

# 8

# Wisconsin Forward Exam

## GRADE 3

# MATH

## PRACTICE TESTS

Standards-Aligned Review with  
Mixed Practice and Answer Key



8 Full-Length  
Practice Tests



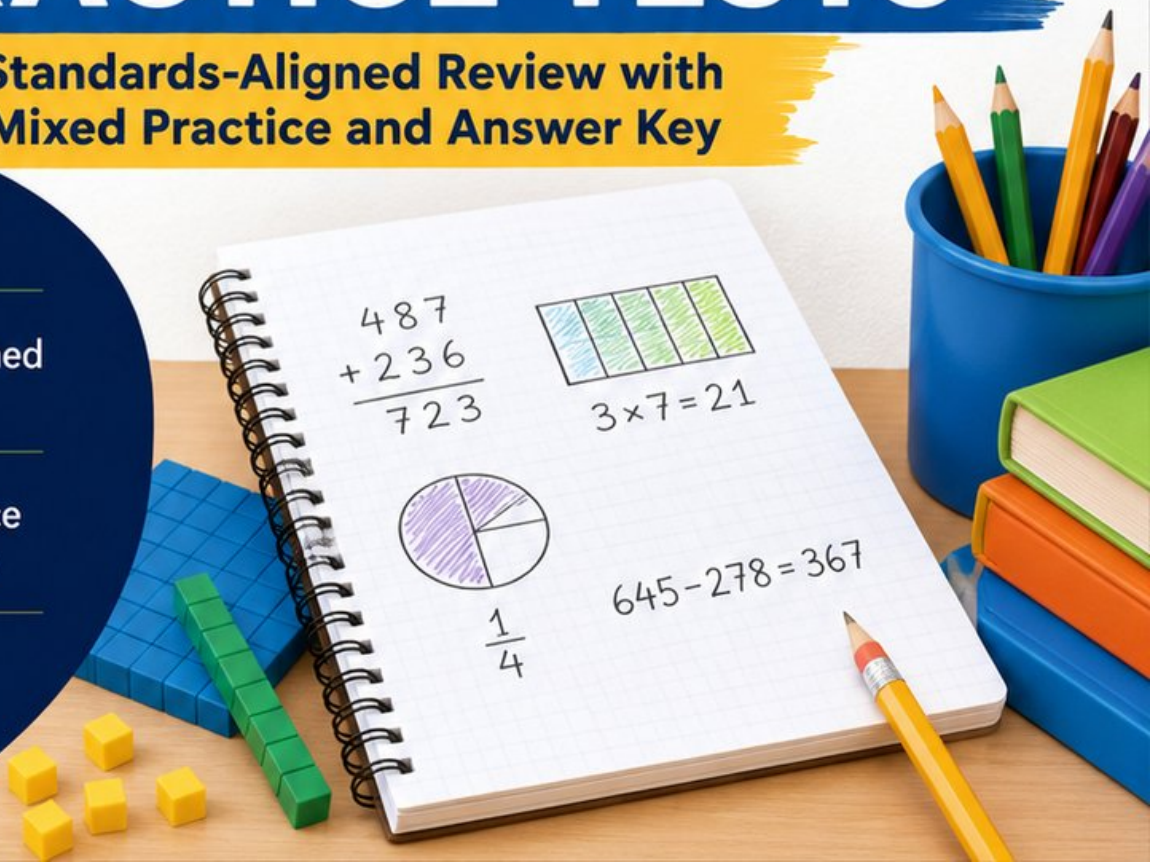
Standards-Aligned  
Questions



Build Confidence  
and Math Skills



Answer Key  
Included



# 8 Wisconsin Forward Exam Grade 3 Math Practice Tests

*Standards-Aligned Review with Mixed Practice and Answer Key*



Eight complete 30-question practice rounds 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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# Wisconsin, Your Eight-Test Math Path Begins

Eight focused rounds, one stronger Grade 3 problem solver

This book gives you eight full chances to practice like a careful test taker for the Wisconsin Forward Exam. Each test is a new route through numbers, shapes, data, measurement, and word problems. Work slowly enough to notice what the question asks, and proudly enough to show your thinking.

Wisconsin has lake shores, dairy farms, forest trails, winter sidewalks, and careful classroom habits, where careful steps matter. Strong math follows that same path: notice the question, choose a tool, show the work, and check the work before crossing the finish line.

## Your Wisconsin Math Promise

I will read the whole question, choose a smart strategy, write clear work, and check whether my answer makes sense.

