

5

Wisconsin

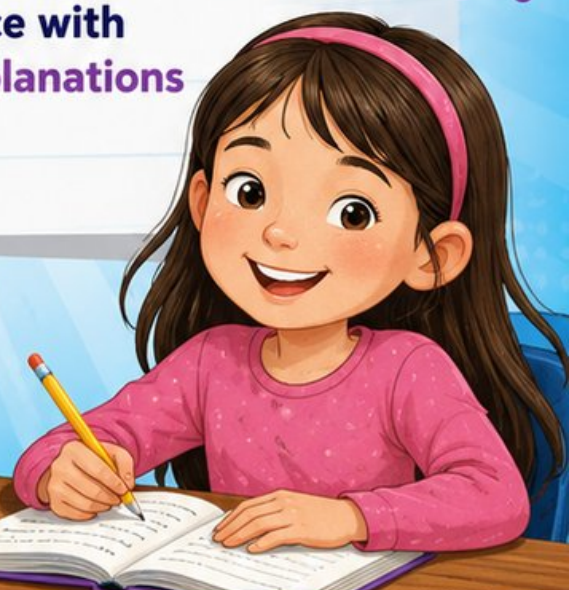
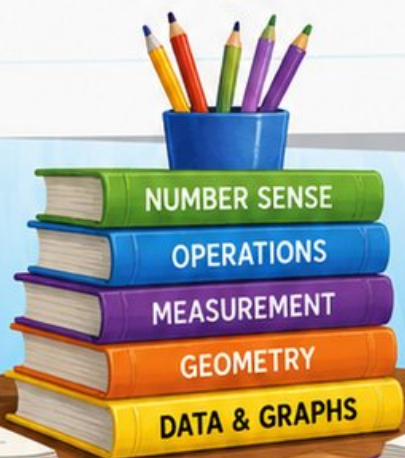
Forward Exam

GRADE 3

MATH

PRACTICE TESTS

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



5 FULL-LENGTH  
PRACTICE TESTS



STANDARDS-  
ALIGNED  
PRACTICE



DETAILED  
ANSWER KEYS



CLEAR  
EXPLANATIONS  
TO HELP YOU SUCCEED



3



$$\begin{array}{r} 125 \\ + 37 \\ \hline \end{array}$$



$$24 \div 3 = 8$$

# 5 Wisconsin Forward Exam Grade 3 Math Practice Tests

*Standards-Aligned Review with Mixed Practice and Answer Key*



Five focused 30-question checkpoints for Grade 3 math: facts, fractions, measurement, data, area, shapes, answer keys, and clear explanations for every item.

**Jay Daie and Reza Nazari**



# Copyright ©

**Testinar Inc**



Published by Testinar Inc

[Testinar.com](http://Testinar.com)

All rights reserved. No part of this publication may be reproduced, distributed, or transmitted in any form or by any means, including photocopying, recording, or other electronic or mechanical methods, without the prior written permission of the author, except in the case of brief quotations embodied in critical reviews and certain other noncommercial uses permitted by copyright law, including Section 107 or 108 of the 1976 United States Copyright Act.

This publication is independently produced and has no official connection to any state, district, or national testing program.

Test names and organizational names used herein are the property of their respective trademark holders.



*Copyright ©*

# Welcome to the Five Checkpoint Quest

Five tests, five fresh starts, and one stronger Grade 3 thinker



Read. Model. Solve. Check. Grow.

## To the Grade 3 Math Explorer

This book gives you five practice checkpoints for the Wisconsin Forward Exam. Each checkpoint is a full 30-question test, so you can practice stamina, accuracy, and the habit of showing what you know.

Wisconsin has lake winds, dairy roads, forest trails, and winter mornings where steady thinking matters. Strong math uses the same kind of careful planning: look at the path, choose a tool, and check your work before moving ahead.

### Notice

Circle key words, units, and numbers before you start.

### Build

Use arrays, number lines, equations, tables, or sketches.

### Verify

Ask, "Does this answer fit the question?"

**Five-checkpoint promise:** I will try each test with patience, mark my mistakes honestly, and use every correction to make the next checkpoint stronger.

# How to Use This Book

A five-step routine for steady Grade 3 growth

Use one checkpoint at a time. A good pace is one test, one careful review, and one short skill tune-up before the next test.

