- C. Rectangle B only
- D. Neither rectangle



7)

Use the grid to find the area. How many unit squares cover the rectangle?

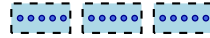
- A. 10 unit squares
- B. 11 unit squares
- C. 12 unit squares
- D. 14 unit squares
- 8) How many sides does a rhombus have, and are they all equal?
- A. 3 sides, all equal
- B. 4 sides, some equal
- C. 5 sides, all equal
- D. 4 sides, all equal



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4) Which picture shows 21 items divided equally into 3 groups?

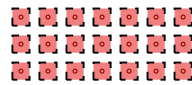
A. Three groups of five



B. Seven groups of three



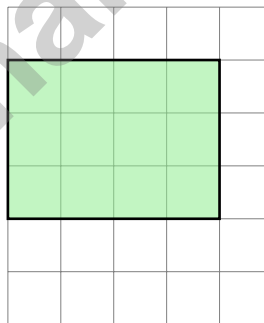
C. Twenty-one groups of one



D. Three groups of seven



5) Look at the shaded squares on the grid. Count the unit squares.



A. 10 square units

C. 11 square units

B. 12 square units

D. 13 square units



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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.MD.I.7B) Area = length \times width = $5 \times 3 = 15$ square inches. Choice A (8) is the sum; C (10) is 5×2 ; D (12) is 4×3 .
- 2) **Choice D is correct.** (3.OA.D.9) Each number increases by 6. These are multiples of 6: $36 + 6 = 42$.
- 3) **Choice D is correct.** (3.OA.A.4) Multiply: $6 \times 8 = 48$ cookies.
- 4) **Choice A is correct.** (3.MD.I.6) The rectangle has 5 units wide and 2 units tall. $5 \times 2 = 10$ sq units.
- 5) **Choice D is correct.** (3.NF.F.1) $20 \div 5 = 4$. Divide the total beads by the number of bracelets.
- 6) **Choice B is correct.** (3.NF.F.3D) Same numerator (2): two halves = 1 whole, two thirds = part of a whole. Halves are bigger pieces than thirds. Rule: same numerator, smaller denominator ($2 < 3$) means bigger pieces, so $\frac{2}{2} > \frac{2}{3}$.
- 7) **Choice B is correct.** (3.OA.C.7) $36 \div 6 = 6$ because $6 \times 6 = 36$. Choice D (30) is $36 - 6$, a subtraction mistake instead of division.
- 8) **Choice C is correct.** (3.MD.G.2) Multiply: $4 \times 250 = 1000$ mL.
- 9) **Choice D is correct.** (3.OA.A.1) 4 rows with 7 flowers each means 4 groups of 7. So $4 \times 7 = 28$ flowers.
- 10) **Choice A is correct.** (3.MD.H.3) Tom: $3 \times 10 = 30$. Sue: $2 \times 10 = 20$. Difference: $30 - 20 = 10$.
- 11) **Choice B is correct.** (3.NF.F.3B) Multiply numerator and denominator by 2: $\frac{2 \times 2}{4 \times 2} = \frac{4}{8}$.
- 12) **The correct answer is $\frac{1}{2}$.** (3.NF.F.2A) The first tick is halfway, or $\frac{1}{2}$.
- 13) **Choice D is correct.** (3.NF.F.3A) $\frac{2}{3} = \frac{4}{6}$ because both represent two-thirds of the pizza.
- 14) **Choice C is correct.** (3.MD.I.7A) Tall rectangle: $3 \times 8 = 24$ square units. D is concatenation error.
- 15) **The correct answer is $\frac{4}{1}$.** (3.NF.F.3C) Any whole number n can be written as $\frac{n}{1}$. So $4 = \frac{4}{1}$.
- 16) **Choice D is correct.** (3.MD.I.7C) This equation uses subtraction instead of addition. The correct form is $6 \times (5 + 2) = 6 \times 5 + 6 \times 2$.
- 17) **Choices A and C are correct.** (3.OA.A.3) Choices A and C involve finding a total from equal groups. B, D, and E involve subtraction or addition of separate quantities.
- 18) **Choice B is correct.** (3.NBT.E.3) In 90, the 9 is in the tens place (representing 9 tens, or 9×10). The 0 is in the ones place. So $90 = 9 \text{ tens} + 0 \text{ ones}$.
- 19) **Choice B is correct.** (3.NF.F.3) $\frac{4}{6}$ and $\frac{2}{3}$ mark the same point on the line.
- 20) **Choice A is correct.** (3.NF.F.1) A cake divided into 6 equal pieces has each piece as $\frac{1}{6}$ (one-sixth).
- 21) **Choice A is correct.** (3.MD.I.6) $3 \times 5 = 15$ unit squares. Option B is 16, C is 14, D is 12.
- 22) **Choice D is correct.** (3.MD.I.5) For a square: $8 \times 8 = 64$ square inches.
- 23) **Choice A is correct.** (3.OA.D.8B) Step 1: Subtract: $35 - 5 = 30$ apples. Step 2: Divide: $30 \div 6 = 5$ apples per friend. (Choice D is step 1 only.)
- 24) **Choice A is correct.** (3.MD.I.7) Area = $9 \times 2 = 18$ square feet.
- 25) **Choice A is correct.** (3.G.K.2) Part 1: $4 \times 3 = 12$ sq units. Part 2: $6 \times 2 = 12$ sq units. Total: $12 + 12 = 24$ sq units.
- 26) **Choice A is correct.** (3.MD.G.1) From 7 : 05 to 8 : 05 is 60 minutes. $95 - 60 = 35$ more minutes. $8 : 05 + 35 \text{ min} = 8 : 40$ PM.
- 27) **Choice B is correct.** (3.MD.H.4) At $5\frac{1}{2}$, there is only 1 X. At 5 and 6 there are 2 each, and at $5\frac{3}{4}$ there are 4.
- 28) **Choice C is correct.** (3.NBT.E.1) The point is closer to 50 than to 40. Numbers from 45 to 49 round to 50.
- 29) **The correct answer is $\frac{2}{8}$.** (3.NF.F.2) The second tick out of 8 equal parts is $\frac{2}{8}$.
- 30) **Choice D is correct.** (3.OA.B.5) Since 9 groups of 4 is one group of 4 less than 10 groups of 4, $9 \times 4 = 10 \times 4 - 1 \times 4 = 40 - 4 = 36$.

