

6

Wisconsin

Forward Exam

GRADE 3

MATH

PRACTICE TESTS

Standards-Aligned Practice with
Review, Answer Keys, and Explanations



6 Full-Length
Practice Tests



Detailed Answer Keys
and Explanations



Master Skills.
Boost Scores.
Succeed!

6 Wisconsin Forward Exam Grade 3 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Six complete 30-question practice labs for Grade 3 math: operations, fractions, measurement, data, area, shapes, answer keys, and clear explanations for every item.

Jay Daie and Reza Nazari



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Welcome to the Six Skill Labs

Six full tests, six focused resets, and a stronger Grade 3 problem solver



Notice the pattern. Choose a tool. Explain the answer.

To the Grade 3 Math Builder

This book gives you six practice labs for the Wisconsin Forward Exam. Each lab is a complete 30-question test, so students can practice accuracy, stamina, and clear mathematical thinking.

Wisconsin brings lake shores, dairy farms, forest trails, and winter sidewalks. Strong math uses that same care: read the task, select a strategy, build the solution, and check the work before crossing the finish line.

Decode

Find the question, the units, and the useful numbers.

Design

Use an equation, array, number line, graph, or sketch.

Confirm

Make sure the answer matches the question.

Six-lab promise: I will work with patience, show useful thinking, and treat corrections as part of learning.

How to Use This Book

A six-lab routine for steady Grade 3 growth

Use one practice lab at a time. The goal is not only to finish more pages. The goal is to finish, review, repair, and bring a smarter habit to the next test. For Wisconsin students, each lab is a short route through lake shores, dairy farms, forest trails, and winter sidewalks: steady, alert, and ready for the next clue.

1. **Warm up.** Skim the reference materials and remind yourself of common tools.
2. **Take one test.** Work steadily and mark problems that need a second look.
3. **Check answers.** Use the compact answer keys first.
4. **Read explanations.** Study missed items and any lucky guesses.
5. **Redo two problems.** Rewrite the work cleanly without peeking.
6. **Set the next lab goal.** Choose one skill or habit to improve.

Best review habit: A mistake is most useful when you can say why it happened and what you will do differently next time.



What Is Inside?

Six complete practice tests with review support

Part	What You Do	Why It Helps
Practice Tests 1–6	Solve six different 30-question tests.	Build stamina and see Grade 3 skills mixed together.
Answer Keys	Check each answer in compact boxes.	Find mistakes quickly without losing your place.
Explanations	Read why each answer works.	Turn missed items into a clear next step.
Standards Reference	See how Wisconsin Grade 3 standards connect to practice.	Understand the skills behind the questions.

Each test has 26 multiple-choice questions, 1 select-all question, and 3 open-ended questions. This gives students practice with quick decisions, careful reading, and short written math answers for the Wisconsin Forward Exam path.

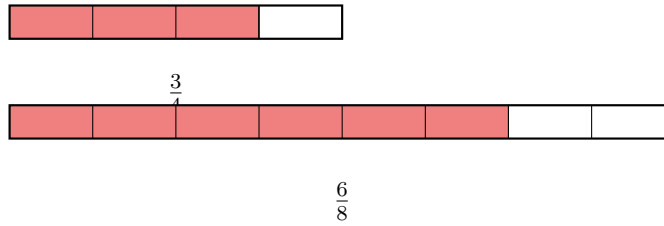


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1) Look at the bars. Is $\frac{3}{4}$ equivalent to $\frac{6}{8}$?



- A. Yes, they are equivalent C. The second bar is larger
 B. No, they are not equivalent D. The first bar is larger

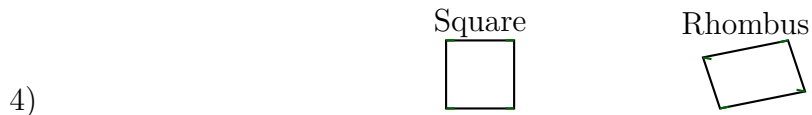
2) Look at this number line showing times.



How many minutes pass from 8 : 00 PM to 9 : 00 PM?