1. **Preview the tools.** Skim the reference page and remember where multiplication, fractions, measurement, and shapes appear.
2. **Take one full test.** Work neatly. If a problem feels stuck, mark it and keep moving.
3. **Check the answer key.** Notice the question type: multiple choice, select all, or open-ended.
4. **Study explanations.** Pick two missed questions and redo them without looking.
5. **Choose the next focus.** Write one habit to carry into the next checkpoint.

**Best review habit:** Do not just ask, “What was the answer?” Ask, “What clue did I miss, and what tool should I try next time?”



## What Is Inside?

Five complete practice tests with review support

Part	What You Do	Why It Helps
Practice Tests 1–5	Solve five different 30-question tests.	Build stamina and see many Grade 3 skills mixed together.
Answer Keys	Check each answer in compact boxes.	Find mistakes quickly without losing your place.
Explanations	Read the reason behind each answer.	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. That mix gives students practice with quick choices, careful reasoning, and short written answers.



Scan me!  
For more practice  
& answers

# Table of Contents

★ Practice Test 1	_____	18
★ Practice Test 2	_____	31
★ Practice Test 3	_____	43
★ Practice Test 4	_____	55
★ Practice Test 5	_____	68
Practice Test Answer Keys	_____	79
Practice Test Answers and Explanations	_____	83

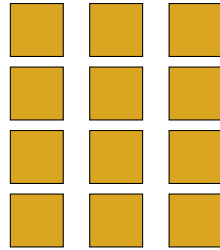
1) How many unit fractions of  $\frac{1}{2}$  make a whole?

A. 1

C. 3

B. 2

D. 4



2)

How many rectangles are shown?

A. 7 rectangles

C. 4 rectangles

B. 10 rectangles

D. 12 rectangles

3) Which is larger:  $\frac{2}{3}$  or  $\frac{2}{4}$ ?

4) This area model shows  $4 \times 60$ . What is the missing part?

$6 \times 10$	$6 \times 10$	$6 \times 10$	$6 \times 10$
---------------	---------------	---------------	---------------

$$4 \times 60 = (4 \times 6 \times 10) = ?$$

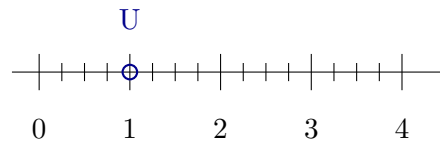
A. 24

C. 240

B. 60

D. 2400





5)

The number line from 0 to 4 is divided into fourths. Point  $U$  is labeled. What fraction does point  $U$  represent?

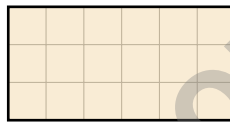
A.  $\frac{1}{4}$

C.  $\frac{4}{3}$

B.  $\frac{3}{4}$

D.  $\frac{4}{4}$

6) This grid shows a shape made of unit squares.



The area is how many square units?

A. 18 sq units

C. 9 sq units

B. 15 sq units

D. 20 sq units

7) In a multiplication table, the diagonal from top-left goes:  $1 \times 1 = 1$ ,  $2 \times 2 = 4$ ,  $3 \times 3 = 9$ ,  $4 \times 4 = 16$ ,  $5 \times 5 = 25$ .

What pattern do you see?

A. All numbers are even

C. All products are even

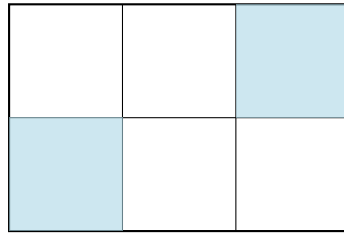
B. Numbers increase by 5

D. Numbers are perfect squares



Scan me!  
For more practice  
& answers

8) A rectangle is divided into 6 equal parts with 2 shaded. What fraction is NOT shaded?



- A.  $\frac{2}{6}$ 
 C.  $\frac{1}{6}$   
 B.  $\frac{4}{6}$ 
 D.  $\frac{6}{6}$

9) A line plot shows rainfall amounts in inches:  $1, 1\frac{1}{4}, 1\frac{1}{2}, 1\frac{3}{4}, 2$ . If there are 2 days with 1 inch, 3 days with  $1\frac{1}{4}$  inches, 2 days with  $1\frac{1}{2}$  inches, and 1 day with  $1\frac{3}{4}$  inches, how many days had 2 inches if the total is 10 days?

