

# 6 Wisconsin Forward Exam

## GRADE 4 MATH PRACTICE TESTS

Standards-Aligned Review with  
Mixed Practice and Answer Key



**MASTER KEY MATH CONCEPTS**  
**BUILD CONFIDENCE FOR TEST DAY**

**INCLUDES COMPREHENSIVE ANSWER KEY**  
**ALIGNED STATE STANDARDS**

# 6 Wisconsin Forward Exam Grade 4 Math Practice Tests

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



Six 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!

Six steady rounds on the Badger State math route

This book gives you six 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?

Six tests, 180 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 4–6	Skill-building rounds with fractions, measurement, area, data, and two-step problems.
Tests 4–6	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.

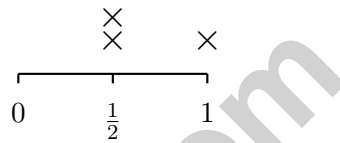


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& answers

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- 1) A straight angle of  $180^\circ$  is divided into four equal angles. What is the measure of each angle?
- A.  $45^\circ$                        C.  $36^\circ$   
 B.  $90^\circ$                        D.  $60^\circ$
- 2) Look at the line plot of measurements in halves of an inch. How many X marks are above  $\frac{1}{2}$  inch?

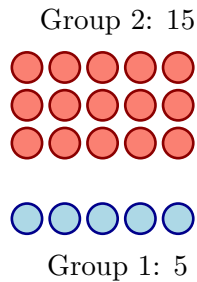


- A. 1                                       C. 3  
 B. 2                                       D. 4
- 3) A bakery bakes 3 batches of rolls. Each batch makes 28 rolls. The rolls go into boxes of 8. How many complete boxes can they fill?



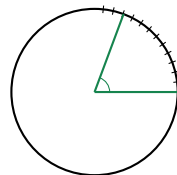
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4) Look at the counter groups. Which statement is true?



- A. Group 1 has 3 times as many as Group 2  
 B. Group 1 has 2 times as many as Group 2  
 C. Both groups are equal  
 D. Group 2 has 3 times as many as Group 1
- 5) Maya has 2 hours 30 minutes to complete a project. She works for 1 hour 45 minutes. How much time does she have left?

- A. 45 minutes  
 B. 75 minutes  
 C. 1 hour  
 D. 1 hour 15 minutes



- 6) This angle has regular tick marks up to  $70^\circ$ . How many one-degree angles does it show?

- A. 7 one-degree angles  
 B. 14 one-degree angles  
 C. 70 one-degree angles  
 D. 140 one-degree angles

7) What is  $4,125 \div 5$ ?

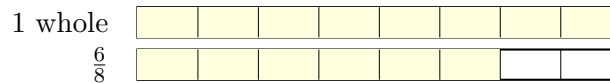
A. 805

C. 825

B. 815

D. 835

8) A board is  $\frac{14}{8}$  inches long. Decompose this as a mixed number:



A.  $1\frac{6}{8} = \frac{8}{8} + \frac{6}{8}$

C.  $1\frac{3}{8} = \frac{8}{8} + \frac{3}{8}$

B.  $2\frac{1}{8} = \frac{16}{8} + \frac{1}{8}$

D.  $1\frac{5}{8}$  inches

9) A quadrilateral has tick marks on all four sides. How many equal sides are marked?



10) Round 93,847 to the nearest hundred.

A. 94,000

C. 93,900

B. 93,850

D. 93,800

11) Which sum is correct?

A.  $\frac{7}{10} + \frac{10}{100} = \frac{80}{100}$

C.  $\frac{7}{10} + \frac{10}{100} = \frac{7}{10}$

B.  $\frac{7}{10} + \frac{10}{100} = \frac{17}{110}$

D.  $\frac{7}{10} + \frac{10}{100} = \frac{7}{100}$



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1) What is  $\frac{1}{4}$  equivalent to if you multiply the numerator and denominator by 2?

A.  $\frac{2}{8}$

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

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

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

2) Subtract:  $10,000 - 4,567 = ?$

3) What is the sum of the following unit fractions:  $\frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4}$ ?