Practice Test 2 Answers and Explanations



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Hi, Math Detective!

◇ You did such a great job! You finished 10 tests like a real detective. You found the clues, used your tools, and solved the math. ◇

★ **Detectives know:** good work takes time. You took your time. You looked carefully. You found the answers! ★

Your Detective Skills

- **Sharp Eyes:** You notice the small details.
- **Smart Plans:** You pick the right way to solve.
- **Brave Heart:** You try even when it's tricky.
- **Steady Work:** You finish what you start.

Detective tip: on test day, look carefully at each problem. Underline important words. Then solve like the detective you are!

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

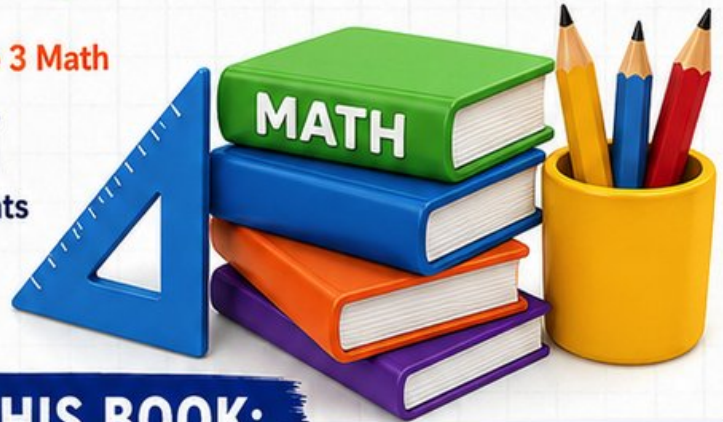
Jay Daie

Your Math Detective Helper

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