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Indiana ILEARN

Standards-Aligned Review with
Mixed Practice and Answer Key



5 Indiana ILEARN Grade 4 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Five 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.

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Welcome, Indiana Math Explorer!

Five steady rounds on the Hoosier State math route

This book gives you five 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?

Five tests, 150 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 3–5	Skill-building rounds with fractions, measurement, area, data, and two-step problems.
Tests 3–5	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.



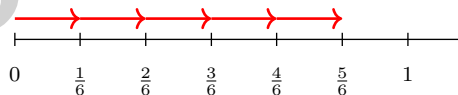
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- 1) Lena has two ribbons. One is $3\frac{1}{3}$ meters long and the other is $1\frac{2}{3}$ meters long. If she ties them together, how long is the combined ribbon?
- A. $4\frac{1}{3}$ meters C. 5 meters
 B. $4\frac{2}{3}$ meters D. $5\frac{1}{3}$ meters
- 2) Kai is at a lemonade stand. Pitcher A holds 0.75 liters. Pitcher B holds 0.57 liters. Which pitcher holds more lemonade?
- A. Pitcher A (0.75 L) C. Both hold the same amount
 B. Pitcher B (0.57 L) D. Pitcher B holds twice as much
- 3) An angle of 156° is split into two smaller angles. If one angle is 89° , what is the measure of the other angle?

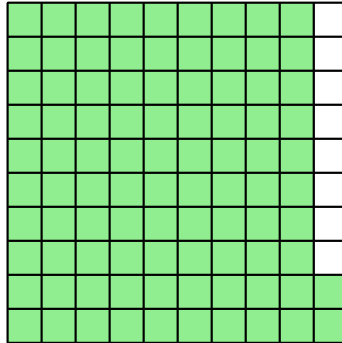
- 4) A number line shows unit-fraction jumps of $\frac{1}{6}$ starting at 0. After 5 jumps, you are at position:



- A. $\frac{3}{6}$ C. $\frac{5}{6}$
 B. $\frac{4}{6}$ D. $\frac{6}{6}$



5) How many hundredths are shaded in this grid?

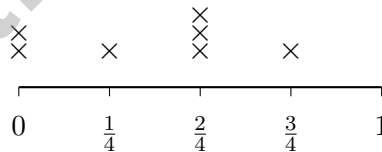


- A. 8 hundredths or 0.08 C. 92 hundredths or 0.92
 B. 80 hundredths or 0.80 D. 20 hundredths or 0.20

6) Ava splits a granola bar into 6 equal pieces. She gives away 4 pieces. Write the fraction given away as a sum of unit fractions.

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

7) Look at the line plot showing pencil lengths (in inches):



How many pencils measured $\frac{2}{4}$ inch?

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



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8) A rectangle that is **not** a square has how many lines of symmetry?

A. 1

C. 3

B. 2

D. 4

9) What is the rule for this pattern? 7, 14, 21, 28, 35, ...

A. Multiply by 7

C. Add 8

B. Multiply by 2

D. Add 7

10) Which angle measure is an acute angle?

A. 95 degrees

C. 135 degrees

B. 15 degrees

D. 180 degrees

11) A ribbon is $4\frac{3}{6}$ feet long. If $2\frac{2}{6}$ feet are cut off, how long is the remaining ribbon?

12) Find $\frac{3}{4} + \frac{2}{4}$ as a mixed number.



1) Three students timed their sprints. Riley: 0.47 seconds. Jordan: 0.74 seconds. Casey: 0.44 seconds. Who was fastest (smallest time)?

- A. Riley (0.47 s) C. Casey (0.44 s)
 B. Jordan (0.74 s) D. Riley and Jordan tied

2) Alex has 7 pencils. Jordan has 3 times as many pencils. How many pencils does Jordan have?

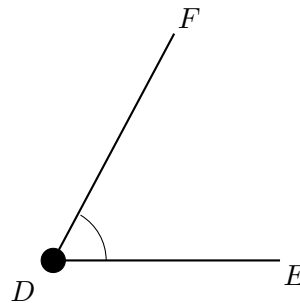
- A. 10 C. 7
 B. 4 D. 21

3) Use these two place-value charts to compare:

	100,000s	10,000s	1,000s	100s	10s	1s
Chart 1	1	2	8	3	7	2
Chart 2	1	2	8	4	2	3

Which is true?

- A. $128,372 > 128,423$ C. $128,372 = 128,423$
 B. Cannot determine D. $128,372 < 128,423$



4)

Which name correctly identifies the angle with vertex at D ?

