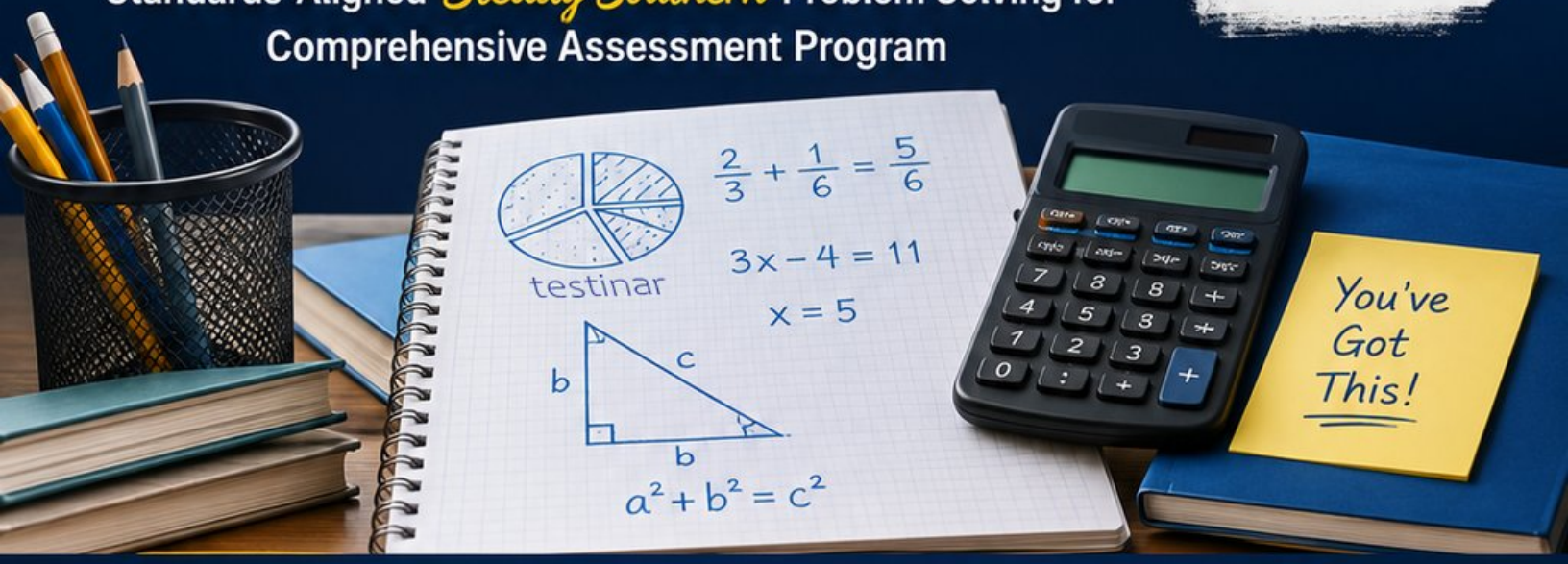
8 Wisconsin Forward Exam

8 PRINTED TESTS + 2 ONLINE TESTS

GRADE 6 MATH PRACTICE TESTS

Use these two additional online practice tests for extra review after the printed tests in this book.

Standards-Aligned *Steady Southern* Problem Solving for Comprehensive Assessment Program



BUILT FOR ACAP SUCCESS

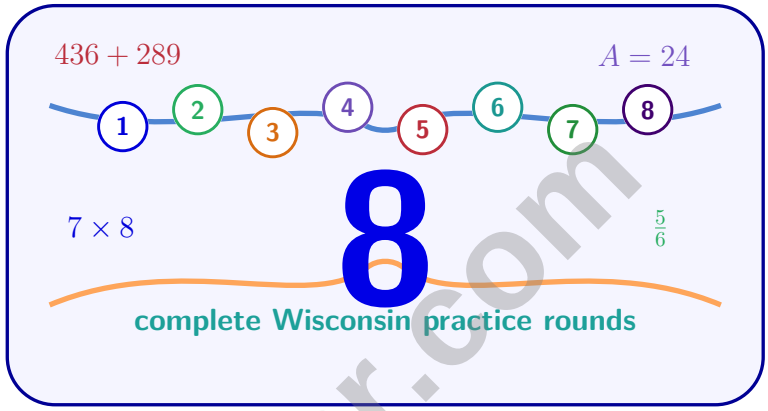
REALISTIC TESTS & QUESTION TYPES

STRENGTHEN MATH SKILLS

REVIEW, PRACTICE, AND IMPROVE

8 Wisconsin Forward Exam Grade 6 Math Practice Tests

Standards-Aligned Forward-Moving Review for Wisconsin Forward Exam



Eight complete 40-question Grade 6 practice rounds for Forward Exam, built for forward-moving review with ratios, rational numbers, expressions, equations, geometry, statistics, answer keys, and clear explanations for every item.