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

10) Which is equivalent to  $\frac{1}{4}$ ?

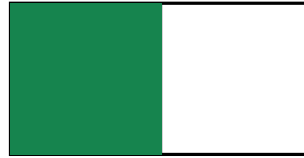
- A.  $\frac{2}{4}$ 
 C.  $\frac{2}{8}$   
 B.  $\frac{1}{8}$ 
 D.  $\frac{4}{8}$

11) The bar shows  $\frac{8}{4}$ . How many whole units?



- A. 1 whole
  C. 4 wholes  
 B. 2 wholes
  D. 8 wholes

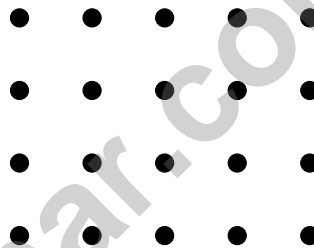
- 1) A rectangle is divided into 2 equal parts. One part is shaded.



What unit fraction is shaded?

- A.  $\frac{1}{3}$ 
 C.  $\frac{1}{4}$   
 B.  $\frac{1}{2}$ 
 D.  $\frac{2}{2}$

- 2) Look at the array diagram below showing groups of dots. Which division equation matches?



5 columns and 4 rows = 20 dots

- A.  $20 \div 5 = 4$ 
 C.  $20 \div 5 = 5$   
 B.  $20 \div 4 = 4$ 
 D.  $20 - 5 = 15$

- 3)

Bag	Mass
Apples	4 kg
Oranges	2500 g

Which bag is heavier?

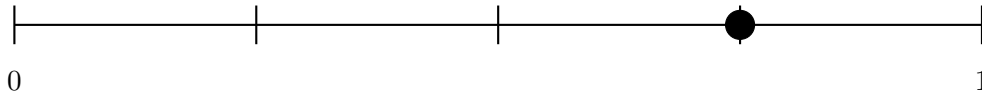
- A. The apples (4 kg)
  C. Both bags weigh the same  
 B. The oranges (2500 g)
  D. Cannot be determined



Scan me!  
For more practice  
& answers



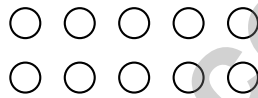
- 1) On a number line, the point is at  $\frac{3}{4}$  of the way from 0 to 1. If the line is divided into 4 equal parts, at which tick mark is the point?



- A. First tick mark                       C. Third tick mark  
 B. Second tick mark                     D. Fourth tick mark
- 2) Round 92 to the nearest 10.

- A. 80                                       C. 92  
 B. 100                                     D. 90

3)

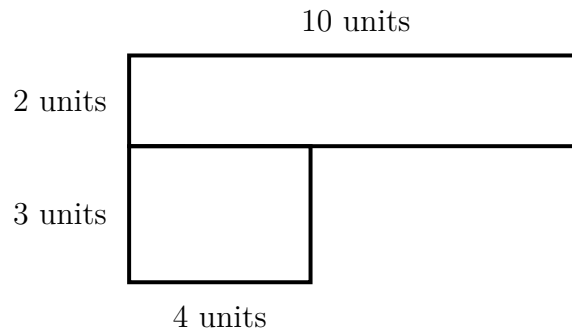


What multiplication does this show?

- A.  $2 \times 10 = 20$                        C.  $3 \times 5 = 15$   
 B.  $5 \times 5 = 25$                          D.  $2 \times 5 = 10$
- 4) Olivia buys 4 bags of candy with 8 pieces in each bag. She eats 12 pieces. How many pieces of candy does she have left?
- A. 20                                       C. 32  
 B. 25                                       D. 35



- 5) An L-shaped herb garden is marked with dashed lines. One part is 10 units by 2 units. The other is 4 units by 3 units. What is the total area?



- A. 20 sq units                       C. 32 sq units  
 B. 12 sq units                       D. 240 sq units
- 6) Mia colored  $\frac{2}{2}$  of a rectangle. How many whole rectangles did she color?