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

B.  $\frac{4}{16}$

C.  $\frac{1}{4}$

D.  $\frac{1}{16}$

4) A pattern of dots is arranged in rows:

•

Figure 1

•••

Figure 2

•••  
•••

Figure 3

If the pattern continues, how many dots are in Figure 4?

A. 12

B. 20

C. 18

D. 16



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5) At a bake sale,  $\frac{7}{12}$  of the cookies were sold in the morning. In the afternoon,  $\frac{3}{12}$  more were sold. How much remains unsold?

A.  $\frac{4}{12}$

B.  $\frac{10}{12}$

C.  $\frac{2}{12}$

D.  $\frac{12}{12}$

6) Which best represents  $\frac{10}{6}$  as a mixed number?

A.  $1\frac{2}{6}$

B.  $1\frac{4}{6}$

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

 D.  $\frac{10}{6}$  cannot be a mixed number

7) A gear rotates  $\frac{7}{12}$  of a full turn, then rotates an additional  $\frac{1}{12}$  turn. What is the total rotation in degrees?

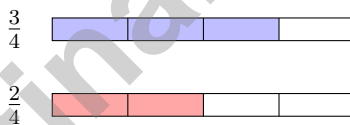
A.  $180^\circ$

B.  $210^\circ$

C.  $240^\circ$

D.  $270^\circ$

8) Look at the fraction bars below. Which comparison is correct?



A.  $\frac{3}{4} < \frac{2}{4}$

B.  $\frac{2}{4} > \frac{3}{4}$

C.  $\frac{3}{4} = \frac{2}{4}$

D.  $\frac{3}{4} > \frac{2}{4}$

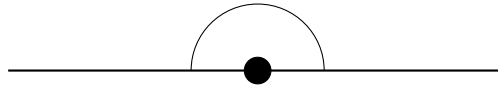
9) A student says  $0.5 > 0.45$  because 5 is greater than 45. Is this reasoning correct?

 A. Yes, the student is correct

 B. No, you must compare place values, not digits

 C. No,  $0.45 > 0.5$ 
 D. The comparison cannot be made


1)



The angle shown above is:

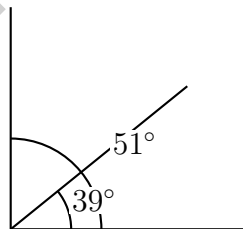
- A. an acute angle                       C. an obtuse angle  
 B. a right angle                         D. a straight angle

2) Look at the fraction bar divided into 5 equal parts. How many unit fractions of  $\frac{1}{5}$  are shaded?



- A. 2 unit fractions                       C. 4 unit fractions  
 B. 3 unit fractions                       D. 5 unit fractions

3) Two pieces of ribbon are arranged at a vertex. The first ribbon makes an angle of  $39^\circ$  and the second makes an angle of  $51^\circ$ . Together, what angle do the ribbons form?



- A.  $90^\circ$                                        C.  $39^\circ$   
 B.  $51^\circ$                                        D.  $130^\circ$



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& answers

4) Which comparison is correct?

A.  $\frac{2}{3} < \frac{1}{2}$

B.  $\frac{2}{3} = \frac{1}{2}$

C.  $\frac{2}{3} > \frac{1}{2}$

D.  $\frac{2}{3} < \frac{3}{6}$

5) Which shows the same value in all three forms?

A.  $\frac{8}{10}$ , 0.8, 0.08

B.  $\frac{80}{100}$ , 0.8, 0.80

C.  $\frac{8}{100}$ , 0.8, 8 hundredths

D.  $\frac{8}{10}$ , 0.10,  $\frac{80}{100}$

6) How many factor pairs does 28 have?

7) Which statement correctly compares these two angles?

Angle 1



Angle 2

 A. Angle 1 is obtuse; Angle 2 is acute B. Angle 1 is acute; Angle 2 is obtuse C. Both angles are right angles D. Both angles are the same size

8) A reading challenge requires finishing  $\frac{9}{12}$  of a book this week and  $\frac{2}{12}$  next week. After both weeks, how much of the book is left?