Jay Daie and Reza Nazari

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Welcome, Wisconsin Math Explorer!

Eight focused rounds using forward-moving review

This book gives you eight full Grade 6 practice tests for Forward Exam. Each round uses lake roads, farm fields, and practical problem checks as a fresh mental backdrop while you read closely, choose a smart strategy, show your work, and check whether your answer makes sense.

Your Wisconsin Practice Promise

Move forward with care: underline the task, solve neatly, and confirm the units.

How to Use This Book

A eight-session routine for forward-moving review

1. **Preview the skills.** Scan the quick review pages before beginning the first round.
2. **Work in order.** Take one 40-question test at a time in a quiet place.
3. **Mark confidence.** Put a small star beside problems where your plan felt strong.
4. **Correct actively.** Retry missed items before reading the full explanation.
5. **Plan the next round.** Use the growth log to choose one habit and one skill to practice.

Wisconsin review rhythm: Finish a round, review the missed steps, and use the next test to move forward.

What Is Inside?

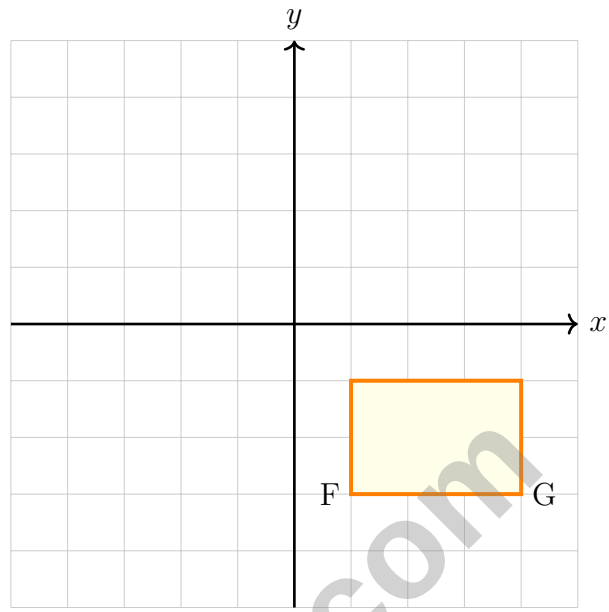
Eight Forward Exam tests, 320 questions, and a full review path

Part	What You Will Practice
Tests 1–3	Foundation rounds for ratios, rational numbers, operations, and careful reading.
Tests 4–6	Skill-building rounds with expressions, equations, geometry, data, and problem models.
Tests 7–8	Final stamina rounds for mixed review, neat work, and flexible strategy choices.
Answer Pages	Compact keys and explanations that show why each answer works.

The tests are mixed on purpose. Forward-moving review means recognizing the skill even when the next question changes topic, changes format, or asks for an explanation.

Table of Contents

1)



A rectangle $FGHJ$ has vertices at $(1, -3)$, $(4, -3)$, $(4, -1)$, and $(1, -1)$. If the rectangle is reflected over the x-axis, what will be the image of $(1, -1)$?

☐ A. $(1, 1)$
☐ B. $(-1, -1)$
☐ C. $(1, -1)$
☐ D. $(-1, 1)$

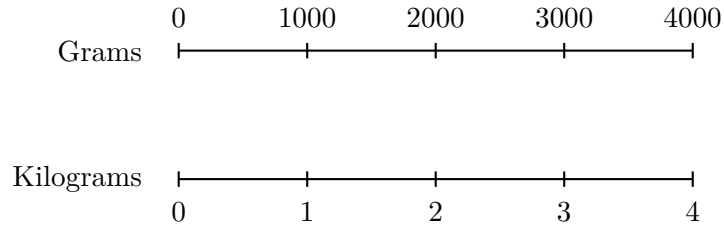
2) Check whether $x = 4$ is a solution to $x + 3 = 7$.

☐ A. Yes, because $4 + 3 = 7$
☐ B. No, because $4 - 3 = 1$
☐ C. No, because $4 \times 3 = 12$
☐ D. Yes, because $7 - 3 = 4$

3) Your age must be at least 13 years old to join the club. Which inequality best fits, where y is your age?

☐ A. $y < 13$
☐ B. $y \leq 13$
☐ C. $y > 13$
☐ D. $y \geq 13$

4)



Using the double number line, how many grams are in 2.5 kilograms?

