

7

Indiana

ILEARN

GRADE 4 MATH

PRACTICE TESTS

Standards-Aligned Review with
Mixed Practice and Answer Key



7 Full-Length
Practice Tests



Standards-
Aligned



Build Confidence
and Skills



Mixed Question
Types

**ANSWER
KEY**

INCLUDED

$$\begin{array}{r} 25 \\ +37 \\ \hline 62 \end{array}$$

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

7 Indiana ILEARN Grade 4 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Seven 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!

Seven steady rounds on the Hoosier State math route

This book gives you seven 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?

Seven tests, 210 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 5–7	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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& answers

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- 1) A rectangle has an area of 72 square inches. The length is 9 inches. What is the width?

- 2) Mia had a ribbon that was $\frac{7}{10}$ meter long. She cut off $\frac{3}{10}$ meter for a craft project. How much ribbon was left?

A. $\frac{4}{10}$
 B. $\frac{10}{10}$

C. $\frac{3}{10}$
 D. $\frac{10}{20}$

- 3) How many multiples of 10 are there from 1 to 50?

A. 3
 B. 4

C. 5
 D. 6

- 4) Look at the pattern: 4, 8, 12, 16, 20, ... What is the 12th term?

- 5) A rope measures 1,200 centimeters. How many meters is this?

A. 12
 B. 120

C. 1,200
 D. 120,000



6) Subtract: $88,765 - 44,321 = ?$

- A. 44,444 C. 44,234
 B. 45,444 D. 43,444

7) Use the place-value chart below to find the decimal for $\frac{6}{10}$.

Ones	Tenths	Hundredths

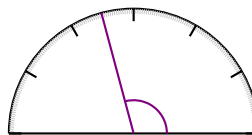
- A. 0.6 C. 6.0
 B. 0.06 D. 60.0

8) Eight parts of size $\frac{1}{10}$ make what fraction?

9) What is $1,428 \div 6$?

- A. 238 C. 248
 B. 242 D. 244

10)



What is the measure of this angle?

- A. 95 degrees C. 125 degrees
 B. 115 degrees D. 105 degrees



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11) Which shows a correct comparison?

A. $0.50 > 0.51$

C. $0.50 = 0.51$

B. $0.50 < 0.51$

 D. 0.51 is less than 0.50

12) Kai started with $5\frac{4}{6}$ meters of rope. He cut off a piece, leaving $2\frac{2}{6}$ meters. How much rope did he cut off?

A. $2\frac{2}{6}$ meters

C. $3\frac{2}{6}$ meters

B. $3\frac{1}{6}$ meters

D. $4\frac{1}{6}$ meters

13) A bookstore has 3,041 books on the shelves. How many complete hundreds of books are on the shelves?

A. 3

C. 4

B. 300

D. 30

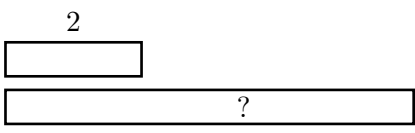
14) In the number 906,234, which digit is in the hundred-thousands place?

A. 2

C. 6

B. 0

D. 9

15) 

Elena has 2 books. Her friend has 3 times as many books. How many books does her friend have?

A. 5

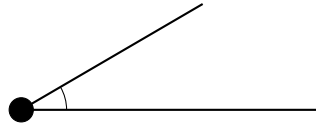
C. 8

B. 12

D. 6



6)



Which statement is true about this angle?

- A. It is larger than a right angle
- B. It is smaller than a right angle
- C. It is equal to a right angle
- D. It is a straight angle

7) Simplify $\frac{5}{10}$ by dividing both numerator and denominator by 5. What fraction do you get?

- A. $\frac{1}{2}$
- B. $\frac{1}{5}$
- C. $\frac{5}{5}$
- D. $\frac{0}{5}$

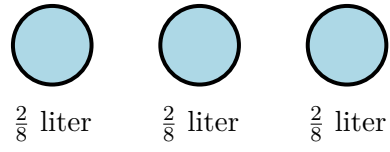
8)



Noah measures this angle. Is it acute, right, obtuse, or straight?

- A. Acute (less than 90 degrees)
- B. Right (exactly 90 degrees)
- C. Obtuse (between 90 and 180 degrees)
- D. Straight (exactly 180 degrees)

9)



Each container holds $\frac{2}{8}$ liter. How many liters are in 3 containers?

