

# 8 Indiana I LEARN GRADE 4



## PRACTICE TESTS



Standards-Aligned Review with  
Mixed Practice and Answer Key

**COMPREHENSIVE  
TEST PREP**

Includes Solutions

# 8 Indiana ILEARN Grade 4 Math Practice Tests

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



Eight complete 30-question Grade 4 practice rounds for ILEARN, built around covered bridges, race-day focus, and fast fact fluency, with 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, Indiana Math Explorer!

Eight steady rounds on the Hoosier State math route

This book gives you eight full Grade 4 practice tests for ILEARN. Each round uses covered bridges, race-day focus, and fast fact fluency to keep practice memorable while you read carefully, choose a strategy, show work, and check the answer.

## Indiana 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 Indiana ILEARN 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 Hoosier 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?

Eight tests, 240 questions, and a full ILEARN review path

Part	What You Will Practice
Tests 1–3	Warm-up rounds for reading carefully, choosing operations, and using models.
Tests 4–6	Skill-building rounds with fractions, measurement, area, data, and two-step problems.
Tests 6–8	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.



Scan me!  
For more practice  
& answers

# Table of Contents

★ Practice Test 1	_____	14
★ Practice Test 2	_____	25
★ Practice Test 3	_____	36
★ Practice Test 4	_____	47
★ Practice Test 5	_____	58
★ Practice Test 6	_____	71
★ Practice Test 7	_____	82
★ Practice Test 8	_____	94
<b>Practice Test Answer Keys</b>	_____	<b>105</b>
<b>Practice Test Answers and Explanations</b>	_____	<b>106</b>

1) Which decimal is between 0.3 and 0.4?

A. 0.25

C. 0.45

B. 0.35

D. 0.05

2) Add:  $5,234 + 2,145 = ?$

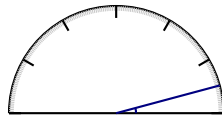
A. 7,279

C. 7,479

B. 8,379

D. 7,379

3)



What is the measure of this very small acute angle?

A. 10 degrees

C. 20 degrees

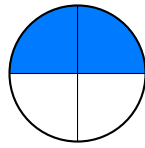
B. 15 degrees

D. 25 degrees

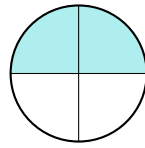
4) A recipe for cookies uses  $\frac{2}{5}$  cup of chocolate chips. If you triple the recipe, how many cups of chocolate chips do you need?



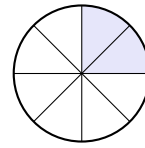
5) Sam shaded  $\frac{1}{2}$  of a circle. Which other circle shows an equivalent fraction?



A:  $\frac{1}{2}$



B:  $\frac{2}{4}$



C:  $\frac{2}{8}$

A. Circle A

C. Circle C

B. Circles B and C

D. Circle B

6) Jayden read  $2\frac{1}{8}$  chapters in the morning,  $3\frac{4}{8}$  chapters in the afternoon, and  $1\frac{2}{8}$  chapters in the evening. How many chapters did he read in total?

A.  $6\frac{7}{8}$  chapters

C.  $6\frac{5}{8}$  chapters

B.  $6\frac{6}{8}$  chapters

D.  $7\frac{1}{8}$  chapters

7) A table is 2 meters long. Convert this to centimeters.

8) A library has 13 shelves. Each shelf holds 64 books. How many books are on these shelves?

A. 832 books

C. 845 books

B. 778 books

D. 912 books



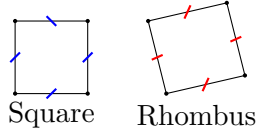
Scan me!  
For more practice  
& answers

9) Which shows the first four consecutive multiples of  $\frac{1}{3}$  in order?

- A.  $\frac{1}{3}, \frac{2}{3}, \frac{4}{3}, \frac{5}{3}$   
 B.  $\frac{1}{3}, \frac{2}{3}, \frac{3}{3}, \frac{4}{3}$

- C.  $\frac{1}{3}, \frac{1}{6}, \frac{1}{9}, \frac{1}{12}$   
 D.  $\frac{1}{3}, \frac{2}{3}, \frac{3}{9}, \frac{4}{9}$

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



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

11) Round 41,449 to the nearest hundred.