- A. 30 minutes C. 90 minutes
 B. 60 minutes D. 120 minutes
- 3) If you have the number $\underline{\quad}$, and you round it to the nearest 10, you get 70. You also know the number is odd. Which number could it be?
- A. 65 C. 72
 B. 68 D. 74

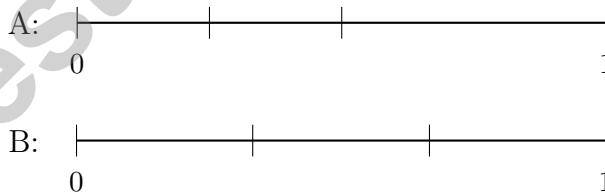




Which property do all squares and all rhombuses share?

- A. All have 4 right angles
 - B. All have 4 equal sides
 - C. All have no parallel sides
 - D. All have 5 sides
- 5) Eli ate $\frac{3}{3}$ of a granola bar. Mia ate $\frac{2}{3}$ of a granola bar of the same size. Who ate more?
- A. Eli
 - B. Mia
 - C. They ate the same amount
 - D. Cannot compare the fractions
- 6) A picture graph shows donated items. Each box represents 10 items. There are 8 boxes. How many items were donated?
- A. 18
 - B. 70
 - C. 80
 - D. 90

7) Which number line correctly divides from 0 to 1 into 3 equal parts?



- A. Option A
- B. Option B
- C. Neither
- D. Both



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8) Which three fractions are all equal to 3 wholes?

A. $\frac{4}{1}, \frac{8}{2}, \frac{12}{3}$

B. $\frac{2}{1}, \frac{4}{2}, \frac{6}{3}$

C. $\frac{3}{1}, \frac{6}{2}, \frac{9}{3}$

D. $\frac{5}{1}, \frac{10}{2}, \frac{15}{3}$

9) Which multiplication fact can help you find $64 \div 8$?

A. $8 \times 7 = 56$

B. $8 \times 6 = 48$

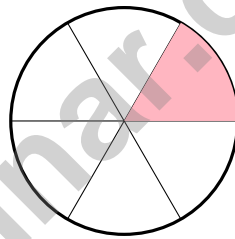
C. $8 \times 9 = 72$

D. $8 \times 8 = 64$

10) Ana says $15 \div 3 = 4$. Is she right? Explain.

 A. Yes, she is right. B. No, the answer is 18. C. No, the answer is 12. D. No, the answer is 5.

11) Look at this circle divided into 6 equal parts. One part is shaded.



What fraction is shaded?

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

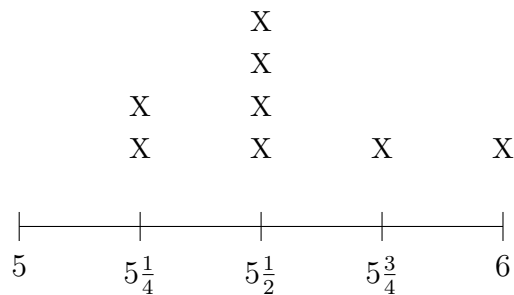
B. $\frac{1}{5}$

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

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



- 1) A line plot shows shell widths in centimeters: $5, 5\frac{1}{4}, 5\frac{1}{2}, 5\frac{3}{4}, 6$.



Which width has the most shells?

- A. $5\frac{1}{4}$ cm C. $5\frac{3}{4}$ cm
 B. $5\frac{1}{2}$ cm D. 6 cm
- 2) A toy costs \$5. Two toys cost \$10. Three toys cost \$15. Four toys cost \$20. How much do 5 toys cost?
- A. \$24 C. \$26
 B. \$30 D. \$25
- 3) What whole number equals $\frac{12}{6}$?
- A. 6 C. 12
 B. 2 D. 3
- 4) Find $27 \div 3$. (Hint: Think of a multiplication fact: $\square \times 3 = 27$)



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5) A bar graph shows books checked out from the library. One bar is 4 units tall, the other is 2 units tall. Each unit represents 5 books. How many more books does the first bar show?

 A. 2 C. 15 B. 10 D. 20

6) A composite figure is divided into two parts. Part A is 8 units by 4 units. Part B is 6 units by 2 units. What is the total area?

 A. 44 sq units C. 32 sq units B. 12 sq units D. 384 sq units

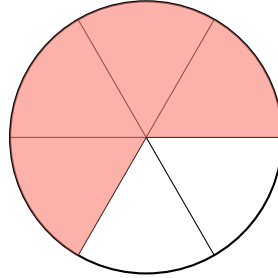
7) What number makes this equation true?

$$\square \div 5 = 7$$

8) Eli is filling a rectangular mat with colored unit square patches. The mat measures 11 units by 3 units. How many patches will he need?