**Eight rounds. Thirty questions each. One careful step at a time.**

# How to Use This Book

## A simple eight-round routine for confident review

Use this Wisconsin book as a practice plan, not a race. Finish one test, review it, fix a few problems, then carry one better habit into the next test.

1. **Preview the reference page.** Notice units, time, and measurement facts before you begin.
2. **Take one full test.** Circle anything that feels tricky so you can return to it.
3. **Check the answer key.** Mark correct answers and questions to try again.
4. **Read explanations.** Study missed items and lucky guesses first.
5. **Redo three problems.** Write fresh work without copying the explanation.
6. **Name one habit.** Pick a focus such as labels, facts, fractions, or neat work.
7. **Try the next test.** Bring that habit forward.
8. **Finish with a final check.** Look for growth across all eight tests.

**Best review habit:** In Wisconsin, strong practice means slowing down enough to see the clue. When an answer is wrong, ask, “What step would I change next time?”



# What Is Inside the Eight Tests?

## Mixed Grade 3 math practice for the Forward Exam

Each practice test has 30 questions. You will see multiple-choice questions, select-all questions, and open-ended questions with workspace. The mix helps students practice both choosing an answer and explaining a short mathematical result.

Part	What to Expect
Eight full tests	30 mixed Grade 3 questions in each round
Math topics	multiplication, division, place value, fractions, time, measurement, data, area, perimeter, and shapes
Answer keys	compact answer boxes for quick checking
Explanations	short reasoning for every item so mistakes become useful review
Progress pages	places to record scores, habits, and next-step goals

**Wisconsin focus:** The practice path starts with lake shores, dairy farms, forest trails, winter sidewalks, and careful classroom habits. Strong math uses the same idea: know the path, follow the clues, and check the final answer.



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& answers

# Table of Contents

★ Practice Test 1	_____	18
★ Practice Test 2	_____	30
★ Practice Test 3	_____	42
★ Practice Test 4	_____	55
★ Practice Test 5	_____	67
★ Practice Test 6	_____	79
★ Practice Test 7	_____	92
★ Practice Test 8	_____	104
<b>Practice Test Answer Keys</b>	_____	<b>116</b>
<b>Practice Test Answers and Explanations</b>	_____	<b>121</b>

1) Lily colors  $\frac{4}{6}$  of a poster red. Which fraction shows the SAME amount?

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

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

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

D.  $\frac{1}{6}$

2) What is  $9 \times 80$ ?

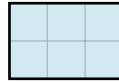
A. 72 (forgot to multiply by 10)

B. 7200 (added two zeros)

C. 89 (added the digits)

D. 720

3) This shape is made of unit squares on a grid.



How many unit squares cover this rectangle?

A. 6 sq units

B. 5 sq units

C. 8 sq units

D. 10 sq units

4) A square rug has side length 5 meters. What is its area?

A. 10 sq m

B. 20 sq m

C. 25 sq m

D. 30 sq m

5) Which symbol makes this true?  $\frac{1}{2}$  \_\_\_\_\_  $\frac{1}{4}$

A. <

B. >

C. =

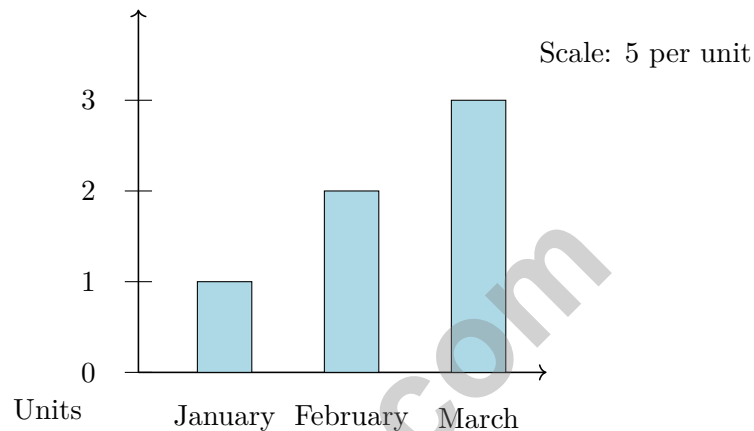
D. None of these



6) How are squares and rectangles similar?

- A. Both have 4 sides and 4 right angles     C. Both have no parallel sides  
 B. Both have all equal sides     D. Both have 5 vertices

7) Look at the bar graph. Which statement about the bars is true?