- A. 42,000  
 B. 41,450  
 C. 41,500  
 D. 41,400

12) Complete the table using the rule “multiply by 3”:

Input	1	2	3	4	5
Output	3	6	9	?	?

1) Diego wants to give away  $\frac{5}{6}$  of his sticker sheets. What fraction is that as a sum of unit fractions?

A.  $\frac{1}{5} + \frac{1}{5} + \frac{1}{5} + \frac{1}{5} + \frac{1}{5}$

B.  $\frac{5}{6}$

C.  $\frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6}$

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

2) Which decimal represents  $\frac{60}{100}$ ?

A. 0.06

B. 0.6

C. 6.0

D. 0.66

3) A water jug contains 3 liters. How many milliliters is this?

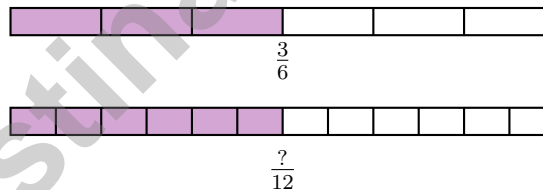
A. 300

B. 3,000

C. 30,000

D. 300,000

4) Look at the two fraction bars. Both are the same length.



What number replaces the question mark?

A. 4

B. 5

C. 6

D. 8



Scan me!  
For more practice  
& answers

5) Which shows the correct first step when adding  $3,456 + 2,789$  using regrouping?

- A.  $6 + 9 = 15$  (write 5, carry 1)       C.  $4 + 7 = 11$  (write 1, carry 1)  
 B.  $5 + 8 = 13$  (write 3, carry 1)       D.  $3 + 2 = 5$  (no carry)

6) Which digit is in the hundreds place of the number shown in the chart?

Thousands	Hundreds	Tens	Ones
1	8	6	2

- A. 1       C. 6  
 B. 2       D. 8

7) A pattern of numbers follows the rule “add the previous two numbers.” Starting with 3 and 4, what is the 5th term?

- A. 12       C. 16  
 B. 14       D. 18

8) Students recorded the thickness of books using fourths of an inch. The data are:  $\frac{2}{4}$ ,  $\frac{3}{4}$ ,  $\frac{2}{4}$ ,  $\frac{2}{4}$ . If you plot this data, how many X marks will be above  $\frac{2}{4}$ ?

- A. 1       C. 3  
 B. 2       D. 4

9) Which ordering is correct?

- A.  $\frac{4}{5} > \frac{4}{6} > \frac{4}{8}$        C.  $\frac{4}{5} = \frac{4}{6} = \frac{4}{8}$   
 B.  $\frac{4}{8} > \frac{4}{6} > \frac{4}{5}$        D.  $\frac{4}{6} > \frac{4}{5} > \frac{4}{8}$



1) A runner completes  $\frac{5}{6}$  of a race, then stops for water. After water, she runs  $\frac{1}{6}$  more. Did she complete the full race?

- A. Yes, she ran  $\frac{6}{6}$  or the whole race       C. No, she ran  $\frac{5}{12}$  of the race  
 B. No, she only ran  $\frac{5}{6}$        D. Yes, she ran  $\frac{7}{6}$  of the race

2) Look at the table below. What is the rule for the pattern?

Input	1	2	3	4
Output	5	10	15	20

- A. Divide by 2       C. Multiply by 4 then add 1  
 B. Add 4       D. Multiply by 5

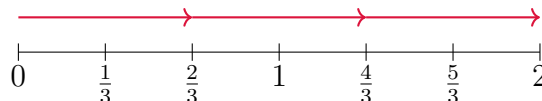
3) Which comparison is true?

- A.  $0.6 < 0.59$        C.  $0.6 > 0.59$   
 B.  $0.6 = 0.59$        D.  $0.6 < 0.5$

4) Add:  $3,456 + 4,567 = ?$

- A. 8,012       C. 7,923  
 B. 7,913       D. 8,023

5) Use the number line to find  $3 \times \frac{2}{3}$ .



- A.  $\frac{2}{3}$        C. 2  
 B.  $1\frac{1}{3}$        D.  $\frac{9}{3}$  or 3



- 6) Maya painted  $\frac{6}{9}$  of her bedroom wall on Monday and  $\frac{2}{9}$  on Tuesday. What fraction of the wall did she paint in total?

- 7) A compass needle rotates  $78^\circ$  clockwise, then another  $42^\circ$  clockwise. What is the total clockwise rotation?

