



6

Wisconsin Forward Exam



GRADE 5 MATH



PRACTICE TESTS



Complete Standards-Based Practice
— for Grade 5 Math Success —



6 FULL-LENGTH PRACTICE TESTS
Realistic style questions



STANDARDS-BASED PRACTICE
Covers all Grade 5 Math standards

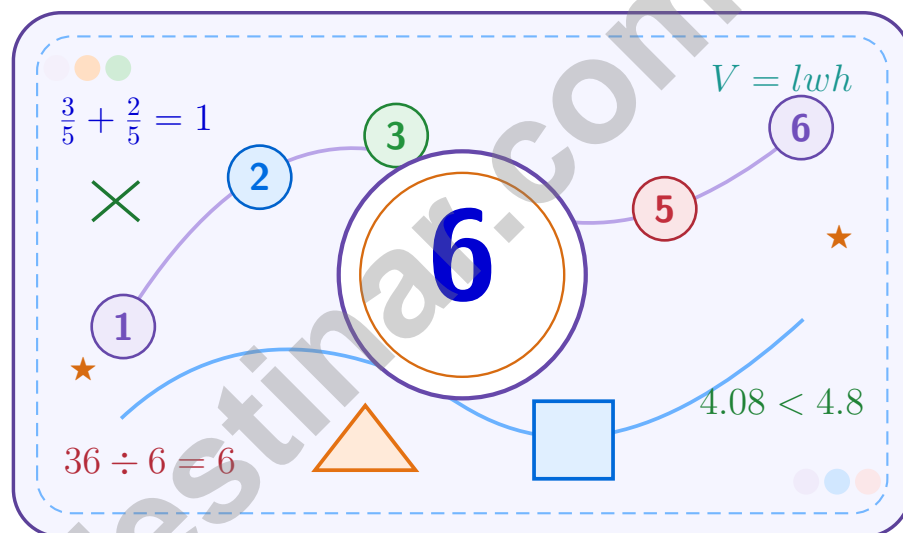


BUILD CONFIDENCE. IMPROVE SCORES.
Target weak areas and achieve success

★ STRONG PRACTICE. BRIGHT FUTURE. ★

6 Wisconsin Forward Exam Grade 5 Math Practice Tests

A six-step confidence climb with clear review, smart strategy, and practice that gets stronger every round



Six full tests, a focused skill booster, and student-friendly support from start to finish for Grade 5 mathematicians who want to climb higher.

Jay Daie and Reza Nazari



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Welcome to the Confidence Climb

This book is here to help you practice with purpose and rise step by step

To the Grade 5 Mathematician

This practice book is a place to think, try, fix, and grow. You do not have to be perfect on the first question or the first test. What matters most is careful effort, clear work, and learning from each round of practice.

Use these six tests like stepping-stones. Take one test at a time, check your answers honestly, and notice which skills need more attention. Small improvements add up fast.

Try

Give each problem your best thinking.

Check

Study mistakes and learn what happened.

Rise

Bring that lesson into the next round.

A strong habit for every page: read carefully, estimate when it helps, show your steps, and keep going even when a question feels tricky. That is how steady math confidence is built.

How to Use This Book

A simple practice routine that turns six tests into steady growth

Step 1: Warm Up

Start with the quick review.
Spend a few minutes refreshing the ideas before you start a test.

Step 2: Take the Test

Take one full practice test.
Work in a quiet space and let accuracy matter more than speed.

Step 3: Study the Pattern

Check your work honestly.
Circle missed questions and notice patterns in the mistakes.

Step 4: Learn, Then Retry

Read the explanation and try again.
Learning happens after the test too. Fixing mistakes is one of the smartest parts of practice.

A Six-Week Climb Map

Week	Mission Focus
Week 1	Take Test 1 and review any place-value or operation slips.
Week 2	Take Test 2 and focus on showing neat, easy-to-read work.
Week 3	Take Test 3 and give extra time to fractions or decimals if needed.
Week 4	Take Test 4 and slow down on word problems and units.
Week 5	Take Test 5 and compare your score and habits with earlier rounds.
Week 6	Take Test 6 and finish with calm, careful, confident work that uses everything you practiced before.



Scan me

Test Overview

What this practice book helps students do

These practice tests are designed to help Grade 5 students get comfortable with the kind of thinking used on the Wisconsin Forward Exam. The goal is bigger than only getting answers right. Students are practicing how to read closely, choose a strategy, solve carefully, and explain their work when needed.