- A. 0                                       C. 2  
 B.  $\frac{1}{2}$                                        D. 1
- 7) A bar graph shows hours practiced. Piano: 6 units (scale: 2 hours per unit). Guitar: 4 units (scale: 2 hours per unit). How many more hours was piano practiced?
- A. 2                                       C. 8  
 B. 4                                       D. 12
- 8) Find a fraction equivalent to  $\frac{2}{6}$ .



Scan me!  
For more practice  
& answers

## 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.**

Testinar.com



Scan me!  
For more practice  
& answers

## Practice Test Answers and Explanations

### Practice Test 1 Answers and Explanations

- Choice B is correct.** **(3.NF.A.1)**  $\frac{1}{2} + \frac{1}{2} = \frac{2}{2} = 1$  whole. So 2 unit fractions of  $\frac{1}{2}$  make a whole.
- Choice D is correct.** **(3.OA.A.1)** The picture shows 3 columns with 4 rectangles in each column. So  $3 \times 4 = 12$  rectangles.
- The correct answer is  $\frac{2}{3}$ .** **(3.NF.A.3d)** Thirds are larger pieces than fourths.
- Choice C is correct.** **(3.NBT.A.3)** The area model shows 4 groups of  $(6 \times 10)$ . Adding:  $60 + 60 + 60 + 60 = 240$ . Or:  $(4 \times 6) \times 10 = 24 \times 10 = 240$ .
- Choice D is correct.** **(3.NF.A.2b)** Point  $U$  is at position 1 on the number line. Since the line is divided into fourths, this position is the 4th fourth-mark:  $\frac{4}{4} = 1$ .
- Choice A is correct.** **(3.MD.C.6)**  $6 \times 3 = 18$  unit squares.
- Choice D is correct.** **(3.OA.D.9)** Each product is made by multiplying a number by itself:  $1 \times 1$ ,  $2 \times 2$ ,  $3 \times 3$ , and so on. That is the pattern on this diagonal.
- Choice B is correct.** **(3.G.A.2)** If 2 out of 6 parts are shaded, then  $6 - 2 = 4$  parts are not shaded, which is  $\frac{4}{6}$ .
- Choice B is correct.** **(3.MD.B.4)** Add known days:  $2 + 3 + 2 + 1 = 8$ . Subtract from total:  $10 - 8 = 2$  days with 2 inches.
- Choice C is correct.** **(3.NF.A.3b)** Multiply numerator and denominator by 2:  $\frac{1 \times 2}{4 \times 2} = \frac{2}{8}$ .
- Choice B is correct.** **(3.NF.A.3c)** 8 fourths  $\div$  4 fourths per whole =  $8 \div 4 = 2$  wholes. The bar shows 2 full sections (thick line at middle).
- Choice C is correct.** **(3.NF.A.2)** On the number line,  $\frac{4}{6}$  is to the right of  $\frac{3}{6}$  (which equals  $\frac{1}{2}$ ), so  $\frac{4}{6} > \frac{1}{2}$ .
- Choice D is correct.** **(3.OA.A.2)** Measurement division:  $40 \div 5 = 8$ . There are 8 groups of 5 in 40.
- Choice D is correct.** **(3.OA.B.5)**  $5 \times 4 = 20$  and  $5 \times 5 = 25$ , so  $20 + 25 = 45$ . This also equals  $5 \times 9 = 45$ .
- Choice A is correct.** **(3.OA.B.6)** From any multiplication fact, you always get two division facts. Both factors work as quotients when dividing the product.
- Choices A and C are correct.** **(3.MD.C.7)** A is correct (core formula: length  $\times$  width = area). C is correct (counting unit squares shows area). B is perimeter-like, not area. D is false:  $5 \times 5 = 25$ , not 10. E is false (this is neither area nor perimeter).
- The correct answer is 9.** **(3.OA.A.4)** Divide:  $27 \div 3 = 9$ . Check:  $9 \times 3 = 27$ .
- Choice B is correct.** **(3.NF.A.2a)** The second tick is two of the four equal parts from 0.
- Choice A is correct.** **(3.MD.C.7c)**  $9 \times (2 + 2) = 9 \times 4 = 36$ , and we can show this as two  $9 \times 2$  rectangles side by side.
- Choice C is correct.** **(3.MD.C.5a)** Area =  $9 \text{ in} \times 2 \text{ in} = 18$  square inches = 18 unit squares.
- Choice D is correct.** **(3.NBT.A.2)** Add:  $127 + 234 = 361$ . Ones:  $7 + 4 = 11$  (write 1, carry 1). Tens:  $2 + 3 + 1 = 6$ . Hundreds:  $1 + 2 = 3$ .
- Choice B is correct.** **(3.MD.C.5b)**  $5 \times 6 = 30$  unit square pavers.
- The correct answer is 7.** **(3.OA.C.7)**  $35 \div 5 = 7$ .
- Choice A is correct.** **(3.MD.C.5)** Multiply length by width:  $11 \times 8 = 88$  square inches.
- Choice B is correct.** **(3.OA.D.8)** Step 1: Multiply:  $3 \times 5 = 15$  apples. Step 2: Subtract:  $15 - 3 = 12$  apples left. (Choice C is step 1 only; choice A miscalculates step 2.)
- Choice C is correct.** **(3.NBT.A.1)** The point is closer to 50 than to 40. Numbers from 45 to 49 round to 50.
- Choice A is correct.** **(3.G.A.1)** In a square, all 4 sides are the same length. So the green sides and blue sides are all equal to each other.
- Choice C is correct.** **(3.MD.C.7d)** Top:  $3 \times 5 = 15$  sq units. Bottom left:  $2 \times 4 = 8$  sq units. Bottom right:  $2 \times 4 = 8$  sq units. Total:  $15 + 8 + 8 = 31$  sq units.
- Choice B is correct.** **(3.MD.A.1)** From  $2 : 35$  to  $3 : 05$  spans 2 intervals on the number line:  $15 + 15 = 30$  minutes.
- Choice B is correct.** **(3.MD.B.3)**  $4 \times 2 = 8$  books.