- A. $\angle DEF$ C. $\angle EFD$
 B. $\angle FED$ D. $\angle EDF$



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- 1) Mia watches the hour hand on a clock move from 2 to 5. How many degrees does it move?

- 2) Which multiplication sentence matches $\frac{4}{10}$?

A. $10 \times \frac{1}{4}$

B. $4 \times \frac{1}{10}$

C. $6 \times \frac{1}{10}$

D. $\frac{1}{4} \times 10$

- 3) A pattern starts at 3 and follows the rule “add 4.” What is the 5th term in the pattern?

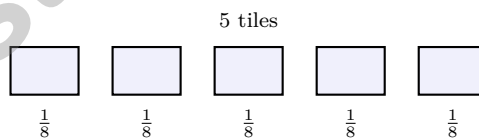
A. 15

B. 16

C. 19

D. 23

- 4) A model shows 5 unit-fraction tiles. Each tile is $\frac{1}{8}$. What is the total?



A. $\frac{1}{8}$

B. $\frac{3}{8}$

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

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



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5) Which two fractions are both equivalent to $\frac{1}{5}$?

- A. $\frac{2}{10}$ and $\frac{20}{100}$
 B. $\frac{3}{10}$ and $\frac{30}{100}$

- C. $\frac{2}{10}$ and $\frac{30}{100}$
 D. $\frac{1}{10}$ and $\frac{10}{100}$

6) What is $5 \times \frac{2}{10}$?

- A. $\frac{7}{10}$
 B. $\frac{5}{10}$

- C. $\frac{10}{10}$ or 1
 D. $\frac{2}{50}$

7) Order these fractions from least to greatest: $\frac{1}{4}, \frac{1}{2}, \frac{1}{3}$.

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

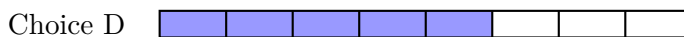
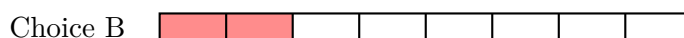
- C. $\frac{1}{3}, \frac{1}{4}, \frac{1}{2}$
 D. $\frac{1}{4}, \frac{1}{3}, \frac{1}{2}$

8) In this diagram, the two marked lines are parallel. Which statement is correct?



- A. The distance between the lines always remains the same
 B. The lines get closer at the top
 C. The lines will meet on the right
 D. The distance between them increases

9) Which fraction bar correctly shows $\frac{3}{8}$?



- A. 3 shaded of 8
 B. 2 shaded of 8
 C. 3 shaded of 6
 D. 5 shaded of 8

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 C is correct.** (4.CA.6) Add the wholes: $3 + 1 = 4$. Add the fractions: $\frac{1}{3} + \frac{2}{3} = \frac{3}{3} = 1$. Combine: $4 + 1 = 5$ meters.
- Choice A is correct.** (4.NS.3) Compare the tenths place: $7 > 5$, so $0.75 > 0.57$. Pitcher A holds more lemonade.
- The correct answer is 67.** (4.CA.5) The angle is split into two parts. Subtract to find the missing angle: $156^\circ - 89^\circ = 67^\circ$.
- Choice C is correct.** (4.NS.2) Starting at 0, each jump is $\frac{1}{6}$. After 5 jumps, we've moved $5 \times \frac{1}{6} = \frac{5}{6}$ of the way.
- Choice C is correct.** (4.NS.3) The grid shows 92 shaded squares out of 100 total. That's $\frac{92}{100} = 0.92$.
- Choice C is correct.** (4.CA.6) Ava gave away 4 pieces out of 6 equal pieces, which is $\frac{4}{6}$. As a sum of unit fractions: $\frac{4}{6} = \frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6}$.