☐ A. 1,000 grams
☐ B. 2,000 grams
☐ C. 2,500 grams
☐ D. 3,000 grams

5) Which table shows a proportional relationship between x and y?

x	1	2	3
y (option A)	5	10	15
y (option B)	3	5	8

☐ A. Option A
☐ B. Option B
☐ C. Both A and B
☐ D. Neither

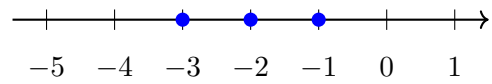
6) A scale drawing uses a scale where 1 cm on the drawing represents 4 cm on the actual object. If a part is drawn 2.5 cm long, how long is the actual part?

☐ A. 2.5 cm
☐ B. 6.5 cm
☐ C. 10 cm
☐ D. 20 cm

7) On a number line, the midpoint between two numbers is -0.5. If one number is -2, what is the other number?

☐ A. -3.5
☐ B. -1
☐ C. 1.5
☐ D. 1

8)



The number line shows three identical jumps to the left. Which multiplication does this model?

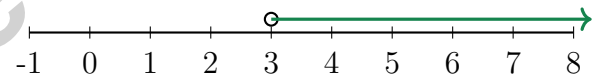
☐ A. $(-1) \times (-3)$
☐ B. $3 \times (-1)$
☐ C. 3×1
☐ D. $(-3) \times (-1)$

9) Which expression matches "twice the quotient of 15 and j"?

☐ A. $\dfrac{2 \cdot 15}{j}$
☐ B. $2j + 15$
☐ C. $15 - 2j$
☐ D. $2 \cdot \dfrac{15}{j}$

10) Evaluate $2n - 7$ when $n = 15$.

11) A student incorrectly graphed $x \geq 3$ with an open circle at 3 and an arrow pointing right. What is the error?



☐ A. The arrow should point left instead of right
☐ B. The circle should be closed instead of open
☐ C. The circle should be at -3 instead of 3
☐ D. There is no error

1) Elena's income is \$400 per month. After saving 35%, how much does she have available for spending and expenses?

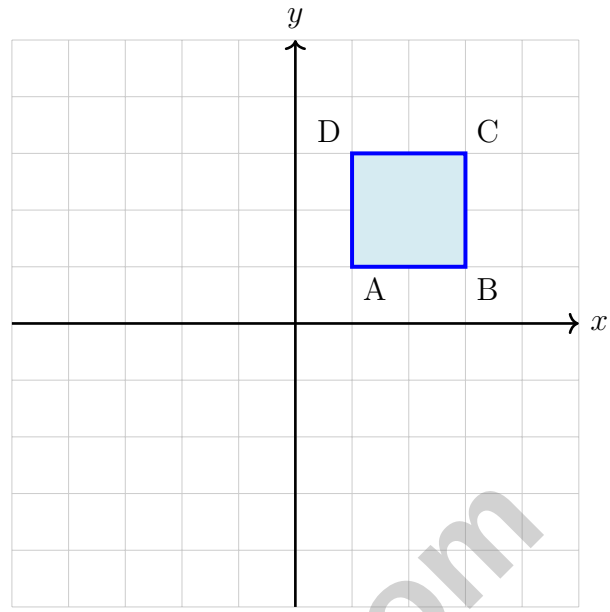
Savings	Available
35%	65%

Income = \$400

☐ A. \$140
☐ B. \$165
☐ C. \$260
☐ D. \$385

2) If $Q_1 = 15$ and $Q_3 = 35$, what is the IQR?

☐ A. 10
☐ B. 15
☐ C. 20
☐ D. 50

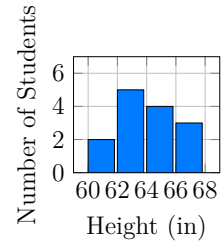


3)

A square $ABCD$ has vertices at $(1, 1)$, $(3, 1)$, $(3, 3)$, and $(1, 3)$. If the square is translated 2 units left, which will be the image of vertex C?

☐ A. $(1, 3)$
☐ B. $(3, 3)$
☐ C. $(1, 1)$
☐ D. $(3, 1)$

4) The histogram shows the heights (in inches) of students in a class. Which interval contains the most students?



☐ A. 60–62 inches
☐ B. 62–64 inches
☐ C. 64–66 inches
☐ D. 66–68 inches

1) If a book's price increases from \$20 to \$24, what is the percent increase?

☐ A. 20%
☐ B. 25%
☐ C. 30%
☐ D. 40%

2) On a grid, a store is at $(2, 4)$ and a home is at $(10, 4)$. The scale is 1 unit = 50 meters. What is the actual distance?

