

9

Wisconsin Forward Exam

GRADE 4

MATH

PRACTICE TESTS

Standards-Aligned Review with
Mixed Practice and Answer Key



**9 FULL-LENGTH
PRACTICE TESTS**



**STANDARDS-ALIGNED
REVIEW**



**MIXED PRACTICE
BUILD SKILLS & CONFIDENCE**



**ANSWER KEY
FOR ALL TESTS**



$$\frac{3}{4} + \frac{1}{4} = 1$$



$$725 - 358 = 367$$

PREPARE
PRACTICE
SUCCEED
PERFORM

**PRACTICE TODAY.
SUCCEED TOMORROW.**

9 Wisconsin Forward Exam Grade 4 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Nine 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!

Nine steady rounds on the Badger State math route

This book gives you nine 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?

Nine tests, 270 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 7–9	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) Give one decimal greater than 0.5 and less than 0.8.

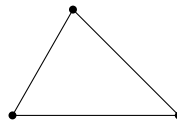
- 2) What does a point represent in geometry?

- A. An exact location with no size or shape
- B. A small circle on a diagram
- C. The corner of a shape
- D. The space between two lines

- 3) Which decimal is the same as $\frac{40}{100}$?

- A. 0.04
- B. 0.40
- C. 0.004
- D. 4.0

- 4) Look at the triangle. All three sides have different lengths. What type is it?



All sides have
different lengths
(no tick marks)

- A. Scalene triangle
- B. Isosceles triangle
- C. Equilateral triangle
- D. Acute triangle



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5) A line plot with eighths shows data at: $\frac{2}{8}$ (2 X marks), $\frac{4}{8}$ (3 X marks), $\frac{6}{8}$ (1 X mark).
What is the range of this data?

- A. $\frac{2}{8}$
 B. $\frac{3}{8}$

- C. $\frac{4}{8}$
 D. $\frac{5}{8}$

6) Which product equals $\frac{8}{12}$?

- A. $2 \times \frac{1}{12}$
 B. $4 \times \frac{1}{12}$

- C. $8 \times \frac{1}{12}$
 D. $12 \times \frac{1}{8}$

7) A toy costs \$15. If Maya buys 5 toys, how much money does she spend in total?

8) A rectangle is 11 meters long and 9 meters wide. What is its area?

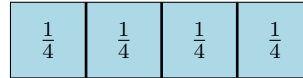
9) Which number is divisible by 3?

- A. 37
 B. 44

- C. 57
 D. 62



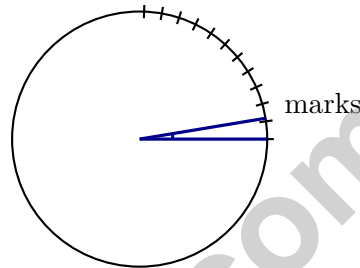
10)



The bar above shows 1 whole divided into fourths. If Sam uses 3 whole bars like this, how many fourths does he use?

- A. $\frac{3}{4}$
 C. $\frac{3}{12}$
 B. $\frac{12}{4}$ (or 3 wholes)
 D. $\frac{1}{4}$

11)



Diego's angle is small and sits just past the 8° tick mark. About how many one-degree angles is it?

- A. 8 one-degree angles
 C. 10 one-degree angles
 B. 9 one-degree angles
 D. 16 one-degree angles
- 12) Noah buys 8 boxes of cookies. Each box has 22 cookies. How many cookies does Noah buy?
- A. 154
 C. 160
 B. 200
 D. 176



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1) A rope measures 1,200 centimeters. How many meters is this?

- A. 12
 B. 120

- C. 1,200
 D. 120,000

2) Which expression does NOT equal $\frac{7}{10}$?

- A. Seven unit fractions of $\frac{1}{10}$
 B. $\frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10}$

- C. $\frac{1}{7} + \frac{1}{7} + \frac{1}{7} + \frac{1}{7} + \frac{1}{7} + \frac{1}{7} + \frac{1}{7}$
 D. 7 parts out of 10

3) A school has 156 students going on a field trip. Each bus holds 24 students. How many buses do they need to rent to fit all students?

