

# 5 Wisconsin Forward Exam

Standards-Aligned Review with  
Mixed Practice and Answer Key

A+

# 5 Wisconsin Forward Exam Grade 4 Math Practice Tests

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



Five complete 30-question Grade 4 practice rounds for Forward Exam, built around lake shores, dairy farms, and dependable fact fluency, with answer keys and clear explanations for every item.

Jay Daie and Reza Nazari



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# Welcome, Wisconsin Math Explorer!

Five steady rounds on the Badger State math route

This book gives you five full Grade 4 practice tests for Forward Exam. Each round uses lake shores, dairy farms, and dependable fact fluency to keep practice memorable while you read carefully, choose a strategy, show work, and check the answer.

## Wisconsin 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 Wisconsin Forward Exam 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 Badger 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?

Five tests, 150 questions, and a full Forward Exam review path

Part	What You Will Practice
Tests 1–3	Warm-up rounds for reading carefully, choosing operations, and using models.
Tests 3–5	Skill-building rounds with fractions, measurement, area, data, and two-step problems.
Tests 3–5	Stamina rounds for mixed review, neat work, and flexible strategies.
Answer Pages	Compact keys and explanations that show why each answer works.

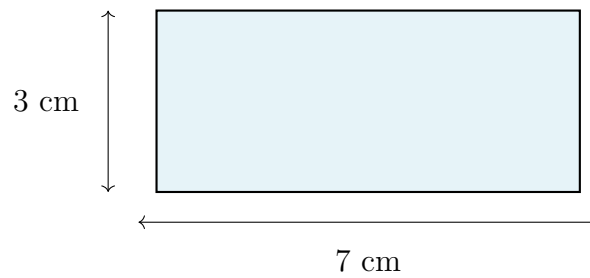
The tests are mixed on purpose. Real test readiness means recognizing the skill even when the next question changes topic.



Scan me!  
For more practice  
& answers

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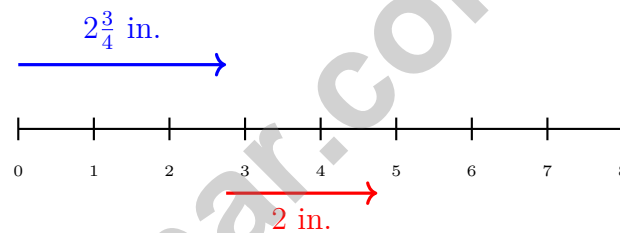
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1)

What is the area of the rectangle shown above?

- A. 10 sq cm                       C. 21 sq cm  
 B. 20 sq cm                       D. 28 sq cm



2)

A board has two sections. The blue section is  $2\frac{3}{4}$  inches and the red section is 2 inches. What is the total length?

- A.  $4\frac{1}{4}$  inches                       C.  $4\frac{3}{4}$  inches  
 B.  $4\frac{2}{4}$  inches                       D. 5 inches

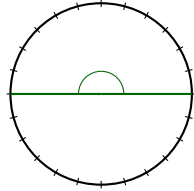
3) On a number line, locate the point at  $6 \times \frac{1}{4}$ . What is this value as a mixed number?



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



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straight angle

4)

A straight angle is shown above. How many one-degree angles make a straight angle?

- A. 90 one-degree angles                       C. 360 one-degree angles  
 B. 180 one-degree angles                       D. 270 one-degree angles

5) A clock shows 3 o'clock. The hour hand and minute hand form an angle. What type of angle is it?

- A. Acute     C. Obtuse  
 B. Right     D. Straight

6) Noah has 7 crayons. His sister has 2 times as many crayons as Noah. How many crayons does his sister have?

- A. 9     C. 16  
 B. 21     D. 14

7) A table is 2 meters long. Convert this to centimeters.



8) A pizza is cut into 6 equal slices. Max ate 2 slices. Another pizza was cut into 3 equal slices, and Cole ate 1 slice. If both pizzas started the same size, did Max and Cole eat equivalent amounts?

- A. Yes, both ate  $\frac{1}{3}$                        C. No, Max ate more  
 B. Yes, both ate  $\frac{1}{2}$                        D. No, Cole ate more

9) Look at the place-value chart. What is the total value of all the digits shown?

Thousands	Hundreds	Tens	Ones
3	5	2	6

- A. 2,356                                       C. 5,326  
 B. 3,625                                       D. 3,526

10) A figure that has more than 4 lines of symmetry must be which of the following?