Scan me!  
For more practice  
& answers

## Hi, Brave Explorer!

◇ What a trip! You explored 5 full tests. You went to many math places: multiplication, fractions, area, time, and more. ◇

★ **Smart explorers know:** every trip teaches something. Through 5 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](mailto:jay@testinar.com).

**Jay Daie**

Your Math Trail Guide

Testinar.com

# Build Skills. Boost Confidence. Excel in Grade 3 Math!

This book provides 5 full-length Grade 3 math practice tests that follow standards and help students achieve real results.



## 5 Full-Length Practice Tests

Realistic tests to build stamina and familiarity.



## Standards-Aligned Practice

Questions match Grade 3 math standards and key skills.



## Answer Keys & Explanations

Detailed answers that show steps and clear reasoning.



## Review & Master Skills

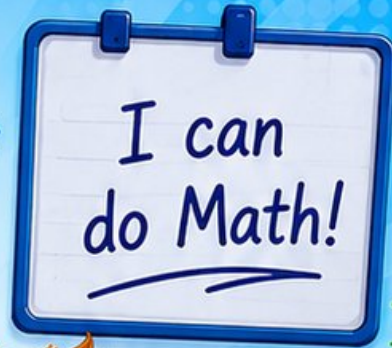
Strengthen concepts in numbers, operations, fractions, geometry, measurement, and more.

## COVERS ALL ESSENTIAL TOPICS

- ✓ Whole Numbers
- ✓ Operations & Algebraic Thinking
- ✓ Number Patterns
- ✓ Fractions & Decimals
- ✓ Measurement & Data
- ✓ Geometry
- ✓ Perimeter, Area & Volume
- ✓ Time & Money
- ✓ Data & Graphs
- ✓ Word Problems
- ✓ And More!



Visit [testinar.com/math3](https://testinar.com/math3)  
for more Grade 3 math resources  
and practice materials!



$$\begin{array}{r} 7 \times 8 \\ = 56 \end{array}$$

$$\begin{array}{r} 36 \\ \div 4 = 9 \end{array}$$

$$\begin{array}{r} 452 \\ - 178 \\ \hline = 274 \end{array}$$



Everything Your Child Needs  
to Succeed in Grade 3 Math!



## Perfect For:



Classroom  
Learning



Homework  
Support



Test  
Preparation



Extra Practice  
& Review