Selected-Response Questions

Students solve the problem and choose the best answer. Estimating first and crossing out weak choices can save time and points.

Constructed-Response Questions

Students show their thinking, steps, models, or explanations. Even when unsure, writing what they know can help organize the problem.

Grade 5 Skills You Will Practice Often

- place value, comparing numbers, and rounding
- multi-digit addition, subtraction, multiplication, and division
- fractions, decimals, and mixed numbers
- perimeter, area, volume, and measurement conversions
- coordinate points, patterns, graphs, and tables
- geometry and multi-step word problems

What strong work looks like: the answer is correct, the steps are clear, the labels or units are included, and the final result makes sense.



Table of Contents

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Grade 5 Mathematics

1

Questions: 40 Duration: No time limit

Calculator Policy: Calculators are not allowed



Grade 5 Mathematics Reference Materials

PERIMETER AND AREA

Perimeter of Rectangle $P = 2l + 2w$ or $P = 2(l + w)$

Area of Rectangle $A = l \times w$

Area of Triangle $A = \frac{1}{2} \times b \times h$

Volume of Rectangular Prism $V = l \times w \times h$

LENGTH

Customary

1 foot (ft) = 12 inches (in.)

1 yard (yd) = 3 feet (ft)

1 yard (yd) = 36 inches (in.)

Metric

1 meter (m) = 100 centimeters (cm)

1 centimeter (cm) = 10 millimeters (mm)

1 kilometer (km) = 1,000 meters (m)

CAPACITY

Customary

1 cup (c) = 8 fluid ounces (fl oz)

1 pint (pt) = 2 cups (c)

1 quart (qt) = 2 pints (pt)

1 gallon (gal) = 4 quarts (qt)

Metric

1 liter (L) = 1,000 milliliters (mL)

WEIGHT AND MASS

Customary

1 pound (lb) = 16 ounces (oz)

Metric

1 kilogram (kg) = 1,000 grams (g)

1 gram (g) = 1,000 milligrams (mg)

TIME

1 minute (min) = 60 seconds (sec) 1 week = 7 days

1 hour (hr) = 60 minutes (min) 1 year = 12 months

1 day = 24 hours (hr) 1 year = 52 weeks



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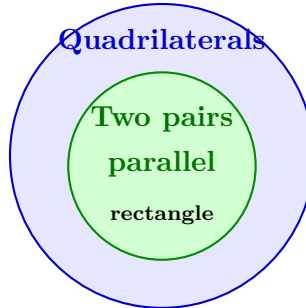
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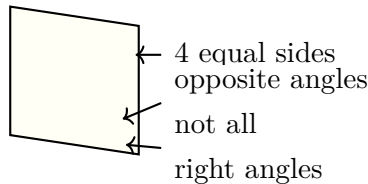
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- 1) A Venn diagram has a large circle for quadrilaterals and a smaller circle inside it for figures with two pairs of parallel sides. A rectangle is placed inside the smaller circle. Why?



- A. It has exactly 3 sides.
 B. It is not a polygon.
 C. It has no right angles.
 D. It has 4 sides and two pairs of parallel sides.
- 2) Compare: $(25 + 8) \times 0$ $(25 + 8) \times 1$
- A. >
 B. <
 C. =
 D. Cannot tell
- 3) Which is the correct first step before adding $1\frac{3}{4} + 2\frac{5}{8}$? (Common Denominator)
- A. Convert $1\frac{3}{4}$ to $1\frac{6}{8}$
 B. Add numerators: $3 + 5 = 8$
 C. Add denominators: $4 + 8 = 12$
 D. Regroup the fractions only



4)

What is this shape, and what is it NOT?

- A. It IS a Square; it is NOT a Rhombus.
 B. It IS a Rhombus; it is NOT a Square.
 C. It IS a Rectangle; it is NOT a Parallelogram.
 D. It IS a Parallelogram; it is NOT a Trapezoid.



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Practice Test Answer Keys

How to use this section:

1. check your answer
2. circle missed questions
3. rework them before reading the explanation

Good correction habits build strong scores.