- A. $\frac{6}{8}$ liters (or $\frac{3}{4}$ liters)
- B. $\frac{2}{24}$ liter
- C. $\frac{3}{8}$ liter
- D. 3 liters



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- 1) A runner completes one lap in 3 minutes. How many minutes will it take to complete 9 laps at the same pace?
- A. 12 minutes C. 27 minutes
 B. 18 minutes D. 30 minutes
- 2) Ava had $\frac{7}{8}$ of a chocolate bar. She gave $\frac{2}{8}$ to her friend. How much does she have left?
- A. $\frac{5}{8}$ C. $\frac{5}{16}$
 B. $\frac{9}{8}$ D. $\frac{1}{8}$
- 3) A restaurant has 1,372 napkins. They pack them into bundles of 4 napkins each. How many complete bundles do they make?
- A. 343 C. 341
 B. 342 D. 340
- 4) A city library has 287,654 books. How is this number read?
- A. Two hundred eighty thousand, seven hundred fifty-four C. Twenty-eight thousand, seven hundred fifty-four
 B. Two hundred thousand, eighty-seven thousand, six hundred fifty-four D. Two hundred eighty-seven thousand, six hundred fifty-four
- 5) $\begin{array}{r} \boxed{9} \\ 2 \text{ times } \boxed{} \end{array}$

Naomi has 9 ribbons. Her grandmother has 2 times as many ribbons as Naomi. How many ribbons does her grandmother have?

- A. 11 C. 20
 B. 16 D. 18



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& answers

6) Which fraction is equivalent to $\frac{2}{3}$?

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

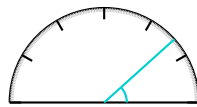
- C. $\frac{6}{8}$
 D. $\frac{4}{6}$

7) A pie is cut into slices. One slice represents an angle of 40° and another slice represents an angle of 60° . If these two slices are placed together, what angle do they form?

- A. 20°
 B. 60°

- C. 100°
 D. 200°

8)

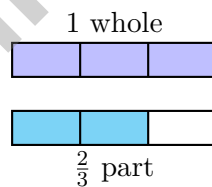


What is the measure of the angle shown?

- A. 42 degrees
 B. 48 degrees

- C. 40 degrees
 D. 45 degrees

9) Look at the two fraction bars:



This represents which mixed number?

