

# 6 Indiana ILEARN

## GRADE 4 MATH PRACTICE TESTS

Standards-Aligned Review with  
Mixed Practice and Answer Key



**MASTER KEY MATH CONCEPTS**  
**BUILD CONFIDENCE FOR TEST DAY**

**INCLUDES COMPREHENSIVE ANSWER KEY**  
**ALIGNED STATE STANDARDS**

# 6 Indiana ILEARN Grade 4 Math Practice Tests

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



Six 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**



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# Welcome, Indiana Math Explorer!

Six steady rounds on the Hoosier State math route

This book gives you six 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?

Six tests, 180 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 4–6	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.



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1) A slanted parallelogram that is not a rectangle or a rhombus has how many lines of symmetry?

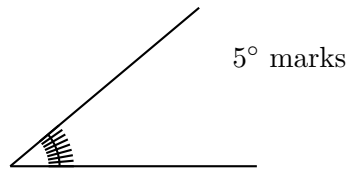
A. 0

C. 2

B. 1

D. 4

2)



This angle is marked from  $0^\circ$  to  $40^\circ$ . What is the measure?

A.  $40^\circ$

C.  $41^\circ$

B.  $39^\circ$

D. 8 one-degree angles

3) Which expression decomposes  $\frac{4}{4} = 1$  as a sum of **unit fractions** only?

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

C.  $\frac{1}{4} + \frac{3}{4}$

B.  $\frac{2}{4} + \frac{2}{4}$

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

4) A rhombus is different from a square because a rhombus:

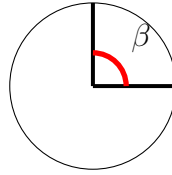
A. Does not have four equal sides

C. Has more than four sides

B. May not have four right angles

D. Has no parallel sides





5)

What is the measure of the angle shown?

 A.  $45^\circ$ 
 C.  $135^\circ$ 
 B.  $90^\circ$ 
 D.  $180^\circ$ 
6) What is  $5 \times \frac{1}{4}$ ?
 A.  $\frac{1}{20}$ 
 C.  $\frac{5}{4}$ 
 B.  $\frac{4}{5}$ 
 D.  $\frac{5}{8}$ 

Th	H	T	O
2	3	4	1

7)

This place-value chart shows the first number. If you add 1,234 to it, what is the sum?

 A. 3,575

 C. 3,565

 B. 3,465

 D. 3,475
8) A runner completes  $1\frac{3}{5}$  laps in the morning and  $2\frac{1}{5}$  laps in the afternoon. How many laps did she run in total?
 A.  $3\frac{4}{5}$ 
 C.  $3\frac{2}{5}$ 
 B.  $1\frac{2}{5}$ 
 D.  $4\frac{1}{5}$ 


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9) How many degrees larger is a straight angle than a right angle?

10) What is  $1\frac{5}{8} + 3\frac{3}{8}$ ?

A.  $4\frac{7}{8}$

B. 5

C.  $4\frac{9}{8}$

D.  $5\frac{1}{8}$

11) A rectangle has a width of 6 feet. The area is 54 square feet. What is the length?

A. 8 ft

B. 9 ft

C. 10 ft

D. 12 ft

12) A number line shows equal hops of  $\frac{1}{12}$ . How many hops reach  $\frac{8}{12}$ ?



A. 4 hops

B. 6 hops

C. 8 hops

D. 12 hops

13) A recipe needs 1 kilogram 200 grams of flour. Ollie measures out 800 grams. How many more grams does he need?

A. 200 g

B. 400 g

C. 1,000 g

D. 1,200 g



- 1) Noah measured an angle and found it has 75 one-degree angles. What is the measure of the angle?
- A.  $75^\circ$                        C.  $7.5^\circ$   
 B.  $150^\circ$                        D.  $750^\circ$
- 2) Three friends share a sub sandwich. Friend A eats  $\frac{4}{10}$ , Friend B eats  $\frac{3}{10}$ , and Friend C eats the rest. What fraction did Friend C eat?
- A.  $\frac{3}{10}$                        C.  $\frac{1}{10}$   
 B.  $\frac{7}{10}$                        D.  $\frac{2}{10}$
- 3) A single muffin uses  $\frac{1}{5}$  cup of sugar. How much sugar is needed for 8 muffins?
- A.  $\frac{1}{40}$  cup                       C.  $\frac{5}{8}$  cup  
 B.  $\frac{8}{5}$  cups                       D.  $\frac{8}{40}$  cup
- 4) Greyson collects 8 baseball cards. His friend collects 4 times as many. How many cards does his friend collect?
- A. 12                       C. 4  
 B. 2                       D. 32
- 5) Write the numeral for “three hundred nineteen thousand, five hundred two”.