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Practice Test Answers and Explanations

Practice Test 1 Answers and Explanations

- 1) **Choice C is correct.** (5.NBT.A.1) A 3 in the tenths place is worth 0.3, and a 3 in the thousandths place is worth 0.003. Since $0.3 \div 0.003 = 100$, the tenths value is 100 times greater.
- 2) **Choice C is correct.** (5.NF.B.5) $7 \times \frac{3}{2} = \frac{21}{2} = 10\frac{1}{2}$ cm. The bar diagram shows the scaled length is longer, as $\frac{3}{2} > 1$.
- 3) **Choice B is correct.** (5.G.B.4) A rhombus is a quadrilateral with all four sides equal in length. It does not have to have four right angles.
- 4) **Choice C is correct.** (5.NBT.A.2) $31 \times 100 = 3100$. Append two zeros to 31.
- 5) **Choice B is correct.** (M.5.MD.A.1) Task 1: 7:00 AM to 12:15 PM = 5 hours 15 minutes. Task 2: 1:00 PM to 6:30 PM = 5 hours 30 minutes. Total: 5h 15m + 5h 30m = 10 hours 45 minutes.
- 6) **Choice A is correct.** (M.5.NF.B.7c) $\frac{1}{3} \div 6 = \frac{1}{3} \times \frac{1}{6} = \frac{1}{18}$.
- 7) **Choice C is correct.** (5.G.A.2) The next Rule A value is 5 and the next Rule B value is 10, so the next ordered pair is (5, 10).
- 8) **Choice A is correct.** (M.5.G.A.2) 4 units east is the x-coordinate, and 2 units north is the y-coordinate. This corresponds to point (4, 2), which is W.
- 9) **Choice A is correct.** (M.5.NBT.B.7) Subtract: $5.72 - 2.45 = 3.27$. Check: $2.45 + 3.27 = 5.72$.
- 10) **Choice A is correct.** (5.NBT.B.6) Use compatible numbers: $2,345 \approx 2,400$ and $59 \approx 60$. So $2,400 \div 60 = 40$.
- 11) **Choice C is correct.** (M.5.G.B.4) One angle measures 112 degrees, which is greater than 90 degrees, making this an obtuse triangle.
- 12) **Choice B is correct.** (5.NF.B.3) $\frac{4}{7} \times \frac{7}{8} = \frac{28}{56}$, which simplifies to $\frac{1}{2}$ mile.
- 13) **Choice A is correct.** (5.G.B.3) A quadrilateral is any polygon with 4 sides. Some quadrilaterals have equal sides, right angles, or parallel sides, but not all do.
- 14) **Choice D is correct.** (M.5.OA.B.3) Each term is half the previous: $8 \div 2 = 4$.
- 15) **Choice B is correct.** (M.5.NF.B.6) True values: $7\frac{3}{11} + 2\frac{9}{10} \approx 7.27 + 2.90 = 10.17$. Estimate is 10. Difference: $0.17 < 0.5$. Close enough.
- 16) **The correct answer is 9.** (M.5.MD.C.5) The known width and height make groups of $5 \times 4 = 20$ cubic inches. Since $180 \div 20 = 9$, the length is 9 in.
- 17) **Choice A is correct.** (5.NBT.B.5) Multiply as if the numbers were whole numbers: $36 \times 24 = 864$. The factors 3.6 and 2.4 have a total of $1 + 1 = 2$ decimal places, so place the decimal point two places from the right: $864 \rightarrow 8.64$. Therefore, $3.6 \times 2.4 = 8.64$.
- 18) **The correct answer is 6480.** (M.5.MD.C.5a) $30 \times 18 \times 12 = 6,480 \text{ in}^3$.
- 19) **Choice C is correct.** (M.5.NBT.A.4) To round to 14, a number must be at least 13.5 and less than 14.5. The only choice in that range is 14.4.
- 20) **Choices A, B are correct.** (5.MD.B.2) The value $\frac{1}{2}$ appears two times, more than any other value. There are four measurements total, so C and D do not fit the data.
- 21) **Choice B is correct.** (5.OA.B.3) Check the table: $3 \times 1 + 1 = 4$, $3 \times 2 + 1 = 7$, and $3 \times 3 + 1 = 10$.
- 22) **Choice B is correct.** (M.5.OA.A.2) Start with the product 4×9 . Adding 7 to that product gives $4 \times 9 + 7$.
- 23) **Choice B is correct.** (5.NBT.A.2) Multiplying by 10^2 moves the decimal 2 places right: $0.5 \times 100 = 50$.
- 24) **Choice B is correct.** (5.MD.A.1) Total grams: $150 \times 80 = 12000$ g. Convert: $12000 \div 1000 = 12$ kg.
- 25) **Choice A is correct.** (M.5.MD.C.5) Use the rectangular-prism volume formula: $9 \times 7 \times 7 = 441$. So the volume is 441 cubic centimeters.
- 26) **Choice C is correct.** (5.NF.A.2) Convert: $\frac{3}{4} = \frac{6}{8}$. Then $\frac{6}{8} + \frac{2}{8} = \frac{8}{8} = 1$ mile total.
- 27) **Choice C is correct.** (5.G.A.1) For (2, 6): x-coordinate 2 means 2 units right; y-coordinate 6 means 6 units up.
- 28) **Choice B is correct.** (5.MD.C.5c) Find each part first: Prism A is $5 \times 4 \times 2 = 40$ cubic inches, and Prism B is $6 \times 4 \times 1 = 24$ cubic inches. Because the parts do not overlap, add them: $40 + 24 = 64$ cubic inches.
- 29) **Choice A is correct.** (M.5.MD.C.5) $\frac{5}{6} = \frac{10}{12}$ and $\frac{1}{4} = \frac{3}{12}$. Then $\frac{10}{12} - \frac{3}{12} = \frac{7}{12}$.