- A. 6 buses
 B. 8 buses

- C. 5 buses
 D. 7 buses

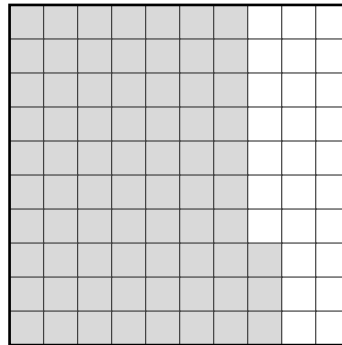
4) How is $\frac{80}{100}$ written as a fraction with denominator 10?

- A. $\frac{80}{10}$
 B. $\frac{8}{10}$
 C. $\frac{8}{100}$

- D. Cannot be written with denominator 10

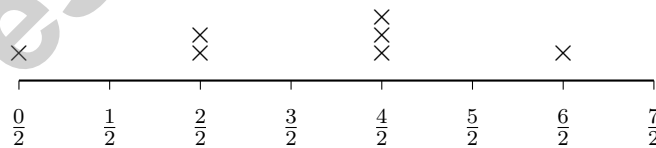


5) Look at the grid below with hundredths shaded.



What decimal is shown?

- A. 0.62
 - B. 0.72
 - C. 0.73
 - D. 0.82
- 6) A baker divides 540 cookies equally among 6 friends. How many cookies does each friend receive?
- A. 80
 - B. 95
 - C. 90
 - D. 85
- 7) Look at this line plot with halves:



How many measurements shown are between $\frac{1}{2}$ and 2 inches (inclusive)?

- A. 3
- B. 4
- C. 5
- D. 6

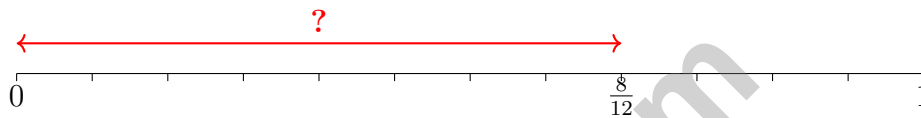


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1) At the farmers market, Noah's apple weighs 0.22 kg and Lin's apple weighs 0.27 kg. Whose apple is heavier?

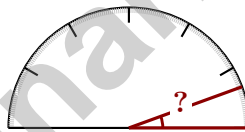
- A. Noah's apple (0.22 kg) D. Cannot tell without more information
 B. Lin's apple (0.27 kg)
 C. Both apples weigh the same

2) A number line shows equal hops of $\frac{1}{12}$. How many hops reach $\frac{8}{12}$?



- A. 4 hops C. 8 hops
 B. 6 hops D. 12 hops

3)



What is the measure of the angle shown?

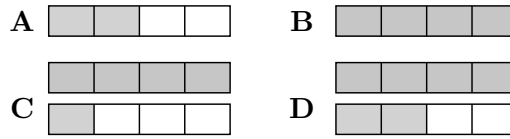
- A. 30 degrees C. 45 degrees
 B. 20 degrees D. 60 degrees

4) A factory starts with 200 toy cars. They sell 50 cars. Then they pack the remaining cars into boxes of 6. How many complete boxes can they fill?

- A. 24 C. 26
 B. 33 D. 25



5) Which model shows 6 unit fractions of $\frac{1}{4}$ that equal $\frac{6}{4}$?



- A. Picture A
 B. Picture B

- C. Picture C
 D. Picture D

6) Sam has \$0.25. Write this amount as a fraction of a dollar.

7) A function rule is “add 12.” If the input is 8, what is the output?

- A. 96
 B. 19

- C. 4
 D. 20

8) Noah is training for a race. Each day he jogs $\frac{1}{2}$ mile. If he trains for 4 days, how far does he jog in total?