A.  $\frac{1}{12}$

B.  $\frac{11}{12}$

C.  $\frac{7}{12}$

D.  $\frac{12}{12}$



## 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 A is correct.** (M.4.MD.C.7) Split the straight angle into 4 equal parts:  $180^\circ \div 4 = 45^\circ$ .
- Choice B is correct.** (M.4.MD.B.4) On the line plot, count the X marks stacked above  $\frac{1}{2}$  inch. There are exactly **2** X marks.
- The correct answer is 10.** (M.4.OA.A.3) Two steps! Step 1: total rolls:  $3 \times 28 = 84$  rolls. Step 2: pack into boxes of 8:  $84 \div 8 = 10$  remainder 4. The 4 extra rolls don't fill a box, so they fill **10** complete boxes.
- Choice D is correct.** (M.4.OA.A.1) Divide the larger group by the smaller:  $15 \div 5 = 3$ . So Group 2 has **3** times as many counters as Group 1.
- Choice A is correct.** (M.4.MD.A.2) Convert to minutes: 2 hours 30 minutes = 150 minutes. She works 1 hour 45 minutes = 105 minutes. Subtract:  $150 - 105 = 45$  minutes. She has **45** minutes left.
- Choice C is correct.** (M.4.MD.C.5) The angle extends to  $70^\circ$  as marked, so it contains **70** one-degree angles.
- Choice C is correct.** (M.4.NBT.B.6) Long division:  $4 \div 5 = 0$  r4, bring down the 1 to get  $41 \div 5 = 8$  r1, bring down the 2 to get  $12 \div 5 = 2$  r2, bring down the 5 to get  $25 \div 5 = 5$ . Answer: **825**.
- Choice A is correct.** (4.NF.B.3b) The board is  $\frac{14}{8}$  inches. One whole is  $\frac{8}{8}$ , leaving  $14 - 8 = 6$  eighths more. So  $1\frac{6}{8} = \frac{8}{8} + \frac{6}{8} \checkmark$ .
- The correct answer is 4.** (M.4.G.A.2) Tick marks on all four sides of the figure show that all four sides have equal length. The answer is **4**.
- Choice D is correct.** (4.NBT.A.1) We're rounding to the nearest hundred. Look at the tens digit: 4. Since  $4 < 5$ , we round DOWN. The hundreds digit stays at 8, giving us **93,800**.  $\checkmark$
- Choice A is correct.** (M.4.NF.C.5) Convert  $\frac{7}{10}$  to hundredths:  $\frac{7}{10} = \frac{70}{100}$ . Now add:  $\frac{70}{100} + \frac{10}{100} = \frac{80}{100}$ .
- Choice D is correct.** (4.NBT.B.4) Add from right to left: ones  $6 + 4 = 10$  (carry 1), tens  $7 + 3 + 1 = 11$  (carry 1), hundreds  $8 + 2 + 1 = 11$  (carry 1), thousands  $9 + 0 + 1 = 10$  (carry 1). The sum is **40,110**.
- Choice B is correct.** (M.4.MD.C.5) The vertex is the point where the two rays of an angle meet.
- Choice D is correct.** (M.4.NBT.A.2) From the chart: ten-thousands and thousands give "fifty-three thousand"; hundreds and tens give "seven hundred ninety"  $\checkmark$
- Choice B is correct.** (4.NF.B.3b) The pie chart shows three slices: yellow ( $\frac{3}{12}$ ), orange ( $\frac{4}{12}$ ), and red ( $\frac{5}{12}$ ). Add them all:  $3 + 4 + 5 = 12$  twelfths = **1** whole pie.
- Choice D is correct.** (M.4.NBT.B.5) The standard algorithm: multiply by ones ( $37 \times 6 = 222$ ), then by tens ( $37 \times 20 = 740$ ), then add ( $222 + 740 = 962$ ). Choice D shows all three numbers.
- Choice C is correct.** (M.4.OA.B.4) Each term adds 3: 9, 12, 15, **18**. The 4th term is **18**.
- The correct answer is D, E.** (M.4.NF.B.4) Check each option: A gives  $\frac{3}{4}$ , B gives  $\frac{2}{3}$ , C gives  $\frac{2}{3}$ . Only D ( $5 \times \frac{1}{5} = 1$ ) and E ( $2 \times \frac{1}{2} = 1$ ) equal 1 whole.
- Choice C is correct.** (M.4.OA.B.4) A *prime* number has exactly two factors: 1 and itself. Try dividing 17: it doesn't divide evenly by 2, 3, 4, or 5, so its only factors are 1 and 17—prime! The others are *composite*:  $9 = 3 \times 3$ ;  $15 = 3 \times 5$ ;  $21 = 3 \times 7$ .
- Choice D is correct.** (M.4.NF.B.4) We take 3 copies of  $\frac{2}{6}$ . Multiply:  $3 \times \frac{2}{6} = \frac{3 \times 2}{6} = \frac{6}{6} = 1$ . The answer is **1**.
- Choice D is correct.** (M.4.NF.A.1a) Circle A shows  $\frac{1}{3}$  shaded (120 degrees). Circle B has 6 parts. Multiply numerator and denominator by 2:  $\frac{1}{3} = \frac{1 \times 2}{3 \times 2} = \frac{2}{6}$ .
- Choice D is correct.** (M.4.OA.A.2) "4 times as many" tells us to multiply:  $4 \times 11 = 44$  colored pencils.
- Choice A is correct.** (M.4.NF.C.5) Roughly four columns (out of 10) are shaded. That's about 40 out of 100 squares:  $\frac{40}{100} = 0.40 = 0.4$ .
- Choice B is correct.** (M.4.NF.B.4) The multiplication  $6 \times \frac{1}{8}$  tells us to take 6 copies of  $\frac{1}{8}$ . Combining them gives us  $\frac{6}{8}$ .
- Choice B is correct.** (4.NF.B.3b) Add the wholes:  $2 + 1 + 1 = 4$ . Add the fractions:  $\frac{5}{10} + \frac{3}{10} + \frac{1}{10} = \frac{9}{10}$ . The sum is  $4\frac{9}{10}$ .



