

6 Louisiana LEAP

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 Louisiana LEAP Grade 4 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Six complete 30-question Grade 4 practice rounds for LEAP, built around river parishes, music rhythms, and lively math patterns, with answer keys and clear explanations for every item.

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Welcome, Louisiana Math Explorer!

Six steady rounds on the Pelican State math route

This book gives you six full Grade 4 practice tests for LEAP. Each round uses river parishes, music rhythms, and lively math patterns to keep practice memorable while you read carefully, choose a strategy, show work, and check the answer.

Louisiana 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 Louisiana LEAP 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 Pelican 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 LEAP 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.



Scan me!
For more practice
& answers

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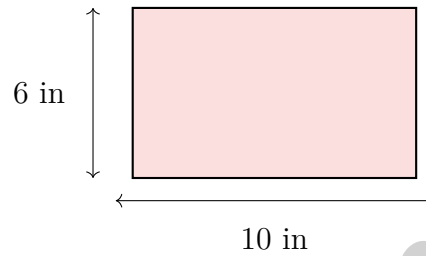
1) What is $\frac{3}{10}$ as a decimal?

A. 0.03

C. 3.0

B. 0.3

D. 0.13



2)

What is the perimeter of the rectangle shown above?

A. 16 in

C. 60 in

B. 32 in

D. 48 in

3) Which place does a digit occupy if its value is 30?

A. Ones

C. Hundreds

B. Thousands

D. Tens

4) Add: $6,234 + 3,456 = ?$



- 5) Mia bought 2,310 beads to share equally among herself and 4 friends (5 people total). How many beads does each person get?
- A. 462 C. 450
 B. 448 D. 458
- 6) A factory produces 46 widgets per hour. If the factory runs for 12 hours, how many widgets are produced?
- A. 552 widgets C. 485 widgets
 B. 598 widgets D. 621 widgets
- 7) A classroom has 10 desks. The hallway has 3 times as many desks. How many desks are in the hallway?
- A. 13 C. 40
 B. 20 D. 30
- 8) Look at the bar model below. How many times as many is the longer bar compared to the shorter bar?



- A. 3 times C. 10 times
 B. 2 times D. 5 times



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9) $\frac{5}{8}$ can be written as $\frac{2}{8} + \frac{2}{8} + \frac{1}{8}$. Which other decomposition is correct?

A. $\frac{1}{8} + \frac{1}{8} + \frac{3}{8}$

C. $\frac{1}{8} + \frac{2}{8} + \frac{1}{8}$

B. $\frac{2}{8} + \frac{3}{8} + \frac{1}{8}$

D. $\frac{3}{8} + \frac{3}{8} + \frac{1}{8}$

10) All of the following figures have at least one line of symmetry **except** which one?

A. An equilateral triangle

C. A slanted parallelogram with unequal adjacent sides

B. A rectangle

D. An isosceles triangle

11) Point T is between points R and S . If $RT = 5$ and $TS = 7$, what is RS ?



12) Ming had $5\frac{3}{4}$ cups of milk. She used $1\frac{1}{4}$ cups for cereal. How much milk is left?

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

C. $4\frac{3}{4}$ cups

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

D. $5\frac{1}{4}$ cups

13) How many degrees is a half turn around a circle?

A. 90°

C. 270°

B. 180°

D. 360°

14) *Select the TWO correct answers.*

Which of the following multiplication problems each equal 1 whole?

A. $3 \times \frac{1}{4} = \frac{3}{4}$

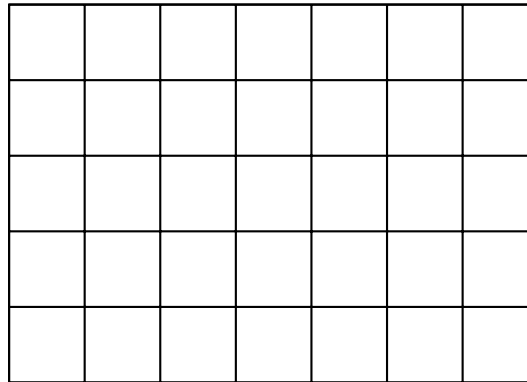
B. $2 \times \frac{1}{3} = \frac{2}{3}$

C. $4 \times \frac{1}{6} = \frac{4}{6}$ (or $\frac{2}{3}$)

D. $5 \times \frac{1}{5} = 1$ whole

E. $2 \times \frac{1}{2} = 1$ whole





1)

The grid shows a rectangle where each small square is 1 square unit. What is the perimeter of the rectangle?

