

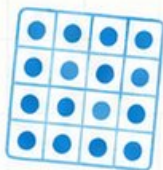
$$\begin{array}{r} 32 \\ \times 6 \\ \hline 192 \end{array}$$

10

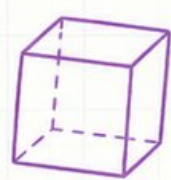
$$7 \times 8 = 56$$



$$\frac{3}{4}$$



Indiana I LEARN GRADE 4 MATH



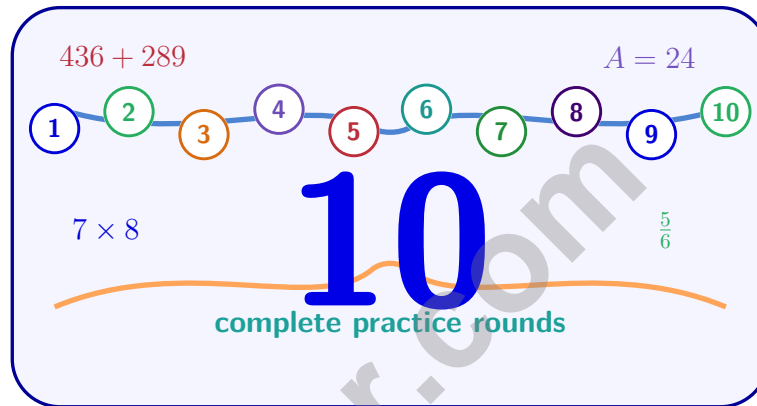
PRACTICE TESTS

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



10 Indiana ILEARN Grade 4 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Ten 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!

Ten steady rounds on the Hoosier State math route

This book gives you ten 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?

Ten tests, 300 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 7–9	Stamina rounds for mixed review, neat work, and flexible strategies.
Test 10	Final round to show growth across the whole Indiana book.
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) Which fraction is NOT equal to $\frac{10}{100}$?

- A. $\frac{1}{10}$
 B. $\frac{10}{10}$

- C. $\frac{20}{200}$
 D. $\frac{5}{50}$

2) What is $6\frac{4}{8} - 3\frac{2}{8}$?

- A. $3\frac{2}{8}$
 B. $3\frac{3}{8}$

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

3) Hassan ate $\frac{2}{6}$ of a pizza and Iris ate $\frac{1}{3}$ of an identical pizza. Who ate more, or did they eat the same amount?

4) During lunch, the cafeteria used 6 gallons of milk on Monday and 8 gallons on Tuesday. How many gallons did they use in total?

- A. 2 gallons
 B. 8 gallons

- C. 14 gallons
 D. 48 gallons

5) What is $7 \times \frac{1}{5}$ as a mixed number?

- A. $\frac{1}{35}$
 B. $\frac{7}{1}$

- C. $2\frac{2}{5}$
 D. $\frac{7}{5}$ or $1\frac{2}{5}$



6) A pattern rule is “multiply by 3 then subtract 2.” If the input is 5, what is the output?

A. 10

B. 17

C. 15

D. 13

7) What is 3×807 ?

A. 2321

B. 2121

C. 2521

D. 2421

8) Noah’s school library has 15,678 books. The library receives 5,432 new books. How many books does the library have now?

A. 21,110

B. 21,010

C. 20,110

D. 21,210

9) Write 52,047 in expanded form.

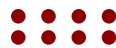
A. $50,000 + 2,000 + 400 + 7$

B. $50,000 + 2,000 + 4 + 7$

C. $50,000 + 20,000 + 40 + 7$

D. $50,000 + 2,000 + 40 + 7$

Alex



Claire

10)

Alex has 4 marbles. Claire has 2 times as many marbles as Alex. How many marbles does Claire have?

A. 6

B. 12

C. 10

D. 8



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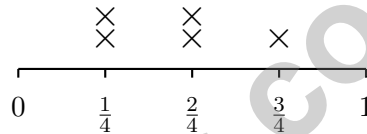
11) Using place value, what digit in 16,372 must you look at to round to the nearest thousand?