6) A teacher has 10 identical items to share equally among her class. If each student gets  $\frac{1}{10}$  of all the items, how many students are in the class?

A. 1 student

C. 10 students

B. 5 students

D. 20 students

7) Estimate first, then find the exact answer:  $48,765 + 31,234 = ?$

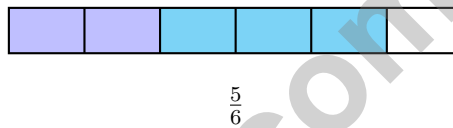
A. 79,999

C. 79,899

B. 80,000

D. 80,099

8) The fraction bar shows  $\frac{5}{6}$  divided into parts.



Which equation shows this decomposition?

A.  $\frac{2}{6} + \frac{3}{6}$

C.  $\frac{2}{6} + \frac{2}{6}$

B.  $\frac{1}{6} + \frac{4}{6}$

D.  $\frac{3}{6} + \frac{1}{6}$

9) Noah buys 8 boxes of cookies. Each box has 22 cookies. How many cookies does Noah buy?

A. 154

C. 160

B. 200

D. 176



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5) Which fraction equals  $\frac{3}{4}$ ?

- A.  $\frac{6}{8}$   
 B.  $\frac{6}{12}$

- C.  $\frac{3}{12}$   
 D.  $\frac{15}{8}$

6) 6 times

A box has 36 crayons. That is 6 times as many crayons as a smaller box has. How many crayons are in the smaller box?

- A. 42  
 B. 12

- C. 30  
 D. 6

7) Ms. Kumar has 1,638 pencils to share equally among 7 students. How many pencils does each student receive?

8) Which statement is true?

- A.  $0.7 > 0.70$   
 B.  $0.7 < 0.70$

- C.  $0.7 = 0.70$   
 D.  $0.7 < 0.07$

9) Which list shows consecutive multiples of 5 starting at 5?

- A. 5, 10, 15, 20, 25  
 B. 5, 15, 20, 35, 40

- C. 5, 10, 15, 20, 30  
 D. 10, 20, 30, 40, 50



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## 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.**

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## Practice Test Answers and Explanations