- A. March is the shortest bar.     C. March is the tallest bar.  
 B. January is taller than February.     D. All bars are the same height.
- 8) Maria measured the widths of five leaves and got these results: 2 inches,  $2\frac{1}{4}$  inches,  $2\frac{1}{4}$  inches,  $2\frac{1}{2}$  inches, and 2 inches. On a line plot with a scale of 2,  $2\frac{1}{4}$ ,  $2\frac{1}{2}$ ,  $2\frac{3}{4}$ , 3 inches, how many X's would you place above the  $2\frac{1}{4}$  inch mark?



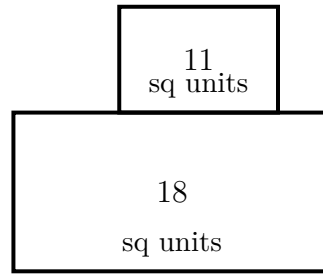
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9) Ben has one whole cookie. Which fraction represents this?

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

- C.  $\frac{1}{0}$   
 D.  $\frac{1}{1}$

10) A composite shape has areas of 18 sq units and 11 sq units. Find the total area.



- A. 29 sq units  
 B. 18 sq units

- C. 7 sq units  
 D. 198 sq units

11) Find  $6 \times 5 + 6 \times 3$ .

12) A class starts at 9 : 15 AM and ends at 10 : 05 AM. How long is the class?

- A. 50 minutes  
 B. 55 minutes

- C. 60 minutes  
 D. 45 minutes



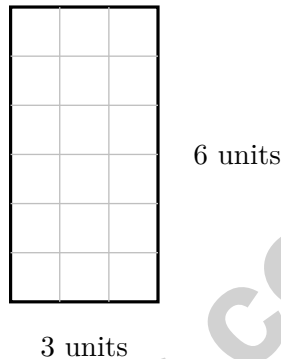




1) Noah lists products of 3: 3, 6, 9, 12, 15, 18, 21, 24.

Which property explains why each product increases by 3?

- A. Because 3 is odd
- B. Because 3 is in the ones place
- C. Because these numbers are less than 30
- D. Because we multiply 3 by 1, then 2, then 3, then 4, etc.



2)

Count the unit squares. What is the area?

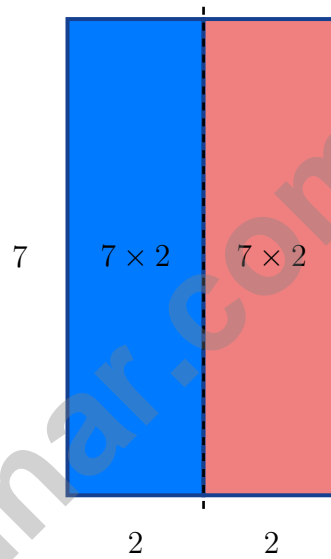
- A. 9 sq units
- B. 18 sq units
- C. 12 sq units
- D. 36 sq units
- 3) Maya buys 7 packs of stickers. Each pack has 30 stickers. How many stickers does Maya buy?



4) Lily made 5 flower pots. She put 6 flowers in each pot. What is the total number of flowers?

- A. 11 flowers (adds  $5 + 6$ )
- C. 25 flowers (confuses:  $5 \times 5$  instead of  $5 \times 6$ )
- B. 35 flowers (multiplies by wrong amount)
- D. 30 flowers

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



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

6) Ava wants to build a square using unit squares (each 1 inch by 1 inch). If her square is 5 inches on each side, how many unit squares does she need?