- A. 35 units C. 24 units
 B. 48 units D. 12 units

2) What is $\frac{5}{10} + \frac{25}{100}$?

- A. $\frac{30}{100}$ C. $\frac{5}{25}$
 B. $\frac{75}{100}$ D. $\frac{30}{110}$

3) Here is a line plot showing sticker lengths (in inches):



What is the difference in inches between the longest and shortest stickers?

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



Scan me!
For more practice
& answers

4) Which shows correct estimation for 47×19 using rounding?

A. $50 \times 20 = 1000$

C. $50 \times 10 = 500$

B. $40 \times 20 = 800$

D. $40 \times 10 = 400$

5) Diego and his friend made a pie. Diego ate $\frac{2}{6}$ of the pie and his friend ate $\frac{1}{6}$ of the pie. What fraction of the pie did they eat together?

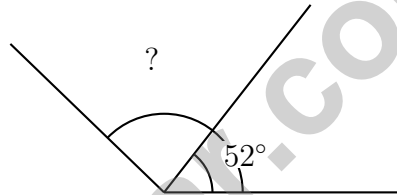
A. $\frac{3}{6}$

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

B. $\frac{2}{12}$

D. $\frac{3}{12}$

6) A ray divides a 136° angle into two parts. The smaller part measures 52° . What is the measure of the larger part?



A. 84°

C. 188°

B. 52°

D. 68°

7) If an angle measures 35° , how many one-degree angles does it turn through?

 A. 3.5 one-degree angles C. 70 one-degree angles B. 35 one-degree angles D. 350 one-degree angles

8) How many lines of symmetry does a regular pentagon (5-sided polygon) have?

A. 3

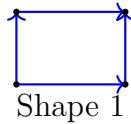
C. 5

B. 4

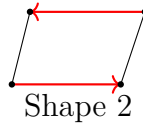
D. 10



1) Look at the two shapes shown. Which one is a trapezoid?



Shape 1



Shape 2

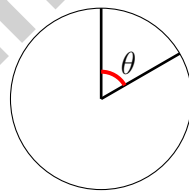
- A. Shape 1
- B. Shape 2
- C. Both shapes
- D. Neither shape
- 2) Which number rounds to 70,000 when rounded to the nearest ten thousand?
- A. 64,999
- B. 74,500
- C. 75,001
- D. 75,499
- 3) Which decomposition of $\frac{9}{10}$ is correct?

A. $\frac{4}{10} + \frac{5}{10}$

B. $\frac{3}{10} + \frac{5}{10}$

C. $\frac{2}{10} + \frac{8}{10}$

D. $\frac{5}{10} + \frac{5}{10}$



4)

What is the measure of angle θ shown in the diagram?