 A. 14 patches C. 33 patches B. 27 patches D. 44 patches

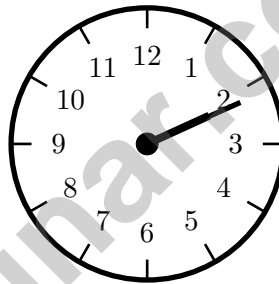
- 1) A circle is divided into 6 equal parts. Four parts are shaded. What fraction of the circle is shaded?



- A. $\frac{2}{6}$
 B. $\frac{4}{6}$

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

- 2) What time is shown on the clock below?

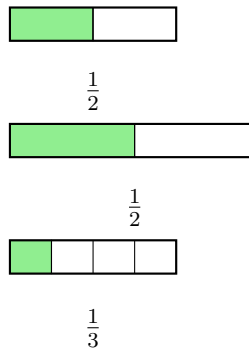


- A. 2 : 11
 B. 2 : 35

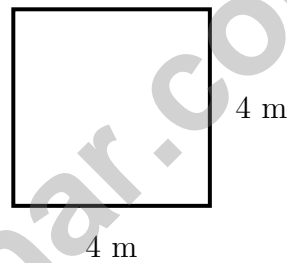
- C. 11 : 02
 D. 11 : 10



3) Look at the bars. Which statement is **NOT** true?



- A. The first and second are equivalent C. All three show the same amount
 B. The first bar shows $\frac{1}{2}$ D. The third bar is smaller



4)

This is a square with side length 4 m. What is its perimeter?

- A. 8 m C. 16 m
 B. 12 m D. 24 m

5) Sam is paving a patio with unit square stepping stones. The patio is 4 units by 7 units. How many stones does he need?

- A. 22 stones C. 56 stones
 B. 11 stones D. 28 stones



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Practice Test Answer Keys

How to use this section with a Grade 3 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