$\underbrace{\hspace{10em}}_{4 \text{ copies}}$
- Choice C is correct.** (4.DA.2) Look at the line plot where $\frac{2}{4}$ inch is marked. Count the X marks stacked above that tick: we see **3** marks.
- Choice B is correct.** (4.G.2) A non-square rectangle is longer in one direction, so it balances in two ways: a vertical fold through the middle and a horizontal fold through the middle. The answer is **2** lines of symmetry.
- Choice D is correct.** (4.CA.4) The word “add 7” tells us the rule. Check: $14 - 7 = 7$, $21 - 14 = 7$. Each increases by 7 (multiples of 7). ✓
- Choice B is correct.** (4.CA.4) An acute angle opens less wide than a right angle—it measures less than 90° . At 15° , this is a very small acute angle. The other choices are all 90° or bigger, so they cannot be acute. The answer is **15** degrees.
- The correct answer is $2\frac{1}{6}$.** (4.CA.6) The ribbon is cut, so subtract the cut part from the original length: $4\frac{3}{6} - 2\frac{2}{6} = 2\frac{1}{6}$ feet of ribbon remain.
- The correct answer is $1\frac{1}{4}$.** (4.CA.6) Add fourths: $3 + 2 = 5$ fourths. That's $\frac{5}{4}$, which is more than one whole, so it equals $1\frac{1}{4}$.
- Choice A is correct.** (4.CA.2) Divide: $2 \div 5 = 0$ r2, bring down the 8 to get $28 \div 5 = 5$ r3, bring down the 0 to get $30 \div 5 = 6$, bring down the 5 to get $5 \div 5 = 1$. The quotient is **561**.
- Choice C is correct.** (4.CA.4) Even numbers (divisible by 2) end in 0, 2, 4, 6, or 8. 49 ends in 9—odd—so it's *not* divisible by 2. The others (24, 36, 50) all end in even digits.
- Choice D is correct.** (4.NS.7) We're rounding to the nearest ten. Look at the ones digit: 5. Since $5 \geq 5$, we round UP! The tens digit goes from 3 to 4, giving us **2,740**. ✓
- Choice B is correct.** (4.NS.2) Three marbles, each weighing $\frac{2}{6}$ ounce, give us $3 \times \frac{2}{6} = \frac{6}{6} = 1$ ounce.
- The correct answer is B, D.** (4.G.2) Choice B: A half turn is $\frac{1}{2} \times 360^\circ = 180^\circ$ ✓. Choice D: The minute hand from 12 to 6 is a half turn, also 180° ✓. Choice A: $\frac{1}{4} \times 360^\circ = 90^\circ$. Choice C: $\frac{2}{3} \times 360^\circ = 240^\circ$. Choice E: 12 to 3 is one-quarter, or 90° .
- Choice A is correct.** (4.M.3) School starts at 8:45 a.m. and runs for 6 hours. Add 6 hours to 8:45 a.m. to get 2:45 p.m. School ends at **2:45** p.m.
- Choice B is correct.** (4.NS.3) On the number line, $\frac{1}{2}$ is clearly marked between $\frac{1}{4}$ and $\frac{3}{4}$.
- Choice A is correct.** (4.CA.6) The frog makes three equal-sized jumps to $\frac{9}{10}$. Each jump: $\frac{3}{10}$, because $3 + 3 + 3 = 9$ ✓.
- Choice B is correct.** (4.NS.2) Tick marks are every $\frac{1}{6}$. The 10th tick is at $10 \times \frac{1}{6} = \frac{10}{6}$.
- Choice D is correct.** (4.CA.1) Split both: $17 = 10 + 7$ and $19 = 10 + 9$. The four partial products are: $10 \times 10 = 100$, $10 \times 9 = 90$, $7 \times 10 = 70$, $7 \times 9 = 63$.
- Choice D is correct.** (4.CA.1) Breaking it: 73 thousands (“seventy-three thousand”) and 546 ones (“five hundred forty-six”) ✓
- Choice D is correct.** (4.NS.3) Check D: Cross-multiply $\frac{2}{5}$ and $\frac{4}{12}$: $2 \times 12 = 24$ and $5 \times 4 = 20$. They're not equal, so D is false. A, B, and C are all true equivalent fractions.



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Hi, Math Champion!

◇ Look what you did! 5 full practice tests. That's hundreds of math problems. You started as a learner. You are now a math athlete. ◇

★ **Champions know:** hard work pays off. You did the hard work. Your math skills are strong because you practiced. ★

Champion's Stats

- **Focus:** HIGH! You stay on task.
- **Speed:** STRONG! You move at the right pace.
- **Accuracy:** SHARP! You catch your own mistakes.
- **Mindset:** CHAMPION! You believe in yourself.

Champion tip: on test day, walk in proud. You trained for this. You are ready!

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

Jay Daie

Your Math Coach

5 PRACTICE TESTS. BUILD SKILLS. BOOST CONFIDENCE!

This **Grade 4 Math Practice Tests** book is designed to help students master essential math concepts, improve problem-solving skills, and build the confidence they need to excel.

With 5 full-length practice tests, a variety of question types, and detailed answer explanations, students get the practice they need to understand math, strengthen critical thinking, and perform their best on test day and beyond.

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

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- ✓ Addition & Subtraction
- ✓ Multiplication & Division
- ✓ Fractions & Equivalent Fractions
- ✓ Decimals
- ✓ Geometry & Measurement
- ✓ Perimeter & Area
- ✓ Data, Graphs & Line Plots
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Mixed Question Types



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A+