- A. The ones place (2)
- B. The tens place (7)
- C. The hundreds place (3)
- D. The thousands place (6)

12) A rectangular table is 5 feet long and 3 feet wide. What is the perimeter of the table?

- A. 8 ft
- B. 15 ft
- C. 16 ft
- D. 30 ft

13) Look at the line plot of seed lengths (in inches). How many X marks are above $\frac{2}{4}$ inch?

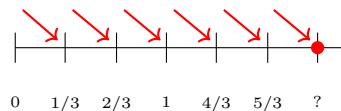


- A. 1
- B. 2
- C. 3
- D. 5

14) Clock hands point at 3 and at 9. What is the angle between them?

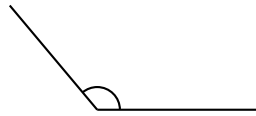
- A. 60°
- B. 90°
- C. 120°
- D. 180°

15) A number line shows jumps of $\frac{1}{3}$ starting at 0. If you make 6 jumps, where do you land?



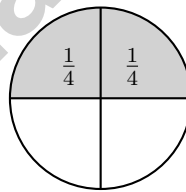
- A. $\frac{1}{3}$
- B. 1
- C. 2
- D. 3

- 1) Use a protractor to measure the angle below. Write the degree measure.



- 2) In the number 7,707, the digit 7 in the hundreds place has a value that is how many times the digit 7 in the ones place?

- A. 10 C. 1,000
 B. 1 D. 100



$\frac{1}{2}$ painted

3)

A circular garden section is $\frac{1}{2}$ painted yellow. How much of the garden is not painted?

- A. $\frac{1}{2}$ C. $\frac{3}{4}$
 B. $\frac{1}{4}$ D. $\frac{3}{8}$



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4) Which number is less than 54,200?

- A. 54,300 C. 55,200
 B. 54,200 D. 54,100

5) What is $3,645 \div 5$?

- A. 739 C. 719
 B. 749 D. 729

6) Which best represents $\frac{10}{6}$ as a mixed number?

- A. $1\frac{2}{6}$ C. $2\frac{2}{6}$
 B. $1\frac{4}{6}$ D. $\frac{10}{6}$ cannot be a mixed number

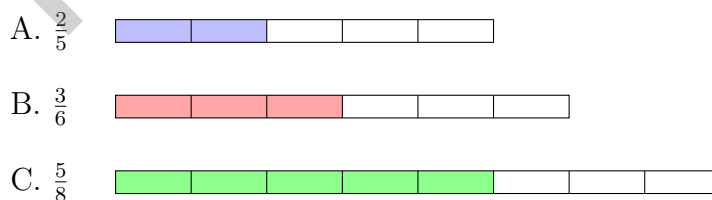
7) A pattern shows figures made of small squares arranged in columns:



How many unit squares are in Figure 6?

- A. 18 C. 24
 B. 28 D. 21

8) Which fraction bar represents a fraction greater than $\frac{1}{2}$?



- A. $\frac{2}{5}$ C. $\frac{5}{8}$
 B. $\frac{3}{6}$ D. None are greater

1) Two angles are adjacent and form a larger angle. One angle is 56° and the other is 34° . What is the sum?

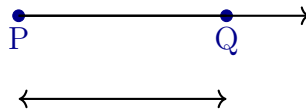
A. 90°

C. 100°

B. 22°

D. 56°

2) Point P is an endpoint. Point P must be part of:



A. A line

C. A ray or a line segment

B. Only a ray

D. A point only

3) A triangle has angles 50° and 60° . What is the third angle?

4) Which pair of measurements is equivalent?

A. 2 km and 200 m

C. 5 cm and 50 mm

B. 4 m and 4,000 cm

D. 6 m and 600 mm

5) What is $2,520 \div 7$?

A. 360

C. 350

B. 370

D. 340



6) A line plot shows leaf lengths in halves of an inch: $\frac{1}{2}$, $\frac{1}{2}$, 1, $\frac{1}{2}$, 1, 1. How many leaves measured 1 inch?