Hey there, Mathematical Leader!

★ Leadership excellence demonstrated! You've guided yourself through six complete mathematical journeys, showing self-discipline, strategic thinking, and determination like a true leader! Each test required you to take charge of your learning, make strategic decisions, and persist through challenges. Your leadership of your own mathematical development has been truly impressive! ★

◇ **Here's what exceptional leaders understand:** great leaders prepare thoroughly, stay focused under pressure, and inspire confidence through their actions. They learn from every experience and continuously improve their skills. You've demonstrated those exact leadership qualities through these six tests! You've led yourself to mathematical excellence, and now you're ready to lead yourself to success on test day! ◇

Leadership Qualities Developed

- **Self-Direction:** You take initiative and guide your own problem-solving journey!
- **Strategic Vision:** You plan approaches carefully before executing solutions!
- **Resilient Mindset:** You persist through challenges without giving up!
- **Excellence Ready:** You're prepared to lead yourself to outstanding results!

Leadership wisdom: the strongest leaders trust their preparation when facing important challenges. You've prepared extensively through six complete practice tests. On test day, lead yourself with confidence. Trust the skills you've developed, trust the strategies you've practiced, and trust that you're ready. You've proven your mathematical leadership ability!

Want to share your leadership insights or celebrate a breakthrough moment? Share your journey at reza@testinar.com. Leaders inspire others, and your story matters!

Reza Nazari & Jay Daie

Your Math Coaches for Practice Wins

6 FULL-LENGTH TESTS. ENDLESS POTENTIAL.

PRACTICE TODAY. SUCCEED TOMORROW.

Give your child the tools they need to build strong math skills and test-taking confidence! This book includes **6 full-length practice tests** along with standards-based practice, mixed review, word problems, and a complete answer key.

★★★
PRACTICE
WITH PURPOSE.
ACHIEVE WITH
CONFIDENCE.

WHAT'S INSIDE:



6 FULL-LENGTH PRACTICE TESTS

Realistic tests designed to reflect the actual test format and help build confidence.



STANDARDS-BASED PRACTICE

Covers all essential Grade 5 math standards with clear explanations and examples.



MIXED REVIEW

Reinforces key concepts with a variety of question types and review exercises.



WORD PROBLEMS

Build critical thinking and problem-solving skills with real-world scenarios.



COMPLETE ANSWER KEY

Step-by-step explanations for every question to support learning and growth.



IMPROVE. PRACTICE. ACHIEVE.

Consistent practice leads to stronger skills, higher scores, and greater success.



WHY PRACTICE MAKES A DIFFERENCE



BUILD CONFIDENCE

Feel prepared and ready for any challenge.



IMPROVE ACCURACY

Strengthen skills and reduce careless mistakes.



THINK STRATEGICALLY

Develop problem-solving skills and deepen understanding.



MANAGE TIME

Practice under timed conditions to build stamina.



STAY MOTIVATED

Track progress and celebrate every win.



ACHIEVE SUCCESS

Reach goals and unlock your full potential!



Visit testinar.com/math5

for more Grade 5 math resources and practice materials!



Testinar

Smart Practice. Stronger Results.