- A. A triangle                                       C. A regular polygon with 5 or more sides or a circle  
 B. A quadrilateral                                       D. A square

11) There are 2 balloons. There are 7 times as many stickers. How many stickers are there?

- A. 7     C. 9  
 B. 2     D. 14

12) Which list orders the fractions correctly from least to greatest?

- A.  $\frac{3}{12}, \frac{5}{12}, \frac{7}{12}$                                        C.  $\frac{3}{12}, \frac{7}{12}, \frac{5}{12}$   
 B.  $\frac{7}{12}, \frac{5}{12}, \frac{3}{12}$                                        D.  $\frac{5}{12}, \frac{3}{12}, \frac{7}{12}$



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1) Which statement correctly matches the equation  $42 = 6 \times 7$ ?

A. 42 is 6 less than 7

C. 42 is 6 times as many as 7

B. 42 is 7 more than 6

D. 42 equals 6 plus 7

2) A bakery sold 12,345 cookies on Monday and 8,567 cookies on Tuesday. How many cookies did they sell in total?

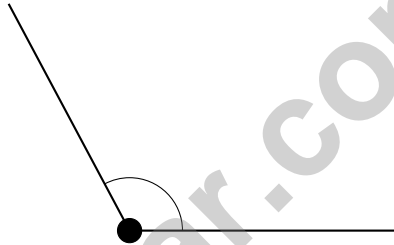
A. 20,912

C. 20,812

B. 21,012

D. 21,112

3)



This angle is bigger than a right angle. What is it called?

A. Acute

C. Obtuse

B. Right

D. Straight

4) Find  $\frac{5}{7} + \frac{3}{7}$  as a mixed number.



5) A swimming pool holds 5,000 liters of water. How many milliliters is this?

- A. 500,000                       C. 50,000,000  
 B. 5,000,000                    D. 500,000,000

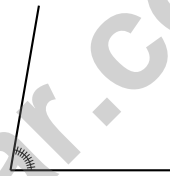
6) What is  $4\frac{5}{6} - 2\frac{1}{6}$ ?

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

7) A rhombus is different from a square because a rhombus:

- A. Does not have four equal sides       C. Has more than four sides  
 B. May not have four right angles       D. Has no parallel sides

8)



The angle is marked from  $0^\circ$  to  $80^\circ$ . What is the angle measure?

- A.  $80^\circ$                                C.  $79^\circ$   
 B.  $81^\circ$                                D.  $160^\circ$

9) In the number 1,111, which relationship is true?

Thousands	Hundreds	Tens	Ones
1	1	1	1

- A. The ones value is 10 times the tens value.       C. The tens value is 100 times the ones value.  
 B. The thousands value is 10 times the tens value.       D. The hundreds value is 10 times the tens value.



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& answers

1) A line plot shows data in fourths. At  $\frac{1}{4}$  there are 2 X marks, at  $\frac{2}{4}$  there are 3 X marks, and at  $\frac{3}{4}$  there is 1 X mark. How many more X marks are at  $\frac{2}{4}$  than at  $\frac{3}{4}$ ?

 A. 1 C. 3 B. 2 D. 4

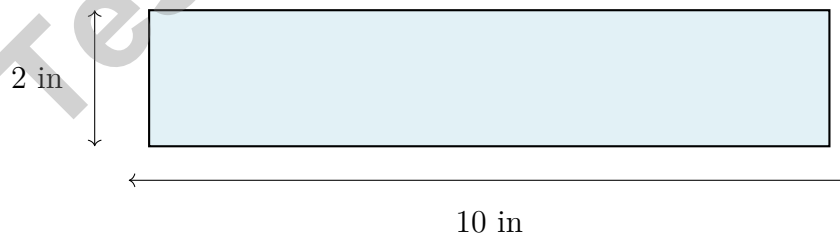
2) Ming has 4 boxes of crayons. Each box has 18 crayons. How many crayons does Ming have?

 A. 44 C. 64 B. 82 D. 72

3) What is  $2 \times \frac{3}{4}$ ?

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

4) What is 98,765 rounded to the nearest thousand?

 A. 98,000 C. 98,800 B. 100,000 D. 99,000

5)

What is the perimeter of the rectangle shown?

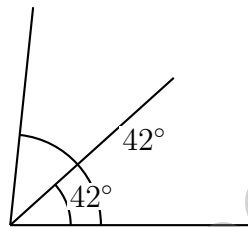
 A. 12 in C. 20 in B. 24 in D. 30 in

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& answers

6) When a student computed  $3 \times \frac{2}{5}$ , they wrote  $\frac{5}{5}$ . What is the student's likely mistake?

