

3

Wisconsin

Forward Exam

GRADE 4

MATH

PRACTICE TESTS

Standards-Aligned Review with
Mixed Practice and Answer Key



5 FULL-LENGTH
PRACTICE TESTS



STANDARDS-ALIGNED
REVIEW



MIXED PRACTICE
QUESTIONS



ANSWER KEY
INCLUDED

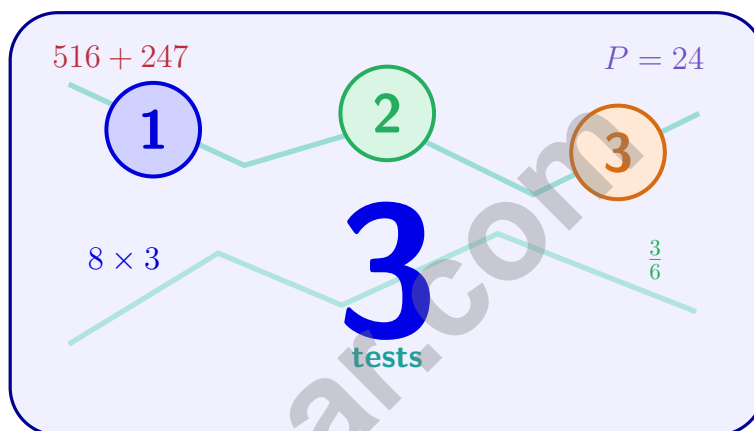
$$a^2 + b^2 = c^2$$

$$\frac{3}{4}$$



3 Wisconsin Forward Exam Grade 4 Math Practice Tests

Standards-Aligned Practice for Stronger Math Skills and Test Readiness



Three 30-question trail tests packed with Grade 4 review, Wisconsin Forward Exam strategy tips, answer keys, and step-by-step explanations that turn every miss into the next move.

Jay Daie and Reza Nazari



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Welcome, Wisconsin Math Explorer!

Three steady rounds on the Badger State math route

This book gives you three full Grade 3 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?

Three tests, 90 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 1–3	Skill-building rounds with fractions, measurement, area, data, and two-step problems.
Tests 1–3	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) Iris has 9 game cards worth 34 points each. What is the total value of all the cards?

- A. 243 points C. 280 points
 B. 380 points D. 306 points

2) What is $\frac{4}{10}$ as a decimal?

- A. 0.04 C. 4.0
 B. 0.4 D. 0.44

3) $\frac{5}{8}$ can be written as $\frac{2}{8} + \frac{2}{8} + \frac{1}{8}$. Which other decomposition is correct?

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

4) Which number sentence is true?

- A. $\frac{3}{4} = \frac{9}{12}$ C. $\frac{1}{4} = \frac{2}{12}$
 B. $\frac{2}{5} = \frac{4}{12}$ D. $\frac{5}{6} = \frac{10}{11}$

5) Which is true?

- A. $0.5 > \frac{6}{10}$ C. $0.5 = \frac{5}{10}$
 B. $0.5 < \frac{4}{10}$ D. $0.5 = \frac{5}{100}$

6) A toy costs \$8. A game costs 4 times as much. How much does the game cost?

- A. \$12 C. \$2
 B. \$4 D. \$32



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7) An acute angle measures less than how many degrees?

8) A baker measured flour scoops in eighths of a cup. The measurements are: $\frac{2}{8}$, $\frac{3}{8}$, $\frac{2}{8}$, $\frac{4}{8}$, $\frac{3}{8}$, $\frac{3}{8}$. Which measurement appears most often?

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

C. $\frac{4}{8}$ cup

B. $\frac{3}{8}$ cup

D. $\frac{5}{8}$ cup

9) Two rays form an angle with a measure of 80° . If one part of the angle is 32° , what is the measure of the other part?

A. 48°

C. 112°

B. 50°

D. 35°

10) A swimming pool cover is rectangular and measures 20 meters long and 8 meters wide. How much space does the cover take up?

A. 28 sq m

C. 160 sq m

B. 56 sq m

D. 180 sq m

11) In the number 5,309, what is the value of the 3?

A. 3

C. 300

B. 30

D. 3,000



1) If $\frac{2}{3} = \frac{?}{9}$, what is the missing number?

2) A farmer divides a field into sections. Section A is $1\frac{2}{5}$ acres and Section B is $2\frac{3}{5}$ acres. What is the total area of both sections?

A. 4 acres

C. $3\frac{1}{5}$ acres

B. $4\frac{1}{5}$ acres

D. $1\frac{1}{5}$ acres

3) Which shows a correct comparison?

A. $0.50 > 0.51$

C. $0.50 = 0.51$

B. $0.50 < 0.51$

D. 0.51 is less than 0.50

4) Diego reads 16 pages of a book each day. If he reads for 5 days, how many pages does he read?