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

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



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

- The correct answer is 8 in.** (4.M.4) From area formula: $72 = 9 \times w$. Divide: $w = 72 \div 9 = 8$ in.
- Choice A is correct.** (4.CA.6) The ribbon was cut, so we subtract the cut part from the total. $\frac{7}{10} - \frac{3}{10} = \frac{4}{10}$ meter of ribbon left.
- Choice C is correct.** (4.CA.4) Skip-count by 10 from 10 up to 50: 10, 20, 30, 40, 50. That's **5** multiples in the range. *Quick way:* $50 \div 10 = 5$.
- The correct answer is 48.** (4.CA.4) The n th multiple of 4 is just $4 \times n$. So the 12th term is $4 \times 12 = 48$. *Quick check by skip-counting:* 4, 8, 12, 16, 20, 24, 28, 32, 36, 40, 44, 48—the 12th number is indeed 48. ✓
- Choice A is correct.** (4.M.2) Since 1 meter = 100 centimeters, divide: $1,200 \div 100 = 12$ meters. The answer is **12** meters.
- Choice A is correct.** (4.NS.7) Subtract by place value: no regrouping needed. The answer is **44,444**.
- Choice A is correct.** (4.NS.3) The place-value chart shows where each digit belongs. $\frac{6}{10}$ means six tenths, so we place 6 in the tenths column: 0.6.
- The correct answer is $\frac{8}{10}$.** (4.NS.2) Eight parts of $\frac{1}{10}$: $8 \times \frac{1}{10} = \frac{8}{10}$.
- Choice A is correct.** (4.CA.2) Long division: $1 \div 6 = 0$ r1, bring down the 4 to get $14 \div 6 = 2$ r2, bring down the 2 to get $22 \div 6 = 3$ r4, bring down the 8 to get $48 \div 6 = 8$. The answer is **238**.
- Choice D is correct.** (4.CA.4) The ray points to the 105° mark. Since 105° is between the 90° and 120° benchmarks, this is an obtuse angle. The answer is **105** degrees.
- Choice B is correct.** (4.NS.3) The tenths place is the same (5 tenths). Compare the hundredths: $0 < 1$, so $0.50 < 0.51$.
- Choice C is correct.** (4.CA.6) Subtract the wholes: $5 - 2 = 3$. Subtract the fractions: $\frac{4}{6} - \frac{2}{6} = \frac{2}{6}$. He cut off **$3\frac{2}{6}$** meters.
- Choice D is correct.** (4.NS.7) “How many complete hundreds” is just asking how many *full groups* of 100 fit in 3,041. Skip-count by 100s: 100, 200, ..., 3,000—that's 30 groups. The extra 41 books left over isn't enough for another group of 100. So the bookstore has **30** complete hundreds. ✓
- Choice D is correct.** (4.CA.1) In a six-digit number, the leftmost digit is the hundred-thousands place. Here, that's 9 ✓
- Choice D is correct.** (4.CA.5) The bar model shows the friend's bar split into 3 equal pieces, each the size of Elena's 2 books. So we multiply: $3 \times 2 = 6$ books.
- Choice B is correct.** (4.G.2) When an angle measures 55° , it is made of **55** one-degree angles.
- The correct answer is A, B.** (4.CA.1) Check each option. A: $(20 \times 17) + (6 \times 17) = 340 + 102 = 442$ checkmark. B: $(26 \times 10) + (26 \times 7) = 260 + 182 = 442$ checkmark. C, D, E don't equal 442.
- Choice D is correct.** (4.G.2) Vertex is a part of an angle (where two rays meet), not a type of angle. The types are acute, right, obtuse, and straight.
- Choice C is correct.** (4.NS.3) A fraction is less than 1 when the numerator is less than the denominator. In $\frac{7}{10}$, $7 < 10$ ✓. The other three have numerators bigger than denominators.
- Choice D is correct.** (4.CA.5) To find “how many times,” divide the longer length by the shorter: $10 \div 2 = 5$. So the longer bar is **5** times as long as the shorter bar.
- Choice C is correct.** (4.CA.6) Check the others: $\frac{1}{4} + \frac{1}{4} = \frac{2}{4} = \frac{1}{2}$ (same as $\frac{2}{4}$), and $\frac{2}{8} + \frac{2}{8} = \frac{4}{8} = \frac{1}{2}$ (also the same). But $\frac{1}{3} + \frac{1}{3} = \frac{2}{3}$, which is NOT equal to $\frac{2}{4}$. So $\frac{1}{3} + \frac{1}{3}$ is the answer.
- Choice D is correct.** (4.NS.2) Marcus buys 4 containers, each with $\frac{2}{5}$ pound. Multiply: $4 \times \frac{2}{5} = \frac{4 \times 2}{5} = \frac{8}{5} = 1\frac{3}{5}$ pounds. The answer is **$1\frac{3}{5}$** pounds.
- Choice A is correct.** (4.NS.3) Three dimes = $\frac{3}{10}$ dollar, and thirty pennies = $\frac{30}{100}$ dollar. They're equal!
- Choice C is correct.** (4.CA.2) Follow the flow chart! Step 1: $72 \div 8 = 9$ apples in each basket. Step 2: add 4 more to each basket: $9 + 4 = 13$ apples per basket now.
- Choice A is correct.** (4.NS.3) Multiply both the numerator and denominator by 50: $\frac{1}{2} = \frac{1 \times 50}{2 \times 50} = \frac{50}{100}$.
- Choice B is correct.** (4.NS.2) Four shelves, each $\frac{3}{10}$ meter wide, give us $4 \times \frac{3}{10} = \frac{12}{10}$ meters total width.



Hi, Strong Climber!

◇ You climbed all 7 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

7 FULL-LENGTH TESTS TO MASTER GRADE 4 MATH!

This **Grade 4 Math Practice Tests** book provides the practice your child needs to build strong math skills, understand key concepts, and gain the confidence to succeed on every test.

With 7 full-length practice tests, a wide range of question types, and detailed answer explanations, students will improve accuracy, strengthen problem-solving abilities, and prepare for classroom success and beyond.



PERFECT FOR:

- ✓ Classroom Practice
- ✓ Homework & Review
- ✓ Independent Learning
- ✓ Test Preparation
- ✓ Confidence Building
- ✓ 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.

$$\begin{array}{r} 45 \\ -17 \\ \hline 28 \end{array}$$



$$7 \times 8 = 56$$

TOPICS COVERED

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



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Build Confidence and Skills



Mixed Question Types



Answer Key Included