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

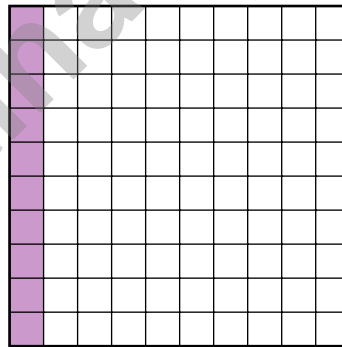
7) What is the standard form of $400,000 + 80,000 + 3,000 + 200 + 0 + 1$?

- A. 483,021
- B. 483,210
- C. 408,301
- D. 483,201

8) When placing a protractor on an angle, the vertex should be at:

- A. The 0-degree mark
- B. The center point of the protractor
- C. The top of the protractor
- D. Either the 0-mark or the center; they are the same

9) Ming shaded $\frac{1}{10}$ of a rectangle. How many hundredths is this?



1 column shaded out of 10 columns

- A. 1 hundredth
- B. 10 hundredths
- C. 100 hundredths
- D. 11 hundredths



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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 B is correct.** (4.NS.3) The fraction $\frac{10}{10}$ equals 1 (a whole), but $\frac{10}{100} = \frac{1}{10} = 0.1$. These are very different!
- Choice A is correct.** (4.CA.6) Subtract the wholes: $6 - 3 = 3$. Subtract the fractions: $\frac{4}{8} - \frac{2}{8} = \frac{2}{8}$. The difference is $3\frac{2}{8}$.
- The correct answer is same amount.** (4.NS.3) Check if they're equivalent: $\frac{2}{6}$ simplifies by dividing both by 2 to get $\frac{1}{3}$. Same fraction, so they ate the same!
- Choice C is correct.** (4.M.3) The cafeteria used 6 gallons on Monday and 8 gallons on Tuesday. Add them: $6 + 8 = 14$ gallons. They used **14** gallons in total.
- Choice D is correct.** (4.NS.2) We take 7 copies of $\frac{1}{5}$. Multiply: $7 \times \frac{1}{5} = \frac{7 \times 1}{5} = \frac{7}{5} = 1\frac{2}{5}$. The answer is **1 $\frac{2}{5}$** .
- Choice D is correct.** (4.CA.4) Apply "multiply by 3 then subtract 2" to input 5: Step 1: $5 \times 3 = 15$. Step 2: $15 - 2 = 13$.
- Choice D is correct.** (4.CA.1) Decompose: $3 \times (800 + 7) = 2400 + 21 = \mathbf{2421}$.
- Choice A is correct.** (4.NS.7) The library receives more books, so we add. $15,678 + 5,432 = \mathbf{21,110}$ books total.
- Choice D is correct.** (4.CA.1) Ten-thousands: $5 \rightarrow 50,000$; thousands: $2 \rightarrow 2,000$; tens: $4 \rightarrow 40$; ones: $7 \rightarrow 7$ ✓
- Choice D is correct.** (4.CA.5) Claire's group has 2 rows of 4 marbles—that's "2 times as many." Multiply: $2 \times 4 = 8$ marbles.
- Choice C is correct.** (4.NS.7) To round to the nearest thousand, always look at the digit one place to the right—that's the hundreds digit. The answer is C: "The hundreds place (3)" ✓
- Choice C is correct.** (4.M.4) The table's perimeter is $P = 2(5) + 2(3) = 10 + 6 = 16$ ft.
- Choice B is correct.** (4.DA.2) On the line plot, count the X marks stacked above $\frac{2}{4}$ inch. There are exactly **2** X marks at that position.
- Choice D is correct.** (4.G.2) On a clock, 3 and 9 are opposite each other, forming a straight line. The angle between them is **180°**.
- Choice C is correct.** (4.NS.2) Each jump is $\frac{1}{3}$. Making 6 jumps is the same as $6 \times \frac{1}{3} = \frac{6}{3}$. Since 3 thirds make one whole, $\frac{6}{3}$ equals **2** wholes.
- Choice C is correct.** (4.M.2) Since 1 kilogram = 1,000 grams, multiply: $2 \times 1,000 = 2,000$ g. The answer is **2,000** g.
- Choice D is correct.** (4.G.2) Parallel lines never meet, but non-parallel lines angle toward each other and will eventually crash together. Diagram D shows two lines leaning toward each other, so they'll meet someday.
- The correct answer is D, E.** (4.NS.2) Check each option: A gives $\frac{3}{4}$, B gives $\frac{2}{3}$, C gives $\frac{2}{3}$. Only D ($5 \times \frac{1}{5} = 1$) and E ($2 \times \frac{1}{2} = 1$) equal 1 whole.
- Choice B is correct.** (4.CA.6) Ava read $\frac{7}{10}$ total. Monday was $\frac{3}{10}$, so Tuesday must be: $\frac{7}{10} - \frac{3}{10} = \frac{4}{10}$ ✓.
- The correct answer is $\frac{3}{4}$.** (4.NS.2) Three fourths: $3 \times \frac{1}{4} = \frac{3}{4}$.
- Choice C is correct.** (4.NS.7) In 6,217, counting from the right: ones is 7, tens is 1, hundreds is 2, thousands is 6. The tens place contains **1**. ✓
- Choice A is correct.** (4.CA.5) The crease splits the angle into two parts. Subtract to find the other: $134^\circ - 67^\circ = \mathbf{67^\circ}$.
- Choice A is correct.** (4.CA.6) The bar shows 4 equal parts. One part shaded for $\frac{1}{4}$, then 2 more shaded for $\frac{2}{4}$. That makes 3 shaded parts: $\frac{3}{4}$.
- The correct answer is 0.8.** (4.NS.3) The first place after the decimal point is the tenths place. The digit 8 sits in the tenths place, which means 8 groups of 0.1. So its value is $8 \times 0.1 = \mathbf{0.8}$ (eight tenths). ✓
- Choice C is correct.** (4.G.3) A rhombus has four equal sides and two pairs of parallel sides, but does not require right angles. The figure shows equal sides marked on all four sides with no right angles, which defines a rhombus. The answer is C.
- Choice D is correct.** (4.CA.2) Two steps! Step 1: add the new cars: $45 + 15 = 60$ cars. Step 2: take away the ones sold: $60 - 20 = 40$ cars left.