### Practice Test 1 Answers and Explanations

- Choice A is correct.** (4.G.2) A slanted parallelogram leans to one side and has different side lengths next to each other. No fold line can make matching halves. The answer is **0** lines of symmetry.
- Choice A is correct.** (4.G.2) The angle extends to the  $40^\circ$  mark, so it measures  **$40^\circ$** .
- Choice A is correct.** (4.CA.6) One whole ( $\frac{4}{4}$ ) as unit fractions means four pieces of  $\frac{1}{4}$ :  $\frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4} = \frac{4}{4} \checkmark$ .
- Choice B is correct.** (4.G.3) Both rhombuses and squares have four equal sides and two pairs of parallel sides. However, a rhombus does not require right angles, while a square must have them. This is the key difference. The answer is **B**.
- Choice B is correct.** (4.G.2) The diagram shows a right angle between horizontal and vertical rays. The measure is  **$90^\circ$** .
- Choice C is correct.** (4.NS.2) When we multiply by the numerator, we keep the denominator the same. So  $5 \times \frac{1}{4} = \frac{5}{4}$ .
- Choice A is correct.** (4.NS.7) The chart shows 2,341. Add: ones  $1 + 4 = 5$ , tens  $4 + 3 = 7$ , hundreds  $3 + 2 = 5$ , thousands  $2 + 1 = 3$ . The sum is **3,575**.
- Choice A is correct.** (4.CA.6) The runner completes laps over two time periods. Add the mixed numbers:  $1\frac{3}{5} + 2\frac{1}{5} = 3\frac{4}{5}$  laps total.
- The correct answer is 90.** (4.G.2) A straight angle is  $180^\circ$  and a right angle is  $90^\circ$ . Since  $180 - 90 = 90$ , the straight angle is  **$90^\circ$**  larger.
- Choice B is correct.** (4.CA.6) Add the wholes:  $1 + 3 = 4$ . Add the fractions:  $\frac{5}{8} + \frac{3}{8} = \frac{8}{8} = 1$ . Combine:  $4 + 1 = 5$ .
- Choice B is correct.** (4.M.4) From  $54 = \ell \times 6$ : Divide to get  $\ell = 54 \div 6 = 9$  ft.
- Choice C is correct.** (4.CA.6) We want to reach  $\frac{8}{12}$  by hopping  $\frac{1}{12}$  each time. So **8** hops get us there:  $\frac{8}{12} = \underbrace{\frac{1}{12} + \frac{1}{12} + \dots + \frac{1}{12}}_{8 \text{ hops}}$ .
- Choice B is correct.** (4.M.3) Convert the total needed:  $1 \text{ kg } 200 \text{ g} = 1,200 \text{ g}$ . Ollie has  $800 \text{ g}$ . Subtract:  $1,200 - 800 = 400 \text{ g}$ . He needs **400** grams more.
- Choice C is correct.** (4.NS.2) One whole is  $\frac{3}{3}$ , which equals  $3 \times \frac{1}{3}$ . So there are **3** thirds in one whole.
- The correct answer is  $2\frac{1}{4}$ .** (4.NS.2) Triple means multiply by 3. We take 3 copies of  $\frac{3}{4}$ :  $3 \times \frac{3}{4} = \frac{9}{4} = 2\frac{1}{4}$ . The answer is  **$2\frac{1}{4}$** .
- Choice D is correct.** (4.M.2) Since  $1 \text{ cup} = 16 \text{ tablespoons}$ , multiply:  $3 \times 16 = 48 \text{ tablespoons}$ . The answer is **48** tablespoons.
- Choice B is correct.** (4.G.2) A ray always starts at a definite point. This one starts at  $A$ , goes through  $B$ , and keeps going forever in that same direction.
- The correct answer is B, D.** (4.CA.1) B and D are correct: B's expanded form equals the number, and D correctly spells out the word form. A, C, and E have place-value or comparison errors  $\checkmark$
- Choice C is correct.** (4.NS.7) We're rounding to the nearest thousand, so check the hundreds digit of each. Option C (40,499): hundreds digit is  $4 < 5$ , rounds DOWN to **40,000**.  $\checkmark$  Option A (39,250): hundreds digit  $2 < 5$ , rounds DOWN to 39,000. Option B (40,750): hundreds digit  $7 \geq 5$ , rounds UP to 41,000. Option D (40,501): hundreds digit  $5 \geq 5$ , rounds UP to 41,000.
- Choice D is correct.** (4.CA.2) Divide:  $10 \div 7 = 1 \text{ r}3$ , bring down the 0 to get  $30 \div 7 = 4 \text{ r}2$ , bring down the 8 to get  $28 \div 7 = 4$ . The farmer fills **144** full baskets.
- Choice A is correct.** (4.NS.3) Bag 1 has  $\frac{4}{8}$  stickers. Simplify:  $\frac{4}{8} = \frac{4 \div 4}{8 \div 4} = \frac{1}{2}$ . Bag 2 has  $\frac{2}{4} = \frac{1}{2}$  also. Same amount!
- Choice A is correct.** (4.NS.3) Compare the tenths place first:  $0 < 2 < 7$ . For the two decimals with tenths = 7, compare hundredths:  $0 < 2$ , so  $0.70 < 0.72$ .
- Choice A is correct.** (4.CA.4) This angle measures about  $70^\circ$ . When we round to the nearest 10 degrees, it stays at  $70^\circ$  because  $70^\circ$  is right at the mark. The answer is **70** degrees.
- The correct answer is 2.** (4.CA.4) Find every pair that multiplies to 35:  $1 \times 35$  and  $5 \times 7$ . (No other small numbers divide 35 evenly.) So there are **2** factor pairs.



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Notes From the Math Gardener

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## Hi, Math Gardener!

◇ Look at how much you grew! 6 tests is like 6 weeks of taking care of your math garden. Every problem was a seed. Every try was water. ◇

★ **Gardeners say:** growth takes time. You can't see roots, but they are there. You can't always feel smarter, but you are. Your math garden is full! ★

### Garden Check-Up

- **Roots:** STRONG! Your basic math is solid.
- **Stems:** STURDY! You can do step-by-step problems.
- **Leaves:** GREEN! You have lots of math tools.
- **Flowers:** BRIGHT! You feel proud of your work.

**Gardener tip:** keep watering your math garden long after the test. Every habit you built will grow with you for years!

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 Gardener

# PRACTICE TODAY, SUCCEED TOMORROW!

This **Grade 4 Math Practice Tests** book is the perfect tool to help students strengthen their math skills, master important concepts, and build confidence for test success.

With 6 full-length practice tests, a variety of question types, and detailed answer explanations, students get the review and practice they need to improve accuracy, develop critical thinking, and achieve their best.

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

## PERFECT FOR:

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

★ **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.



### Master Key Concepts

Reinforce important skills aligned with grade-level standards.



### Prepare for Success

Build the confidence needed to do your best on test day.

## TOPICS COVERED

- ✔ Place Value & Number Sense
- ✔ Addition & Subtraction
- ✔ Multiplication & Division
- ✔ Fractions & Equivalent Fractions
- ✔ Decimals
- ✔ Geometry & Measurement
- ✔ Perimeter & Area
- ✔ Data, Graphs & Line Plots
- ✔ Patterns & Algebraic Thinking
- ✔ And More!



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