- A.  $36^\circ$                        C.  $78^\circ$   
 B.  $120^\circ$                      D.  $180^\circ$

- 8) Which pair are both factors of 36?

- A. 4 and 8                       C. 6 and 9  
 B. 6 and 7                       D. 8 and 9

- 9) Look at the base-ten model below. What number does it represent?



- A. 6,142                       C. 1,462  
 B. 4,612                       D. 4,162



Scan me!  
For more practice  
& answers

## 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.**

Testinar.com



Scan me!  
For more practice  
& answers

## Practice Test Answers and Explanations

### Practice Test 1 Answers and Explanations

- Choice B is correct.** (4.NS.3) 0.35 fits perfectly between 0.3 and 0.4. The other options fall outside this range.
- Choice D is correct.** (4.NS.7) Add from right to left: ones  $4 + 5 = 9$ , tens  $3 + 4 = 7$ , hundreds  $2 + 1 = 3$ , thousands  $5 + 2 = 7$ . The sum is **7,379**.
- Choice B is correct.** (4.CA.4) The ray points to the  $15^\circ$  mark. Since  $15^\circ$  is very close to  $0^\circ$  and less than  $90^\circ$ , this is a small acute angle. The answer is **15** degrees.
- The correct answer is  $\frac{6}{5}$ .** (4.NS.2) Multiply the amount by 3: Making 3 batches, each using  $\frac{2}{5}$  cup of flour, means we multiply:  $3 \times \frac{2}{5} = \frac{6}{5}$  cups.
- Choice D is correct.** (4.NS.3) The shaded parts show the same area.  $\frac{1}{2}$  and  $\frac{2}{4}$  are equivalent because we split each half in half, creating twice as many pieces. Circle C shows only  $\frac{1}{4}$ , which is much less.
- Choice A is correct.** (4.CA.6) Add the wholes:  $2 + 3 + 1 = 6$ . Add the fractions:  $\frac{1}{8} + \frac{4}{8} + \frac{2}{8} = \frac{7}{8}$ . The total is  **$6\frac{7}{8}$**  chapters.
- The correct answer is 200.** (4.M.2) Since 1 meter = 100 centimeters, multiply:  $2 \times 100 = 200$  cm.
- Choice A is correct.** (4.CA.1) Multiply by parts:  $13 \times (60 + 4) = 780 + 52 = \mathbf{832}$  books.
- Choice B is correct.** (4.NS.2) Multiples of  $\frac{1}{3}$  count by thirds: first  $\frac{1}{3}$ , then  $\frac{2}{3}$ , then  $\frac{3}{3}$ , then  $\frac{4}{3}$ . The fraction  $\frac{3}{3}$  equals 1, but it is written in thirds here to show the counting pattern. That's exactly what choice B shows!
- Choice A is correct.** (4.G.3) Both a square and a rhombus have four equal sides in length. However, a square must have all right angles at each corner, while a rhombus does not have to have any right angles. The answer is **A**.
- Choice D is correct.** (4.NS.7) We're rounding to the nearest hundred. Look at the tens digit: 4. Since  $4 < 5$ , we round DOWN. The hundreds digit stays at 4, giving us **41,400**. ✓
- The correct answer is 12, 15.** (4.CA.4) Multiply by 3: Input 4 gives  $4 \times 3 = 12$ ; Input 5 gives  $5 \times 3 = 15$ . The outputs are **12, 15**.
- Choice B is correct.** (4.CA.6) The recipe needs more flour than Noah has. Find the difference:  $\frac{5}{4} - \frac{3}{4} = \frac{2}{4}$  cups more flour needed.
- Choice C is correct.** (4.M.3) The movie starts at 2:30 p.m. and ends at 4:15 p.m. From 2:30 to 3:30 is 60 minutes, plus 45 more to 4:15. Total:  $60 + 45 = 105$  minutes. The movie is **105** minutes long.
- Choice B is correct.** (4.G.2) An isosceles trapezoid has two equal slanted legs and a vertical line of symmetry straight down the middle. This divides it so both sides match perfectly. The answer is **1** line of symmetry.
- Choice A is correct.** (4.NS.3)  $\frac{2}{100}$  is tiny (close to 0), while  $\frac{99}{100}$  is almost 1. So  $\frac{2}{100} < \frac{99}{100}$ . The benchmark fractions 0 and 1 show the comparison clearly.
- Choice A is correct.** (4.CA.6) When the denominators match, add the numerators!  $4 + 5 = 9$ , so we get  $\frac{4}{10} + \frac{5}{10} = \frac{9}{10}$ . ✓.
- The correct answer is A, B.** (4.NS.7) A is true: thousands (1,000)  $\div$  hundreds (100) = 10. B is true: hundreds (100)  $\div$  tens (10) = 10. C, D, E are false. Answer: A and B. ✓
- Choice B is correct.** (4.G.2) When naming an angle with three letters, the vertex is always the middle letter, like  $\angle ABC$ .
- Choice D is correct.** (4.CA.4) A multiple of 7 is what you get from  $7 \times$  a whole number. Since  $7 \times 7 = 49$ , that makes 49 a multiple of 7. The others don't fit:  $45 = 5 \times 9$ ,  $52 = 4 \times 13$ ,  $60 = 6 \times 10$ .
- Choice A is correct.** (4.CA.5) To find the missing part, subtract what you know from the whole:  $112^\circ - 63^\circ = \mathbf{49^\circ}$ .
- Choice A is correct.** (4.NS.3) The trailing zero doesn't matter: 0.80 and 0.8 are the same, both equal to  $\frac{8}{10}$ .
- Choice C is correct.** (4.NS.3) To convert  $\frac{4}{10}$  to hundredths, multiply both the numerator and denominator by 10:  $\frac{4}{10} = \frac{40}{100}$ .
- Choice A is correct.** (4.CA.6) The recipe needs  $\frac{2}{3}$  cup of flour. This is 2 equal pieces, each  $\frac{1}{3}$  cup. So  $\frac{2}{3} = \frac{1}{3} + \frac{1}{3}$ .
- Choice A is correct.** (4.NS.2) When we multiply  $2 \times \frac{1}{3}$ , we're taking 2 copies of  $\frac{1}{3}$ , which gives us  $\frac{2}{3}$ . Picture A shows one whole divided into thirds with exactly 2 parts shaded. This is Picture A.
- Choice B is correct.** (4.M.4)  $P = 2(13) + 2(6) = 26 + 12 = 38$  in.