- A. 30°
- B. 45°
- C. 60°
- D. 90°



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.NF.C.5) Think of it as 3 tenths. We can write $\frac{3}{10} = \frac{30}{100} = 0.30 = 0.3$.
- Choice B is correct.** (4.MD.A.3) The rectangle is 10 in long and 6 in wide. Perimeter = $2(10) + 2(6) = 20 + 12 = 32$ in.
- Choice D is correct.** (4.NBT.A.1) A value of 30 means 3×10 . The tens place is where digit $\times 10$. Answer: Tens. ✓
- The correct answer is 9,690.** (4.NBT.B.4) Add from right to left: ones $4 + 6 = 10$ (write 0, carry 1), tens $3 + 5 + 1 = 9$, hundreds $2 + 4 = 6$, thousands $6 + 3 = 9$. The sum is **9,690**.
- Choice A is correct.** (4.NBT.B.6) Use long division: $23 \div 5 = 4$ r3, bring down the 1 to get $31 \div 5 = 6$ r1, bring down the 0 to get $10 \div 5 = 2$. Each person gets **462** beads.
- Choice A is correct.** (4.NBT.B.5) Use place value: $46 \times (10 + 2) = 460 + 92 = \mathbf{552}$ widgets.
- Choice D is correct.** (4.OA.A.2) “3 times as many” tells us to multiply: $3 \times 10 = 30$ desks in the hallway.
- Choice D is correct.** (4.OA.A.1) 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 A is correct.** (4.NF.B.3) Let’s verify A: $1 + 1 + 3 = 5$, so $\frac{1}{8} + \frac{1}{8} + \frac{3}{8} = \frac{5}{8}$ ✓. This breaks $\frac{5}{8}$ into three parts!
- Choice C is correct.** (4.G.A.3) A slanted parallelogram leans to one side and has different side lengths next to each other. Unlike the equilateral triangle (3 lines), rectangle (2 lines), and isosceles triangle (1 line), this shape has zero symmetry. The answer is A slanted parallelogram with unequal adjacent sides.
- The correct answer is 12.** (4.G.A.1) Since T is between R and S , add the pieces: $RS = RT + TS = 5 + 7 = 12$.
- Choice B is correct.** (4.NF.B.3) Subtract the wholes: $5 - 1 = 4$. Subtract the fractions: $\frac{3}{4} - \frac{1}{4} = \frac{2}{4}$. The amount remaining is $4\frac{2}{4}$ cups.
- Choice B is correct.** (4.MD.C.5) A half turn is $\frac{1}{2}$ of the full circle: $\frac{1}{2} \times 360^\circ = \mathbf{180^\circ}$.
- The correct answer is D, E.** (4.NF.B.4b) 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.MD.B.4) Count X marks at values ≤ 1 inch. At $\frac{1}{2}$ inch: 1 mark. At 1 inch: 2 marks. Total: $1 + 2 = \mathbf{3}$ marks.
- Choice A is correct.** (4.NF.C.5) Compare the tenths place first: $3 > 2$, so $0.32 > 0.23$. The tenths place matters most!
- Choice A is correct.** (4.NF.B.3) The gardener needs soil but already has some. Find how much more is needed by subtracting what he has from what’s needed: $\frac{6}{4} - \frac{2}{4} = \frac{4}{4}$ more bags of soil are needed.
- Choice C is correct.** (4.NF.A.1) Both bars show identical shading. They’re equivalent: $\frac{4}{6} = \frac{2}{3}$.
- Choice D is correct.** (4.OA.B.4b) Test each: $21 = 3 \times 7$ (composite); $22 = 2 \times 11$ (composite); $24 = 2 \times 12$ (composite); 29 has no factors besides 1 and itself—**prime!**
- Choice B is correct.** (4.NF.B.3) Ming ate 3 slices out of 12 equal slices, so the fraction is $\frac{3}{12}$. Breaking this into unit fractions: $\frac{3}{12} = \frac{1}{12} + \frac{1}{12} + \frac{1}{12}$ —three slices, each representing $\frac{1}{12}$ of the pizza.
- Choice B is correct.** (4.G.A.2) An isosceles triangle has exactly two sides of equal length. The tick marks on two sides indicate those two sides are equal, making this an isosceles triangle. The answer is **B**.
- Choice B is correct.** (4.NF.B.4b) Two bars stacked, each $\frac{1}{4}$ tall: $2 \times \frac{1}{4} = \frac{2}{4}$.
- Choice A is correct.** (4.NF.C.5) The phrase “six tenths” appears in both the decimal form (0.6) and the fraction form ($\frac{6}{10}$).
- Choice D is correct.** (4.NF.B.4b) Picture D shows two fraction bars: the first has all 4 fourths shaded, the second has 2 fourths shaded. In total we have $4 + 2 = 6$ copies of $\frac{1}{4}$, which equals $\frac{6}{4}$.
- Choice D is correct.** (4.OA.A.3) Two steps! Step 1: cars left after selling: $200 - 50 = 150$. Step 2: pack into boxes of 6: $150 \div 6 = 25$ complete boxes (no remainder).
- Choice C is correct.** (4.MD.C.7) Add the three spinner sections together: $50^\circ + 60^\circ + 70^\circ = \mathbf{180^\circ}$.
- Choice D is correct.** (4.NBT.A.3) We’re rounding to the nearest ten. Look at the ones digit: 9. Since $9 \geq 5$, we round UP! The tens digit changes from 4 to 5, so the answer is **7,150**. ✓



Lab Notes for a Young Scientist

Hi, Curious Scientist!

◇ 6 tests. So many experiments! You tested ideas. You watched what worked. You learned a lot. That's how scientists work—and how you work! ◇

★ **Scientists know:** mistakes are facts, not failures. Every problem you missed taught you something. You used those facts to do better next time. ★

Lab Results

- **Hypothesis:** CONFIRMED! Practice makes you better.
- **Method:** STRONG! You try, watch, and adjust.
- **Data:** CAREFUL! You read and copy numbers right.
- **Conclusion:** READY! You can do this test.

Scientist tip: on test day, stay curious. Ask, "What is this asking?" Then experiment with your math tools. You will find the answer!

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

Jay Daie

Your Math Scientist

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.

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Build a solid foundation through targeted practice and review.



Better Problem Solving

Develop logical thinking and effective solution strategies.



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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
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