A. 21

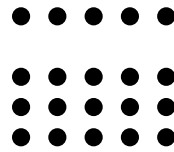
C. 70

B. 110

D. 80



5 apples



3 times as many

5)

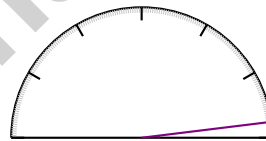
Priya picked 5 apples. Her sister picked 3 times as many apples. How many apples did her sister pick?

 A. 8 C. 20 B. 12 D. 15

6) Ava measured the widths of leaves in fourths of an inch. Her data: $\frac{1}{4}$, $\frac{2}{4}$, $\frac{2}{4}$, $\frac{3}{4}$, $\frac{2}{4}$. When plotted, how many X marks appear at $\frac{2}{4}$ inch?

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

7)



A student said this angle measures 173 degrees. Is she correct?

 A. Yes, the angle is close to 180 degrees C. Yes, all small angles are close to

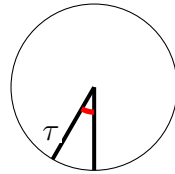
B. No, the angle is much smaller,
around 7 degrees

180 degrees

D. No, you cannot measure angles
smaller than 30 degrees



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1)

What is the measure of angle τ in the diagram?

- A. 30°
 C. 60°
 B. 45°
 D. 90°

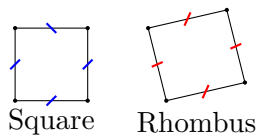
2) Marcus has 28 birthday candles. Marcus has 7 times as many candles as Sylvio. How many candles does Sylvio have?

- A. 35
 C. 21
 B. 7
 D. 4

3) A toy store has 45 toy cars. They receive 15 more cars. Then they sell 20 cars. How many cars are left?

- A. 30
 C. 25
 B. 35
 D. 40

4) Which attribute is shared by both a square and a rhombus?



- A. All sides are equal
 C. No parallel sides
 B. All angles are right angles
 D. Only three sides



5) What is $3\frac{5}{12} + 2\frac{4}{12}$?

A. $5\frac{8}{12}$

B. $6\frac{1}{12}$

C. $5\frac{9}{12}$

D. $6\frac{2}{12}$

6) A pattern rule is “multiply by 3 then subtract 2.” If the input is 5, what is the output?

A. 10

B. 17

C. 15

D. 13

7) Noah’s plant height measurements (in halves of an inch) are: $\frac{1}{2}$, 1, $\frac{1}{2}$, $\frac{3}{2}$, 1, 1, $\frac{3}{2}$. On a line plot, how many X marks appear at 1 inch?

A. 1

B. 2

C. 3

D. 4

8) Find $\frac{5}{6} + \frac{1}{6}$.

9) Ava has 5 necklaces. Each necklace has $\frac{2}{3}$ meter of beads. How many meters of beads does Ava have in total?

A. $\frac{2}{15}$ meter

B. $\frac{5}{3}$ meters

C. $3\frac{1}{3}$ meters

D. $\frac{2}{8}$ meter



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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