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A Note From Your Math Friend

Hi, Math Star!

◇ Wow! You finished 10 full practice tests. That is a LOT of math problems. You worked hard, and your brain got stronger every time. ◇

★ **Here is a big idea:** mistakes are okay! Every time you got something wrong, you got smarter. Through 10 tests, you learned that trying is the most important thing. ★

Look What You Did!

- **Hard Worker:** You did not give up!
- **Smart Thinker:** You used your math tools.
- **Brave Learner:** You tried hard problems.
- **Test Ready:** You feel proud and prepared.

Big tip for test day: take your time. Read each problem twice. Show your work. Check your answer. You can do this!

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

Jay Daie

Your Math Friend

PRACTICE TODAY. ACHIEVE TOMORROW!

This **Grade 4 Math Practice Tests** book is designed to help students build strong math skills, boost confidence, and succeed in the classroom and beyond. With 10 full-length practice tests that reflect real test formats, students get the targeted practice they need to master key concepts, improve problem-solving abilities, and achieve their goals.

PERFECT FOR:

- ✓ Classroom Practice
- ✓ Homework & Review
- ✓ Test Preparation

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Reinforce key Grade 4 math skills and build a solid foundation.



Better Problem Solving

Develop critical thinking and solve problems with confidence.



Test Confidence

Familiarize with test formats and reduce exam stress.



Track Progress

Measure improvement and focus on areas that matter.



Achieve Success

Build the skills and confidence to reach higher goals.

TOPICS COVERED:

- ✓ Whole Numbers & Operations
- ✓ Fractions & Decimals
- ✓ Algebraic Thinking
- ✓ Geometry
- ✓ Measurement & Data
- ✓ Graphing & Data Analysis
- ✓ Number Patterns
- ✓ Word Problems
- ✓ Ratio & Proportion
- ✓ Perimeter, Area & Volume
- ✓ And More!



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