- A. Added  $3 + 2$  instead of multiplying  
 $3 \times 2$
- B. Changed the denominator from 5 to 10
- C. Correctly simplified the product
- D. Counted the units incorrectly

7) Two rays meet at a vertex, forming an angle. The angle is divided into two equal parts by another ray. If each part measures  $42^\circ$ , what is the total angle measure?



- A.  $42^\circ$
- B.  $84^\circ$
- C.  $21^\circ$
- D.  $90^\circ$

8) Maya painted  $\frac{6}{9}$  of her bedroom wall on Monday and  $\frac{2}{9}$  on Tuesday. What fraction of the wall did she paint in total?

9) In a 4-digit number, if the hundreds digit is 5, what is its value?

- A. 5
- B. 50
- C. 500
- D. 5,000



## Practice Test Answer Keys

**How to use this section with a Grade 4 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.** (M.4.MD.A.3) From the diagram, length is 7 cm and width is 3 cm. Area =  $7 \times 3 = 21$  sq cm.
- Choice C is correct.** (4.NF.B.3b) Add the wholes:  $2 + 2 = 4$ . Add the fractions:  $\frac{3}{4} + 0 = \frac{3}{4}$ . The total length is  $4\frac{3}{4}$  inches.
- Choice B is correct.** (M.4.NF.B.4) Six fourths:  $6 \times \frac{1}{4} = \frac{6}{4}$ . Converting to mixed number:  $\frac{6}{4} = 1\frac{2}{4}$ .
- Choice B is correct.** (M.4.MD.C.5) A straight angle is a  $180^\circ$  angle, meaning it turns through **180** one-degree angles.
- Choice B is correct.** (M.4.MD.C.5) At 3 o'clock, the clock hands form a perfect right angle (90 degrees).
- Choice D is correct.** (M.4.OA.A.2) "2 times as many" is a multiplication clue. Noah's sister has 2 groups of 7 crayons:  $2 \times 7 = 14$  crayons.
- The correct answer is 200.** (M.4.MD.A.1) Since 1 meter = 100 centimeters, multiply:  $2 \times 100 = 200$  cm.
- Choice A is correct.** (M.4.NF.A.1a) Max ate  $\frac{2}{6}$  of his pizza. Cole ate  $\frac{1}{3}$  of his pizza. Simplify:  $\frac{2}{6} = \frac{2 \div 2}{6 \div 2} = \frac{1}{3}$ . They ate the same amount!
- Choice D is correct.** (M.4.NBT.A.1) From the chart, read the digits left to right: thousands 3, hundreds 5, tens 2, ones 6. This forms **3,526**. ✓
- Choice C is correct.** (M.4.G.A.3) Squares have 4 lines and regular hexagons have 6. Pentagons with 5 sides have 5 symmetry lines, and octagons with 8 sides have 8 lines. Circles win with infinitely many! The answer is A regular polygon with 5 or more sides or a circle.
- Choice D is correct.** (M.4.OA.A.1) "7 times as many" is a multiplication clue:  $2 \times 7 = 14$  stickers.
- Choice A is correct.** (M.4.NF.A.1a) All fractions have denominator 12, so compare numerators:  $3 < 5 < 7$ . The order from least to greatest is  $\frac{3}{12}, \frac{5}{12}, \frac{7}{12}$ .
- Choice A is correct.** (M.4.MD.A.2) Diego's pencil is 24 cm and Ava's is 19 cm. Find the difference by subtracting:  $24 - 19 = 5$  cm. The difference is **5** centimeters.
- Choice A is correct.** (4.NF.B.3b) When the denominators match, add the numerators!  $4 + 5 = 9$ , so we get  $\frac{4}{10} + \frac{5}{10} = \frac{9}{10}$ . ✓
- Choice A is correct.** (M.4.NBT.B.5) Split by tens:  $16 \times (30 + 5) = 480 + 80 = \mathbf{560}$  trees.
- Choice A is correct.** (M.4.MD.C.7) The angle is split into two parts. Subtract to find the missing part:  $175^\circ - 96^\circ = \mathbf{79^\circ}$ .
- The correct answer is A, C.** (M.4.OA.A.3) Two steps lead to two true statements! Step 1:  $240 \div 5 = 48$  pencils per grade—that matches choice A. Step 2:  $48 - 15 = 33$  left after practice—that matches choice C. Choice B (50) and D (35) come from wrong arithmetic, and E confuses "240 distributed" with "300 total."
- Choice D is correct.** (M.4.MD.B.4) Count X marks at values  $\geq \frac{3}{4}$  inch. At  $\frac{3}{4}$  inch: 3 marks. At  $\frac{5}{4}$  inches: 2 marks. At  $\frac{7}{4}$  inches: 1 mark. Total:  $3 + 2 + 1 = \mathbf{6}$  marks.
- Choice A is correct.** (4.NBT.A.1) We're rounding to the nearest hundred. Look at the tens digit: 2. Since  $2 < 5$ , we round DOWN. The hundreds digit stays at 6, so Ava read about **4,600** pages. ✓
- Choice A is correct.** (4.NF.B.3b) Diego read on two days. Both amounts have the same tenths:  $4 + 5 = 9$  tenths, so  $\frac{9}{10}$  of the book.
- Choice A is correct.** (M.4.G.A.1) The blue distance markers show that these parallel lines stay exactly the same distance apart all the way down. That's what makes them parallel!
- Choice B is correct.** (M.4.G.A.2) An acute triangle is identified by all three angles being less than 90 degrees. When all angles are acute, the triangle itself is classified as acute. The answer is **B**.
- Choice D is correct.** (M.4.OA.B.4) Check the differences:  $18 - 9 = 9$ ,  $27 - 18 = 9$ . Each increases by 9 (multiples of 9). ✓
- Choice D is correct.** (M.4.NBT.A.2) From the chart: thousands  $\rightarrow$  2,000, hundreds  $\rightarrow$  800, tens  $\rightarrow$  10, ones  $\rightarrow$  4 ✓
- Choice A is correct.** (4.NF.B.3b) The chocolate bar is shared, but some is left over. Step 1: Add what was eaten:  $\frac{5}{10} + \frac{3}{10} = \frac{8}{10}$ . Step 2: Subtract from the whole:  $\frac{10}{10} - \frac{8}{10} = \frac{2}{10}$  left uneaten.
- Choice C is correct.** (M.4.NF.B.4) The fraction  $\frac{7}{9}$  has numerator 7 and denominator 9. This means 7 copies of  $\frac{1}{9}$ . So the missing denominator is 9.