- A. $\frac{1}{8}$ mile
 B. $\frac{4}{4}$ miles

- C. 2 miles
 D. $\frac{1}{2}$ mile

9) A paint can contains $6\frac{2}{3}$ quarts of paint. After painting a room, $2\frac{1}{3}$ quarts are left. How much paint was used?

- A. $4\frac{1}{3}$
 B. $4\frac{3}{3}$

- C. $8\frac{3}{3}$
 D. $3\frac{2}{3}$



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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

- The correct answer is 0.6.** (M.4.NF.C.5) Any decimal between 0.5 and 0.8 (not including the endpoints) works. For example, 0.6 has 6 tenths, which is more than 0.5's 5 tenths and less than 0.8's 8 tenths. So $0.5 < 0.6 < 0.8$. ✓ Other valid answers: 0.51, 0.55, 0.7, 0.79, etc.
- Choice A is correct.** (M.4.G.A.1) A point is simply a precise spot in space — like marking a location on a map with a pin. It has no length, width, or height; we just draw it as a tiny dot to show where it is.
- Choice B is correct.** (M.4.NF.C.5) Forty hundredths can be written as 0.40 or 0.4. Either way, they're the same value.
- Choice A is correct.** (M.4.G.A.2) A scalene triangle has all three sides of different lengths, with no two sides equal to each other. The absence of tick marks on the sides confirms no sides are equal. The answer is **A**.
- Choice C is correct.** (M.4.MD.B.4) The smallest measurement is $\frac{2}{8}$ and the largest is $\frac{6}{8}$. The range is $\frac{6}{8} - \frac{2}{8} = \frac{4}{8}$.
- Choice C is correct.** (M.4.NF.B.4) Eight twelfths: $8 \times \frac{1}{12} = \frac{8}{12}$.
- The correct answer is 75.** (M.4.MD.A.2) Each toy costs \$15. Maya buys 5 toys. Multiply: $15 \times 5 = 75$ dollars. She spends **75** dollars.
- The correct answer is 99 sq m.** (M.4.MD.A.3) Area = $11 \times 9 = 99$ sq m.
- Choice C is correct.** (M.4.OA.B.4) Divisibility rule for 3: *add the digits*; if the sum divides by 3, the number does too. For 57: $5 + 7 = 12$, and $12 \div 3 = 4$. So $57 \div 3 = 19$. The others fail the digit-sum test: $37 \rightarrow 10$, $44 \rightarrow 8$, $62 \rightarrow 8$.
- Choice B is correct.** (M.4.NF.B.4) Each whole bar shows 4 fourths. If we use 3 whole bars, we have $3 \times 4 = 12$ fourths total, which is $\frac{12}{4}$ or 3 wholes.
- Choice B is correct.** (M.4.MD.C.5) The angle goes slightly beyond the 8° tick mark, so approximately **9** one-degree angles is the best estimate.
- Choice D is correct.** (M.4.NBT.B.5) Separate the place values: $8 \times (20 + 2) = 160 + 16 = \mathbf{176}$ cookies.
- Choice A is correct.** (M.4.G.A.3) This trapezoid has two slanted sides of different lengths (legs), making it lopsided. No fold line can create two matching halves. The answer is **0** lines of symmetry.
- Choice D is correct.** (M.4.OA.A.2) Two steps! Step 1: Grandma gave Lily $4 \times 3 = 12$ more sheets. Step 2: Add what Lily already had: $3 + 12 = 15$ sheets in all.
- The correct answer is A, C.** (M.4.MD.C.7) B is wrong (straight angles can be divided). D is wrong (smaller angles combine to form a right angle). E is wrong ($120^\circ \div 3 = 40^\circ$, not 30°).
- Choice A is correct.** (4.NF.B.3b) Jackson starts with juice and drinks some. Subtract the amount he drinks: $3\frac{5}{6} - 2\frac{2}{6} = 1\frac{3}{6}$ cups of juice remain.
- Choice C is correct.** (M.4.NF.B.4) Each juice bottle holds $\frac{4}{5}$ cup, and there are 3 bottles. Multiply: $3 \times \frac{4}{5} = \frac{3 \times 4}{5} = \frac{12}{5} = 2\frac{2}{5}$ cups. The answer is **2** $\frac{2}{5}$ cups.
- Choice C is correct.** (4.NF.B.3b) Diego wants to give away $\frac{5}{6}$ of his sticker sheets—that's 5 equal pieces out of 6. So $\frac{5}{6} = \underbrace{\frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6}}_{5 \text{ unit fractions}}$.
- Choice A is correct.** (M.4.NF.A.1a) Picture A shows two bars with exactly the same shaded length: $\frac{1}{2}$ (1 of 2 parts) and $\frac{2}{4}$ (2 of 4 parts). They're equivalent! Picture B shows $\frac{1}{2}$ and $\frac{1}{7}$, which are clearly different sizes.
- Choice B is correct.** (M.4.MD.A.1) Check each option. A: 2 m = 200 cm, not 2 cm. B: 5 feet = $5 \times 12 = 60$ inches. Correct! C: 3 L = 3,000 mL, not 30 mL. D: 4 pounds = $4 \times 16 = 64$ ounces, not 48 oz. The answer is **B**.
- Choice A is correct.** (M.4.NBT.B.6) Use long division: $1 \div 3 = 0$ r1, bring down the 9 to get $19 \div 3 = 6$ r1, bring down the 5 to get $15 \div 3 = 5$, bring down the 3 to get $3 \div 3 = 1$. The answer is **651**.
- Choice B is correct.** (M.4.NF.A.1a) All four fractions have numerator 1. Bigger denominators = smaller pieces. So fifths are smaller than thirds: $\frac{1}{5} < \frac{1}{3}$.
- Choice D is correct.** (M.4.OA.B.4) The pattern repeats every 3 items. Position $11 \div 3 = 3$ remainder 2, so the 11th item is the 2nd color: blue. ✓
- Choice C is correct.** (M.4.MD.C.5) From 12 to 9 going clockwise is three-quarters of the clock, which equals **270** $^\circ$.