## Hi, Hero!

◇ Once there was a Grade 4 student who took 6 practice tests. At first, the math was tricky. But this student kept showing up, kept trying, and kept learning. By the end, the student became a math hero. That hero is you! ◇

★ **Storytellers know:** every story has a hard middle. The hard middle is where heroes grow. You lived your hard middle. Your story ends with confidence! ★

### Your Hero Toolkit

- **Brave Heart:** You try hard problems.
- **Sharp Mind:** You think carefully before you act.
- **Steady Hand:** You write neatly and check.
- **Kind Spirit:** You are patient with yourself.

**Storyteller tip:** on test day, remember the hero you became. The chapters before today made you stronger. Now write your best chapter!

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 Storyteller

# PRACTICE TODAY, SUCCEED TOMORROW!

This **Grade 4 Math Practice Tests** book is the perfect tool to help students strengthen their math skills, master important concepts, and build confidence for test success.

With 6 full-length practice tests, a variety of question types, and detailed answer explanations, students get the review and practice they need to improve accuracy, develop critical thinking, and achieve their best.

Ideal for classroom use, homework, test preparation, and extra practice at home.

## PERFECT FOR:

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

★ **CONFIDENCE IN MATH.  
SUCCESS FOR LIFE.**

## 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

Build the confidence needed to do your best on test day.

## TOPICS COVERED

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



Visit [testinar.com/math4](https://testinar.com/math4) for additional Grade 4 math resources and practice materials.

## MORE PRACTICE. GREATER RESULTS.

Give your child the tools needed to develop strong math skills, confidence, and a positive attitude toward learning.

**BUILT FOR LEARNING.  
DESIGNED FOR SUCCESS.**



Builds Confidence Through Practice



Strengthens Critical Thinking & Problem Solving



Encourages Independent Learning



Prepares Students for Test Day Success