Cheer Squad Final Pep Talk

---

## Hi, Math Star!

◇ 5 practice tests! That's a LOT of work, and you did it ALL. I am cheering so loud right now. You earned every clap and every cheer! ◇

★ **Cheerleader truth:** confidence is built by showing up. You showed up 5 times. That's real confidence. It is not pretend! ★

### Cheer Roll Call

- **Effort:** 100% YOU SHOWED UP!
- **Heart:** BIG!
- **Skills:** STRONG and growing!
- **Spirit:** BRIGHT!

**Cheer tip:** on test day, be your own cheerleader. Whisper to yourself: "I can do this. I practiced." Tiny cheers make a big difference!

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 Cheerleader

# 5 PRACTICE TESTS. BUILD SKILLS. BOOST CONFIDENCE!

This **Grade 4 Math Practice Tests** book is designed to help students master essential math concepts, improve problem-solving skills, and build the confidence they need to excel.

With 5 full-length practice tests, a variety of question types, and detailed answer explanations, students get the practice they need to understand math, strengthen critical thinking, and perform their best on test day and beyond.

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## PERFECT FOR:

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- ✓ Homework & Review
- ✓ Independent Learning
- ✓ Test Preparation
- ✓ Skill Reinforcement
- ✓ Confidence Building

★ CONFIDENCE TODAY.  
SUCCESS TOMORROW!

## WHAT STUDENTS WILL GAIN



### Stronger Math Skills

Build a solid foundation through targeted practice and review.



### Better Problem Solving

Develop logical thinking and effective solution strategies.



### Test Confidence

Become familiar with test-style questions and formats.



### Track Progress

Measure growth across multiple practice tests.



### Master Key Concepts

Reinforce important skills aligned with grade-level standards.



### Prepare for Success

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## TOPICS COVERED

- ✓ Place Value & Number Sense
- ✓ Addition & Subtraction
- ✓ Multiplication & Division
- ✓ Fractions & Equivalent Fractions
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- ✓ Perimeter & Area
- ✓ Data, Graphs & Line Plots
- ✓ Patterns & Algebraic Thinking
- ✓ Word Problems
- ✓ And More!



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5 Full-Length Practice Tests



Standards-Aligned



Build Confidence and Skills



Mixed Question Types



Answer Key Included

A+