☐ A. 400 m
☐ B. 300 m
☐ C. 200 m
☐ D. 500 m

3) An error was made: a student computed $(-3) \times (-4) \times 2$ and got -24. What is the correct answer?

☐ A. -24 (student is correct)
☐ B. 24 (student forgot a sign rule)
☐ C. 9 (student added the negatives)
☐ D. 7 (student subtracted)

4) Which expression represents "a number v less than 8"?

☐ A. $v - 8$
☐ B. $8 + v$
☐ C. $8 - v$
☐ D. $8v$

5) A student reads 12 pages per day from a novel. If d represents days and p represents total pages read, which equation is correct?

☐ A. $d = 12p$
☐ B. $d = p - 12$
☐ C. $p = d + 12$
☐ D. $p = 12d$

6) Which pair of dimensions would give a triangle an area of 48 cm^2?

☐ A. Base 6 cm, height 10 cm
☐ B. Base 8 cm, height 12 cm
☐ C. Base 10 cm, height 9 cm
☐ D. Base 16 cm, height 5 cm

7) A parallelogram has a slanted side of 8 cm, a base of 12 cm, and a height of 5 cm. What is the area?

☐ A. 25 cm^2
☐ B. 40 cm^2
☐ C. 60 cm^2
☐ D. 96 cm^2

8) Four vertices are at $(3, 1)$, $(8, 1)$, $(8, 3)$, and $(3, 3)$. What type of quadrilateral is this?

☐ A. Rectangle
☐ B. Trapezoid
☐ C. Triangle
☐ D. Pentagon

9) Read the question in the box below:

"How tall are the players on the basketball team?"

Is this a statistical question, and why or why not?

☐ A. No, because it asks about a team that has a fixed number of players.
☐ B. Yes, because it asks about many different heights.
☐ C. No, because basketball teams always have the same average height.
☐ D. Yes, because you must collect data from many players whose heights vary.

Wisconsin Forward Exam Practice Test Answer Keys

How to use this Wisconsin Forward Exam answer section with a Grade 6 student:

1. check the answer first, then write one quick reason the choice is correct
2. mark questions to try again, especially the skills that feel connected to forward-moving review
3. rework the problem before reading the full explanation, using this reminder: Move forward with care: underline the task, solve neatly, and confirm the units.

A calm Wisconsin correction routine turns every missed item into useful practice. Finish a round, review the missed steps, and use the next test to move forward.

Wisconsin Practice Test Answers and Explanations

Review the eight printed Forward Exam tests with practical, steady, and ready to keep moving habits.