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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.NF.A.3a)**  $\frac{4}{6} = \frac{2}{3}$  because both represent two-thirds of the poster.
- Choice D is correct.** **(3.NBT.A.3)** Multiply  $9 \times 8 = 72$ , then multiply by 10 to get 720:  $9 \times 80 = (9 \times 8) \times 10 = 72 \times 10 = 720$ .
- Choice A is correct.** **(3.MD.C.6)** The grid shows 3 columns and 2 rows.  $3 \times 2 = 6$  unit squares.
- Choice C is correct.** **(3.MD.C.7)** A square with side 5 has area  $5 \times 5 = 25$  square meters.
- Choice B is correct.** **(3.NF.A.3d)** Same numerator: halves are bigger than fourths. So one half is greater than one fourth.
- Choice A is correct.** **(3.G.A.1)** Squares and rectangles are both quadrilaterals with 4 right angles. The difference is that a square has all equal sides, while a rectangle does not require this.
- Choice C is correct.** **(3.MD.B.3)** January is 1 unit, February is 2 units, March is 3 units. March is tallest.
- The correct answer is 2 X's.** **(3.MD.B.4)** Two leaves measured exactly  $2\frac{1}{4}$  inches, so there would be 2 X's above the  $2\frac{1}{4}$  mark.
- Choice D is correct.** **(3.NF.A.3c)** One whole can be written as  $\frac{1}{1}$ , where numerator = denominator.
- Choice A is correct.** **(3.MD.C.7d)** Add the areas:  $18 + 11 = 29$  square units. Choice B (only one part) and C (subtraction) are common errors.
- The correct answer is 48.** **(3.OA.B.4)**  $6 \times 5 = 30$  and  $6 \times 3 = 18$ , so  $30 + 18 = 48$ .
- Choice A is correct.** **(3.MD.A.1)** From 9:15 to 10:15 is 60 minutes. The class ends at 10:05, 10 minutes earlier:  $60 - 10 = 50$  minutes. Distractor C (just adds 1 hour), B (off-by-5), D (subtracts too much).
- Choice A is correct.** **(3.NF.A.1)** Picture A shows a rectangle divided into 2 equal parts with 1 part shaded, which is  $\frac{1}{2}$ .
- Choice D is correct.** **(3.OA.D.8)** Skip counting by an even number always gives all even numbers.
- Choice B is correct.** **(M.3.MD.C.7c)** Top part:  $6 \times 3 = 18$ . Bottom part:  $6 \times 2 = 12$ . Add the areas:  $18 + 12 = 30$  square units.
- The correct answer is 8.** **(3.OA.A.2)**  $16 \div 2 = 8$ .
- Choices B and C are correct.** **(3.OA.A.3)** 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 A is correct.** **(3.MD.C.5a)**  $3 \times 5 = 15$  unit squares. Option B is 16, C is 14, D is 12.
- Choice B is correct.** **(3.NBT.A.3)** Numbers from 45 to 54 round to 50. Choice A (48) rounds to 50, but is not between 50–60. Choice B (52) is in range 50–60 and rounds to 50 (ones digit  $2 < 5$ ). Choice C (56) rounds to 60. Choice D is 60 itself, rounds to 60.
- Choice A is correct.** **(3.OA.A.3)** Divide:  $20 \div 4 = 5$  cars per row.
- Choice C is correct.** **(3.MD.C.5b)** Count the rows: 4 rows with 5 unit squares in each row. Total:  $5 + 5 + 5 + 5 = 20$  unit squares. Area is 20 square units.
- Choice B is correct.** **(3.NF.A.3b)** Multiply numerator and denominator by 2:  $\frac{1 \times 2}{4 \times 2} = \frac{2}{8}$ .
- Choice B is correct.** **(3.NF.A.2a)** Four equal parts on the number line give unit fraction  $\frac{1}{4}$ .
- Choice C is correct.** **(3.G.A.2)** The lines do not create equal parts. Lines from the center must divide a circle into equal angles to make equal parts.
- Choice C is correct.** **(M.3.MD.A.2)** 1 L = 1000 mL. Subtract:  $1000 - 750 = 250$  mL.
- Choice D is correct.** **(3.OA.C.6a)**  $8 \times 6$  means 8 groups of 6. Skip-counting: 6, 12, 18, 24, 30, 36, 42, 48. The product is 48.
- Choice B is correct.** **(3.MD.C.7b)** Area = length  $\times$  width =  $9 \times 8 = 72$  square feet. Choice A (17) is the sum; C (64) is  $8 \times 8$ ; D (63) is  $9 \times 7$ .
- Choice D is correct.** **(3.MD.C.5)** Rectangle A:  $2 \times 6 = 12$  square units. Rectangle B:  $3 \times 4 = 12$  square units. Both have the same area.



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## Hi, Math Pilot!

◇ 8 flights done in your math airplane. You have flown through smooth skies and bumpy clouds. You are a real pilot now. ◇

★ **Pilots know:** a good check before takeoff makes a smooth flight. Before each problem, do your check: read, plan, solve, verify. ★

### Pilot Skills

- **Pre-Flight:** You read the question carefully.
- **Steering:** You pick the right strategy.
- **Smooth Flight:** You stay calm in long tests.
- **Landing:** You always check your final answer.

**Pilot tip:** on test day, take off one problem at a time. Trust your training. You earned your wings!

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 Pilot

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# PRACTICE TODAY. MASTER TOMORROW.

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

- ✓ 8 full-length practice tests
- ✓ Aligned to Grade 3 standards
- ✓ Build confidence and achieve success



## EACH PRACTICE TEST INCLUDES:



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Aligned  
Questions



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Question  
Types



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- ✓ Perimeter, Area & Volume
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