- 1) **Choice A is correct.** **(3.NF.A.3)** Both bars show the same amount shaded. $\frac{3}{4}$ and $\frac{6}{8}$ are equivalent.
- 2) **Choice B is correct.** **(3.MD.A.1)** One hour is 60 minutes.
- 3) **Choice A is correct.** **(3.NBT.A.3)** Numbers from 65 to 74 round to 70. Among choices, A (65) is odd and rounds to 70. B (68) is even. C (72) is even. D (74) is even.
- 4) **Choice B is correct.** **(3.G.A.1)** Both squares and rhombuses have 4 sides that are all equal in length. Squares also have 4 right angles, but rhombuses do not necessarily have them.
- 5) **Choice A is correct.** **(3.NF.A.3d)** Eli ate the whole bar because $\frac{3}{3} = 1$. Mia ate less than the whole bar, so Eli ate more.
- 6) **Choice C is correct.** **(3.MD.B.3)** $8 \times 10 = 80$ items.
- 7) **Choice B is correct.** **(3.NF.A.2a)** Option B has equal spacing. Option A is unequal; distances differ.
- 8) **Choice C is correct.** **(3.NF.A.3c)** $\frac{3}{1} = 3$ (three wholes). $\frac{6}{2} = 6 \div 2 = 3$ wholes. $\frac{9}{3} = 9 \div 3 = 3$ wholes. All three equal 3.
- 9) **Choice D is correct.** **(3.OA.C.6a)** If $8 \times 8 = 64$, then $64 \div 8 = 8$. Multiplication and division are related.
- 10) **Choice D is correct.** **(3.OA.A.2)** $15 \div 3 = 5$ because $3 \times 5 = 15$. There are 5 groups of 3 in 15, not 4.
- 11) **Choice A is correct.** **(3.NF.A.1)** The circle is divided into 6 equal parts. One part is shaded, so the shaded fraction is $\frac{1}{6}$ (one-sixth).
- 12) **Choice C is correct.** **(3.G.A.2)** Three out of six equal strips make $\frac{3}{6}$.
- 13) **Choice D is correct.** **(3.NBT.A.3)** $4 \times 20 = 4 \times (2 \times 10) = (4 \times 2) \times 10 = 8 \times 10 = 80$. This uses associative property: you break 20 into 2×10 , multiply the single digits first, then multiply by 10.
- 14) **The correct answer is 6.** **(3.NF.A.3a)** The denominator doubles, so the numerator doubles: $3 \times 2 = 6$.
- 15) **Choice A is correct.** **(3.OA.A.3)** Multiply: 2 shelves \times 9 books per shelf = 18 books.
- 16) **The correct answer is 1 inch.** **(3.MD.B.4)** Range = max - min = $8 - 7 = 1$ inch.
- 17) **Choices A only are correct.** **(3.NF.A.3b)** $\frac{1}{4} = \frac{2}{8}$ (multiply by 2). Choice B equals $\frac{1}{3}$. Choices C, D, and E are not equivalent to $\frac{1}{4}$.
- 18) **Choice D is correct.** **(3.OA.B.5)** The missing number is the product: $6 \times 7 = 42$. This fact family contains $6 \times 7 = 42$, $7 \times 6 = 42$, $42 \div 6 = 7$, and $42 \div 7 = 6$.
- 19) **Choice C is correct.** **(M.3.MD.A.2)** 5 L = 5000 mL. Divide: $5000 \div 200 = 25$ glasses. Tests estimation.
- 20) **Choice D is correct.** **(3.MD.C.5)** Area is the amount of space inside a flat shape. It is measured in square units such as square inches, square feet, or square centimeters. Perimeter and length use regular units (inches, feet), not square units.
- 21) **Choice D is correct.** **(3.OA.A.3)** Divide: $32 \div 4 = 8$ stickers per friend.
- 22) **Choice D is correct.** **(3.OA.D.8)** Odd numbers increase by 2 each time. $21 + 2 = 23$.
- 23) **Choice D is correct.** **(3.OA.D.7)** Step 1: Total prizes: $3 \times 9 = 27$ prizes. Step 2: Give away: $27 - 10 = 17$ prizes left.
- 24) **Choice D is correct.** **(3.MD.C.6)** Area = $10 \times 6 = 60$ square centimeters.
- 25) **Choice A is correct.** **(3.NBT.A.2)** For $405 - 189$, the standard algorithm with regrouping (forming 3 hundreds 9 tens from 4 hundreds 0 tens) is most direct. Count-up (C) requires many jumps; estimation (D) loses precision; place-value (B) requires tracking three separate subtractions. The algorithm minimizes errors for this problem.
- 26) **The correct answer is 15.** **(3.OA.B.4)** $3 \times 5 = 15$.
- 27) **Choice B is correct.** **(3.NF.A.2b)** $\frac{5}{6}$ means $5 \times \frac{1}{6}$, so there are 5 equal steps from 0. Distractor A: distance to 1 is $\frac{1}{6}$, which is 1 part, not 1 tick per se (ambiguous). Distractor C: false; $\frac{5}{6}$ is much closer to 1. Distractor D: false; it is at the 5th tick.
- 28) **Choice D is correct.** **(3.NF.A.3b)** The line from 0 to 2 is cut into 4 equal steps, so each step is $\frac{1}{2}$. The third tick is $1\frac{1}{2}$.
- 29) **Choice C is correct.** **(3.MD.C.7b)** Area = length \times width = $4 \times 6 = 24$ square inches.
- 30) **Choice D is correct.** **(3.OA.A.1)** 3 friends with 8 stickers each means 3 groups of 8. So $3 \times 8 = 24$ stickers in all.



Hi, Curious Scientist!

◇ 6 tests. So many experiments! You tested ideas. You watched what worked. You learned a lot. That's how scientists work—and how you work! ◇

★ **Scientists know:** mistakes are facts, not failures. Every problem you missed taught you something. You used those facts to do better next time. ★

Lab Results

- **Hypothesis:** CONFIRMED! Practice makes you better.
- **Method:** STRONG! You try, watch, and adjust.
- **Data:** CAREFUL! You read and copy numbers right.
- **Conclusion:** READY! You can do this test.

Scientist tip: on test day, stay curious. Ask, "What is this asking?" Then experiment with your math tools. You will find the answer!

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

Jay Daie

Your Math Scientist

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This **Grade 3 Math Practice Tests** book is the perfect companion for students who want to strengthen their math skills and excel in school. With **6** full-length practice tests designed to reflect real test formats, students get the practice they need to understand key concepts, build problem-solving skills, and tackle any challenge with confidence.

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