- Choice D is correct.** (M.4.NBT.B.5) Multiply by tens and ones: $9 \times (30 + 4) = 270 + 36 = 306$ points.
- Choice B is correct.** (M.4.NF.C.5) Four tenths equals: $\frac{4}{10} = \frac{40}{100} = 0.40 = 0.4$.
- Choice A is correct.** (4.NF.B.3b) Let's verify A: $1 + 1 + 3 = 5$, so $\frac{1}{8} + \frac{1}{8} + \frac{3}{8} = \frac{5}{8} \checkmark$. This breaks $\frac{5}{8}$ into three parts!
- Choice A is correct.** (M.4.NF.A.1a) Check option A: $\frac{3}{4} = \frac{3 \times 3}{4 \times 3} = \frac{9}{12} \checkmark$ True! The others fail: B gives $\frac{2}{5} = \frac{8}{20}$ (not $\frac{4}{12}$), C gives $\frac{1}{4} = \frac{3}{12}$ (not $\frac{2}{12}$), and D is clearly false.
- Choice C is correct.** (M.4.NF.C.5) 0.5 is five tenths: $0.5 = \frac{5}{10}$. This is the correct equation.
- Choice D is correct.** (M.4.OA.A.1) "4 times as much" means multiply. The game costs $\$8 \times 4 = \32 .
- The correct answer is 90.** (M.4.MD.C.5) An acute angle is less than **90** degrees.
- Choice B is correct.** (M.4.MD.B.4) Let us count: $\frac{2}{8}$ cup appears 2 times, $\frac{3}{8}$ cup appears 3 times, and $\frac{4}{8}$ cup appears 1 time. So $\frac{3}{8}$ cup is the most common.
- Choice A is correct.** (M.4.MD.C.7) To find the missing part, subtract what you know from the total: $80^\circ - 32^\circ = 48^\circ$.
- Choice C is correct.** (M.4.MD.A.3) Space covered = $20 \times 8 = 160$ sq m.
- Choice C is correct.** (M.4.NBT.A.2) The digit 3 is in the hundreds place. Value: $3 \times 100 = 300 \checkmark$
- Choice A is correct.** (M.4.NBT.B.6) Divide: $9 \div 9 = 1$, bring down the 3 to get $3 \div 9 = 0$ r3, bring down the 6 to get $36 \div 9 = 4$. Ming makes **104** full bags.
- Choice C is correct.** (M.4.NF.B.4) Sarah makes 8 equal hops of $\frac{1}{12}$ each: $8 \times \frac{1}{12} = \frac{8}{12}$.
- Choice D is correct.** (M.4.OA.A.3) Two steps! Step 1: add the new shipment: $100 + 35 = 135$ apples. Step 2: take away the ones sold: $135 - 42 = 93$ apples left.
- Choice B is correct.** (4.NF.B.3b) The recipe calls for $\frac{1}{2}$ cup of butter plus $\frac{1}{2}$ cup of sugar. Together: $1 + 1 = 2$ halves, which equals 1 whole cup.
- Choice A is correct.** (M.4.MD.A.2) Amir has 60 grams of butter but only needs 45 grams. Subtract: $60 - 45 = 15$ grams extra. He has **15** grams extra.
- Choice A is correct.** (M.4.NF.B.4) For $2 \times \frac{3}{5}$, we need 2 bars, each divided into 5 parts with 3 parts shaded in each bar. Picture A shows exactly this: two bars with $\frac{3}{5}$ shaded in each. The answer is Picture A.
- The correct answer is A, C.** (M.4.NF.A.1a) Check equivalence: $\frac{2}{4}$ divides to $\frac{1}{2}$ ($\div 2$), and $\frac{4}{8}$ divides to $\frac{1}{2}$ ($\div 4$). The distractors: $\frac{3}{5} > \frac{1}{2}$, $\frac{2}{6} < \frac{1}{2}$, $\frac{2}{5} < \frac{1}{2}$.
- The correct answer is 2,700.** (M.4.NBT.A.1) Original: 4,723. After swapping 4 and 7: 7,423. Increase: $7,423 - 4,723 = 2,700$. \checkmark
- Choice B is correct.** (M.4.G.A.2) Triangles are classified in two ways: by their angle measures (acute, right, obtuse) or by their side lengths (equilateral, isosceles, scalene). Looking at angles or sides helps identify the type of triangle. The answer is **B**.
- Choice B is correct.** (4.NF.B.3b) Add the wholes: $1 + 1 + 1 = 3$. Add the fractions: $\frac{1}{4} + \frac{3}{4} + \frac{2}{4} = \frac{6}{4} = 1\frac{2}{4}$. Combine: $3 + 1\frac{2}{4} = 4\frac{2}{4}$.
- Choice B is correct.** (M.4.MD.A.1) Since 1 liter = 1,000 milliliters, multiply: $3 \times 1,000 = 3,000$ mL. The answer is **3,000** mL.
- Choice A is correct.** (4.NF.B.3b) The cake recipe uses sugar and flour as shown in the picture. Add them with like denominators: $\frac{4}{6} + \frac{2}{6} = \frac{6}{6}$ cups total.
- Choice B is correct.** (M.4.MD.C.5) Since the angle measures 120° , it is made of **120** one-degree angles.
- Choice B is correct.** (M.4.G.A.1) A ray always starts at a definite point. This one starts at *A*, goes through *B*, and keeps going forever in that same direction.
- Choice B is correct.** (M.4.NF.B.4) We have 3 ribbon strips that are each $\frac{1}{2}$ yard long. We multiply: $3 \times \frac{1}{2} = \frac{3}{2} = 1\frac{1}{2}$ yards total.



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Hi, Brave Explorer!

◇ What a trip! You explored 3 full tests. You went to many math places: multiplication, fractions, area, time, and more. ◇

★ **Smart explorers know:** every trip teaches something. Through 3 tests, you learned a lot. You are a stronger math explorer now. ★

Your Explorer Tools

- **Map Reading:** You read problems carefully.
- **Trail Skills:** You take steps in the right order.
- **Backpack:** You have many math tools.
- **Brave Heart:** You explore even hard problems.

Explorer tip: on test day, use the tools you packed. You have the skills. You are ready!

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. SUCCEED TOMORROW!

This **Grade 4 Math Practice Tests** book is designed to help students build strong math skills, master key concepts, and gain the confidence they need to excel on any test.

With 3 full-length practice tests, a variety of question types, and detailed answer explanations, students get the review and practice they need to strengthen problem-solving skills and achieve their best.

Perfect 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 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.



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 & Decimals
- ✓ Measurement & Data
- ✓ Geometry & Shapes
- ✓ Perimeter & Area
- ✓ Word Problems
- ✓ Patterns & Algebraic Thinking
- ✓ And More!



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