Practice Test 1 Answers and Explanations

1) **Choice A is correct.** M.6.NS.C.8 Reflection over the x-axis: $(1, -1) \to (1, 1)$.
2) **Choice A is correct.** M.6.EE.B.5 Substitute $x = 4$ into the equation. Check: $4 + 3 = 7$ is true.
3) **Choice D is correct.** M.6.EE.B.8 "At least 13" allows 13 and everything above: $y \geq 13$.
4) **Choice C is correct.** 6.RP.A.3 Reading the double number line: 2.5 kg is halfway between 2 kg (2000 g) and 3 kg (3000 g), so it equals 2500 g.
5) **Choice A is correct.** M.6.NS.C.7d A relationship is proportional if y/x is constant. Option A has $5/1 = 5$, $10/2 = 5$, and $15/3 = 5$, so it is proportional. Option B has $3/1 = 3$ and $5/2 = 2.5$, so the ratio is not constant.
6) **Choice C is correct.** 6.RP.A.3 Multiply: 2.5 cm $\times$ 4 = 10 cm.
7) **Choice D is correct.** M.6.NS.C.6c, 6.NS.C.6c Using midpoint formula: $\frac{-2+x}{2} = -0.5 \Rightarrow -2 + x = -1 \Rightarrow x = 1$.
8) **Choice B is correct.** M.6.NS.B.2 Three identical jumps of -1 can be represented as $3 \times (-1) = -3$.
9) **Choice D is correct.** M.6.EE.A.2a "The quotient of 15 and j" is $\frac{15}{j}$. "Twice" that quotient means multiply by 2: $2 \cdot \frac{15}{j}$.
10) **The correct answer is** 23. M.6.EE.B.6, 6.EE.B.6 Substitute $n = 15$: $2(15) - 7 = 30 - 7 = 23$.
11) **Choice B is correct.** M.6.EE.B.8 The symbol $\geq$ includes the boundary, so a closed circle is needed. The direction is correct (right for greater values).
12) **Choice D is correct.** M.6.G.A.1, 6.G.A.1 $A = \frac{1}{2} \times 30 \times 4 = 60$ m^2.
13) **Choice B is correct.** M.6.G.A.3, 6.G.A.3 For a vertical segment: $10 - 3 = 7$ units.
14) **Choice D is correct.** M.6.G.A.1 Width: $9 - 3 = 6$ units. Height: $5 - 2 = 3$ units. Area $= 6 \times 3 = 18$ square units.
15) **Choice D is correct.** M.6.SP.A.2 The population being targeted is the class itself. Although only some students may be measured (the sample), the question is about the entire class (the population).
16) **Choice C is correct.** M.6.SP.B.5c The median of $2, 4, 6, 8, 10$ is 6 (the middle value).
17) **Choice B is correct.** M.6.SP.B.4, 6.SP.B.4 The value 6 has the most dots (5), making it the mode. The other statements are false: only 2 have 4 pencils, and there are 2 with 7 pencils.
18) **Choice A is correct.** M.6.SP.B.4 Range = Max − Min = 175 − 140 = 35 cm.
19) **Choice B is correct.** 6.RP.A.1 Divide miles by hours: $50 \div 1 = 50$ miles per hour.
20) **Choice B is correct.** 6.RP.A.2 Shop A: \$22.50 ÷ 5 = \$4.50/latte. Shop B: \$32.00 ÷ 8 = \$4.00/latte. Shop C: \$28.50 ÷ 6 = \$4.75/latte. Shop B is lowest.
21) **Choice B is correct.** 6.RP.A.3, M.6.RP.A.3 The ratio 2 : 3 is constant. When sugar is 12, multiply by 4: $2 \times 4 = 8$ cups of flour.
22) **The correct answer is** 35% **of** \$40 = $0.35 \times 40 =$ \$14 **(discount); Sale price is** \$40 − \$14 = \$26**. Choices A and B are correct..** 6.RP.A.3 Discount: 35% of \$40 = $0.35 \times 40 =$ \$14, so choice A is correct. Sale price: \$40 − \$14 = \$26, so choice B is correct. Choice C (\$28) and choice D (\$25) are incorrect discount/price combinations. Choice E (\$35) confuses the percent with the original price and is incorrect.
23) **The correct answer is** 36. M.6.EE.C.9, 6.EE.C.9 Multiply $3 \times 12 = 36$.
24) **The correct answer is** 9. M.6.G.A.1 Area $= 5 \times 1.8 = 9$ square yards.
25) **Choice C is correct.** M.6.NS.C.7d After taxes: \$2000 $\times$ (1 − 0.15) = \$2000 $\times$ 0.85 = \$1700. Savings: 20% of \$1700 = $0.20 \times 1700 =$ \$340.
26) **Choice A is correct.** M.6.NS.B.2, 6.NS.B.2 $4{,}752 \div 24 = 198$. Check: $24 \times 198 = 4{,}752$.

Author's Note

Mountain Guide's Note

Hi, Strong Climber!

◇ You climbed all 8 tests. One step at a time. That takes patience and grit. The view from the top is amazing because you earned it! ◇

⋆ **Mountain guides say:** steady steps win the climb. You climbed steady. You stayed strong. ⋆

Climber's Skills

- **Strong Steps:** You move forward, problem by problem.
- **Steady Pace:** You don't rush. You don't stop.
- **Map Skills:** You read questions carefully.
- **Top of the Mountain:** You can finish a long test.

Guide's tip: on test day, take small breaths between problems. One foot, then the next. You'll reach the top!

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

Jay Daie

Your Math Trail Guide

MASTER MATH. ACE YOUR TESTS.

This Grade 6 Math Practice Tests book is designed to help students build confidence, strengthen math skills, and excel on comprehensive assessments.

With 8 full-length printed tests and 2 online tests, this resource provides realistic practice, a variety of question types, and detailed answer explanations to help students achieve their best.

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

8 PRINTED TESTS

+

2 ONLINE TESTS

PERFECT FOR

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

PRACTICE TODAY. SUCCEED 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.

Understand Key Concepts

Reinforce important math ideas aligned with standards.

Test Confidence

Get familiar with test formats and improve accuracy.

Achieve Success

Build confidence and perform your best on test day.

TOPICS COVERED

- Ratios & Rates
- The Number System
- Expressions & Equations
- Geometry
- Fractions & Decimals
- Percents
- Statistics & Probability
- Data Analysis
- Measurement & Conversions
- And More!

2 ONLINE TESTS

Extra online practice to reinforce learning and build confidence.

MORE PRACTICE. GREATER RESULTS.

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

8 FULL-LENGTH PRACTICE TESTS

2 ONLINE PRACTICE TESTS

DETAILED ANSWER EXPLANATIONS