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Trail Guide's Final Note

Hi, Brave Trail-Walker!

◇ You walked all 9 miles of the practice trail. Smooth paths, steep climbs, narrow passes. Every step taught you something. ◇

★ **Trail guides know:** the most important thing is to keep moving. Slow steps still get you there. You have a steady stride now. ★

Trail Survey

- **Route Knowledge:** You know lots of problem types.
- **Steady Pace:** You don't rush. You don't stop.
- **Pack Loaded:** You have all the math tools you need.
- **Confidence:** You trust your training.

Guide's tip: on test day, stay on the trail you've walked before. Use the strategies you've practiced. Trust the route. The summit is one steady walk away!

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

Jay Daie

Your Math Trail Guide

PRACTICE TODAY. ACHIEVE TOMORROW!

This **Grade 4 Math Practice Tests** book is designed to help students strengthen essential math skills, build confidence, and develop the problem-solving abilities needed for classroom success and test readiness.

With 9 full-length practice tests, students gain repeated exposure to important Grade 4 concepts while learning how to approach questions with accuracy, confidence, and strong mathematical thinking.

Whether used at home, in the classroom, or for independent review, this book provides meaningful practice that helps students grow stronger with every test.

PERFECT FOR:

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

★ **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.



Academic Success

Strengthen skills needed for future learning.

TOPICS COVERED

- ✓ Place Value & Number Sense
- ✓ Multi-Digit Addition & Subtraction
- ✓ Multiplication & Division
- ✓ Fractions & Equivalent Fractions
- ✓ Geometry & Shapes
- ✓ Measurement & Data
- ✓ Perimeter & Area
- ✓ Word Problems
- ✓ Patterns & Algebraic Thinking
- ✓ Graphs & Data Interpretation
- ✓ Mathematical Reasoning
- ✓ And More!



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Strengthens Critical Thinking & Problem Solving



Encourages Independent Learning



Prepares Students for Future Success