

8

Wisconsin

Forward Exam

GRADE 4

PRACTICE TESTS



1

$$2 \times 3 = 6$$

3

5

$$2 \times 3 = 6$$

2

4



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

**COMPREHENSIVE
TEST PREP**

Includes Solutions

8 Wisconsin Forward Exam Grade 4 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Eight 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!

Eight steady rounds on the Badger State math route

This book gives you eight 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?

Eight tests, 240 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 6–8	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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1) Look at the base-ten model below. What number does it represent?



- A. 6,142
- B. 4,612
- C. 1,462
- D. 4,162

2) If $\frac{6}{8} = \frac{2}{8} + \underline{\hspace{2cm}}$, what fraction completes the decomposition?

3) A bookstore sells 12 new books per day for 15 days. The store also has 18 older books on a display shelf. Not counting the older books, how many new books did the bookstore sell?

- A. 120
- B. 198
- C. 200
- D. 180 books

4) A quadrilateral has two pairs of opposite sides that are equal and parallel. Is this figure a rectangle?

- A. Yes, always
- B. No, never
- C. Only if it has right angles
- D. Only if all four sides are equal



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5) Which numeral represents “four hundred twenty-three thousand, fifty-one”?

A. 423,501

C. 42,351

B. 423,510

D. 423,051

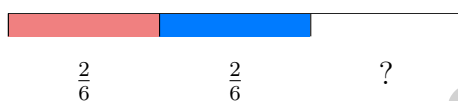
6) How does 0.4 compare to 0.40?

A. $0.4 < 0.40$

C. $0.4 = 0.40$

B. $0.4 > 0.40$

D. $0.4 = 0.04$



7)

A fabric strip shows three equal parts. The red part is $\frac{2}{6}$ and the blue part is $\frac{2}{6}$. What fraction is white?

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

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

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

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

8) Sam has a rectangular sheet of paper. It is 11 inches long and 9 inches wide. What is its area?

A. 20 sq in

C. 99 sq in

B. 40 sq in

D. 110 sq in

9) A class recorded toy block heights in fourths of an inch: $\frac{1}{4}$, $\frac{2}{4}$, $\frac{3}{4}$, $\frac{1}{4}$, $\frac{2}{4}$, $\frac{1}{4}$. When plotted, what is the mode (most common measurement)?

A. $\frac{1}{4}$ in

C. $\frac{3}{4}$ in

B. $\frac{2}{4}$ in

D. 1 in



10) Ava had $\frac{7}{8}$ of a chocolate bar. She gave $\frac{2}{8}$ to her friend. How much does she have left?

- A. $\frac{5}{8}$
 B. $\frac{9}{8}$

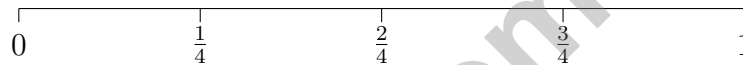
- C. $\frac{5}{16}$
 D. $\frac{1}{8}$

11) How many copies of $\frac{1}{3}$ are in $\frac{3}{3}$?

- A. 1
 B. 2

- C. 3
 D. 6

12) A number line has 4 equal parts from 0 to 1. Which fraction represents 3 of those parts?



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

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

13) When measuring an angle, which edge of the protractor must one ray of the angle lie along?

- A. The straight baseline edge
 B. The rounded edge

- C. The left curved side
 D. Any edge works equally well

14) Ava drinks $\frac{1}{4}$ cup of juice 4 times a day. How much juice does she drink altogether?

- A. $\frac{4}{4}$ cup or 1 cup
 B. $\frac{1}{16}$ cup

- C. $\frac{4}{1}$ cup
 D. $\frac{2}{4}$ cup



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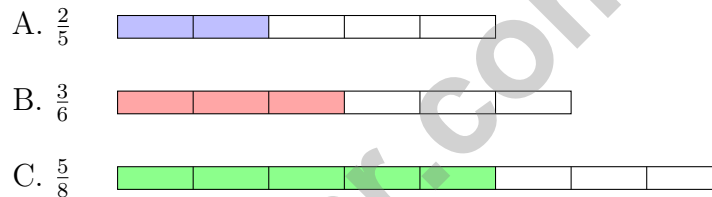
1) Which quadrilateral always has four right angles?

- A. Trapezoid C. Rhombus
 B. Rectangle D. Parallelogram

2) A decreasing pattern starts at 96 and divides by 2 each time. What is the 4th term?

- A. 6 C. 24
 B. 48 D. 12

3) Which fraction bar represents a fraction greater than $\frac{1}{2}$?



- A. $\frac{2}{5}$ C. $\frac{5}{8}$
 B. $\frac{3}{6}$ D. None are greater

4) A digit has a value of 600. In which place is this digit located?