Captain's Log

---

## Ahoy, Math Sailor!

◇ You sailed through 8 full tests. Some waters were calm. Some waters were rough. You kept your boat steady the whole way. ◇

★ **Captain's truth:** good sailors stay calm. They use the wind. They check the map. You did all those things on every test. ★

### Sailor's Skills

- **Steady Hand:** You stay calm even when problems are tricky.
- **Map Skills:** You read each problem carefully.
- **Brave Spirit:** You believe in yourself.
- **Safe Harbor:** You finish what you start.

**Captain's tip:** on test day, sail steady. Trust the map you built through 8 practice tests. You will reach safe harbor!

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 Captain

# 8 PRACTICE TESTS. PREPARE. PRACTICE. SUCCEED!

This **Grade 4 Math Practice Tests** book is designed to help students build strong math skills, master essential concepts, and boost confidence for success in the classroom and beyond.

Featuring 8 full-length practice tests, a variety of question types, and detailed answer explanations, this book provides the practice and support students need to improve accuracy, strengthen problem-solving abilities, 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 IN MATH.  
SUCCESS FOR LIFE.

## 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.



### Track Progress

Measure growth across multiple practice tests.



### Academic Success

Strengthen skills needed for future learning.

## TOPICS COVERED

- ✓ Place Value & Number Sense
- ✓ Multi-Digit Addition & Subtraction
- ✓ Multiplication & Division
- ✓ Fractions & Equivalent Fractions
- ✓ Geometry & Shapes
- ✓ Measurement & Data
- ✓ Perimeter & Area
- ✓ Word Problems
- ✓ Patterns & Algebraic Thinking
- ✓ Graphs & Data Interpretation
- ✓ Mathematical Reasoning
- ✓ And More! ★



Visit [testinar.com/math4](https://testinar.com/math4) for additional Grade 4 math resources and practice materials.

## MORE PRACTICE. GREATER RESULTS.

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

## A COMPLETE PRACTICE EXPERIENCE TO HELP STUDENTS THRIVE!



Builds Confidence Through Practice



Strengthens Critical Thinking & Problem Solving



Encourages Independent Learning



Prepares Students for Future Success