- A. Ones C. Hundreds
 B. Tens D. Thousands

5) Diego spins a wheel. The wheel rotates 135° . What fraction of a full turn is this?

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

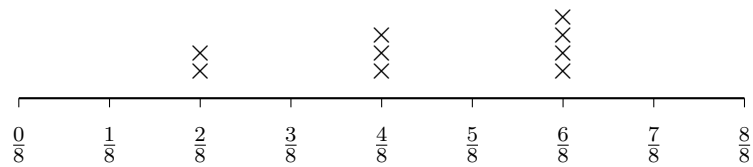


6) A container of juice has $\frac{9}{10}$ liter. After serving some drinks, $\frac{4}{10}$ liter is left. How much juice was served?

- A. $\frac{5}{10}$
 B. $\frac{13}{10}$

- C. $\frac{4}{10}$
 D. $\frac{1}{10}$

7) A line plot shows data in eighths:



If all measurements at $\frac{6}{8}$ inch are removed, how many X marks remain on the line plot?

- A. 3
 B. 4

- C. 5
 D. 6

8) Elena has 2 ropes. Each rope is $\frac{3}{4}$ meter long. How much rope does she have altogether?

- A. $\frac{6}{4}$ meters or $1\frac{2}{4}$ meters
 B. $\frac{2}{4}$ meter

- C. $\frac{3}{8}$ meter
 D. $\frac{3}{4}$ meter

9) Which pair are both factors of 36?

- A. 4 and 8
 B. 6 and 7

- C. 6 and 9
 D. 8 and 9



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1) A rectangle has a length of 7 cm and a width of 5 cm. What is its area?

- A. 35 sq cm C. 12 sq cm
 B. 24 sq cm D. 49 sq cm

2) Which letter has exactly 2 lines of symmetry?

- A. *K* C. *I*
 B. *N* D. *R*

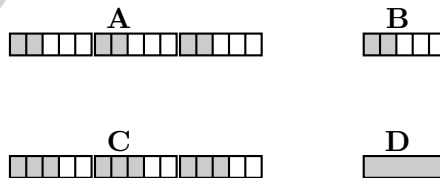
3) Points that lie on the same line are called:

- A. Vertical points C. Parallel points
 B. Collinear points D. Angular points

4) Convert $4\frac{2}{3}$ to an improper fraction.

- A. $\frac{14}{3}$ C. $\frac{10}{3}$
 B. $\frac{12}{3}$ D. $\frac{15}{3}$

5) Which picture shows $3 \times \frac{2}{5}$?



- A. Top-left picture C. Bottom-left picture
 B. Top-right picture D. Bottom-right picture



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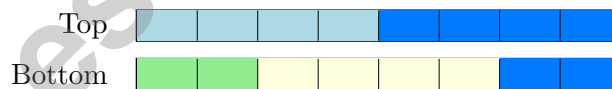
6) Three hops of $\frac{1}{4}$ land at what fraction?

7) On a line plot with fourths, the data are: $\frac{1}{4}$ in, $\frac{2}{4}$ in, $\frac{2}{4}$ in, $\frac{2}{4}$ in, $\frac{3}{4}$ in, $\frac{3}{4}$ in. What measurement has the most X marks?

8) A shape has the following attributes: four sides, four equal sides, and no right angles. Which shape could it be?

- A. Trapezoid C. Rhombus
 B. Rectangle D. Triangle

9) A student draws two bars showing $\frac{8}{8}$:



Which decomposition does the top bar show?

- A. $\frac{4}{8} + \frac{4}{8}$ C. $\frac{1}{8} + \frac{7}{8}$
 B. $\frac{2}{8} + \frac{2}{8} + \frac{2}{8} + \frac{2}{8}$ D. $\frac{3}{8} + \frac{5}{8}$

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 D is correct.** (M.4.NBT.A.1) Count the blocks: 4 thousands, 1 hundreds, 6 tens, 2 ones. Add them: $4,000 + 100 + 60 + 2 = 4,162$. ✓
- The correct answer is $\frac{4}{8}$.** (4.NF.B.3b) We need numerators to sum to 6. We have 2, so the missing piece is $6 - 2 = 4$ eighths: $\frac{4}{8}$. ✓
- Choice D is correct.** (M.4.OA.A.3) Watch out for extra information! The 18 older books are not new sales, so we ignore them. Just multiply: $12 \text{ books/day} \times 15 \text{ days} = 180$ new books sold.
- Choice C is correct.** (M.4.G.A.2) A parallelogram is defined by having two pairs of opposite sides that are equal and parallel. A figure is a rectangle only when it also has four right angles at each corner. The answer is C.
- Choice D is correct.** (M.4.NBT.A.2) Thousands: 423, ones: 51. Combined: $423,000 + 51 = 423,051$. ✓
- Choice C is correct.** (M.4.NF.C.5) A trailing zero doesn't change the value. Both 0.4 and 0.40 represent the same amount: 4 tenths, or 40 hundredths.
- Choice A is correct.** (4.NF.B.3b) The fabric strip shows three parts. Red and blue are filled, white is empty. Step 1: Add the colored parts: $\frac{2}{6} + \frac{2}{6} = \frac{4}{6}$. Step 2: Subtract from the whole: $\frac{6}{6} - \frac{4}{6} = \frac{2}{6}$ is white.
- Choice C is correct.** (M.4.MD.A.3) Paper area = $11 \times 9 = 99$ sq in.
- Choice A is correct.** (M.4.MD.B.4) Count the heights: $\frac{1}{4}$ in appears 3 times (the mode!), $\frac{2}{4}$ in appears 2 times, and $\frac{3}{4}$ in appears 1 time. So $\frac{1}{4}$ in is most common.
- Choice A is correct.** (4.NF.B.3b) Ava gives away $\frac{2}{8}$ from her $\frac{7}{8}$. Subtract: $7 - 2 = 5$ eighths left. Answer: $\frac{5}{8}$.
- Choice C is correct.** (M.4.NF.B.4) One whole is $\frac{3}{3}$, which equals $3 \times \frac{1}{3}$. So there are **3** thirds in one whole.
- Choice D is correct.** (4.NF.B.3b) The number line is divided into 4 equal parts. Three of those parts takes us to $\frac{3}{4} = \frac{1}{4} + \frac{1}{4} + \frac{1}{4}$.
- Choice A is correct.** (M.4.MD.C.6) The protractor has a flat edge (the baseline) where one ray must sit. This ray should align with the 0° mark on that straight edge. The curved edge is for reading the degree measure, not for placing the rays. The answer is the straight baseline edge.
- Choice A is correct.** (M.4.NF.B.4) Ava drinks $\frac{1}{4}$ cup 4 times, so we calculate $4 \times \frac{1}{4} = \frac{4 \times 1}{4} = \frac{4}{4} = 1$ cup. The answer is 1 cup.
- The correct answer is A, B.** (M.4.G.A.3) Choice A is correct because a regular pentagon has exactly 5 lines of symmetry. Choice B is correct because a regular hexagon has exactly 6. Choice C is wrong (equilateral triangles have 3, not 6). Choice D is wrong (regular octagons have 8, not 4). Choice E is wrong because different regular polygons have different numbers of symmetry lines!
- The correct answer is 12.** (M.4.MD.C.5) Divide the full circle by 30 degrees: $360^\circ \div 30^\circ = 12$ angles needed.
- Choice C is correct.** (M.4.MD.A.2) The game starts at 6:00 p.m. and ends at 8:30 p.m. From 6:00 to 8:00 is 2 hours, plus 30 more minutes. Total: 2 hours 30 minutes. The game is **2** hours **30** minutes long.
- Choice D is correct.** (M.4.G.A.1) A straight angle is like opening a book all the way flat — it makes a perfectly straight line measuring 180° .
- Choice D is correct.** (M.4.OA.A.2) "5 times as many" is a multiplication signal. Her brother has 5 groups of Jada's 3 stickers: $5 \times 3 = 15$ stickers.
- Choice D is correct.** (M.4.NF.A.1a) Multiply both top and bottom by 3: $\frac{2}{5} = \frac{2 \times 3}{5 \times 3} = \frac{6}{15}$.
- Choice C is correct.** (M.4.OA.B.4) Divisibility rule for 10: the last digit must be exactly 0. Only 70 ends in 0, so $70 \div 10 = 7$.
- Choice B is correct.** (M.4.MD.C.5) Point V marks the vertex—the point where the two rays meet.
- The correct answer is 42.** (M.4.MD.C.5) Noah's angle measures 42° , meaning it contains **42** one-degree angles.
- Choice D is correct.** (M.4.NBT.B.5) Think: $3 \times 24 = 3 \times (20 + 4) = 60 + 12 = 72$ chairs.
- Choice A is correct.** (M.4.NBT.B.6) Use long division: $23 \div 5 = 4$ r3, bring down the 1 to get $31 \div 5 = 6$ r1, bring down the 0 to get $10 \div 5 = 2$. Each person gets **462** beads.



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◇ Once there was a Grade 4 student who took 8 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.

Jay Daie

Your Math Storyteller

8 PRACTICE TESTS. PREPARE. PRACTICE. SUCCEED!

This **Grade 4 Math Practice Tests** book is designed to help students build strong math skills, master essential concepts, and boost confidence for success in the classroom and beyond.

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