

3

Louisiana

LEAP

GRADE 4

MATH

PRACTICE TESTS

Standards-Aligned Review with
Mixed Practice and Answer Key



5 FULL-LENGTH
PRACTICE TESTS



STANDARDS-ALIGNED
REVIEW



MIXED PRACTICE
QUESTIONS



ANSWER KEY
INCLUDED

$$a^2 + b^2 = c^2$$

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



3 Louisiana LEAP Grade 4 Math Practice Tests

Standards-Aligned Practice for Stronger Math Skills and Test Readiness



Three 30-question trail tests packed with Grade 4 review, Louisiana LEAP strategy tips, answer keys, and step-by-step explanations that turn every miss into the next move.

Jay Daie and Reza Nazari



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Welcome, Louisiana Math Explorer!

Three steady rounds on the Pelican State math route

This book gives you three full Grade 3 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?

Three tests, 90 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 1–3	Skill-building rounds with fractions, measurement, area, data, and two-step problems.
Tests 1–3	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 a length of 8 ft and a width of 5 ft. What is its area?

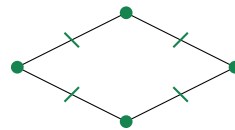
A. 13 sq ft

C. 40 sq ft

B. 26 sq ft

D. 45 sq ft

2) Look at the shape shown. It is a quadrilateral with four equal sides but no right angles. What is it?



All sides equal

A. Rectangle

C. Rhombus

B. Square

D. Trapezoid

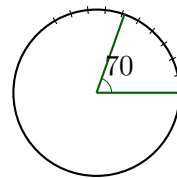
3) Two rays form an angle of 127° . One ray is rotated to create a smaller angle of 39° with the other ray. What is the angle that was swept during the rotation?

A. 88°

C. 39°

B. 166°

D. 90°



4)

The angle shown measures 70 degrees. How many one-degree angles is this?

A. 35 one-degree angles

C. 140 one-degree angles

B. 70 one-degree angles

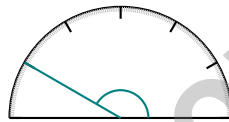
D. 7 one-degree angles



5) Henry jumps $\frac{1}{2}$ meter 9 times. How far does he jump altogether?

- A. $\frac{1}{18}$ meter C. $\frac{9}{1}$ meter
 B. $\frac{9}{2}$ meters or $4\frac{1}{2}$ meters D. $\frac{10}{2}$ meters

6) A rope is 9 yards long. How many feet does the rope measure?



7)

Which angle classification fits the angle shown above?

- A. Acute C. Obtuse
 B. Right D. Straight
- 8) A bookstore sells 12 new books per day for 15 days. The store also has 18 older books on a display shelf. Not counting the older books, how many new books did the bookstore sell?
- A. 120 C. 200
 B. 198 D. 180 books
- 9) Lily had 3 sticker sheets. Her grandmother gave her 4 times as many sticker sheets as Lily already had. How many sticker sheets does Lily have in all?
- A. 7 C. 16
 B. 12 D. 15



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- 10) Carter runs $\frac{3}{8}$ mile each morning. If he runs for 3 mornings, how far does he run in total?
- A. $\frac{3}{24}$ miles C. $\frac{6}{8}$ miles (or $\frac{3}{4}$ miles)
 B. $\frac{9}{8}$ miles (or $1\frac{1}{8}$ miles) D. $\frac{1}{8}$ mile
- 11) A race track is 400 meters long. If Maria runs around it 3 times, how many meters does she run in total?
- A. 400 m C. 1,200 m
 B. 800 m D. 1,500 m
- 12) What is $2 \times \frac{2}{5}$?
- A. $\frac{2}{10}$ C. $\frac{2}{5}$
 B. $\frac{4}{5}$ D. $\frac{4}{10}$
- 13) How many multiples of 6 are there from 1 to 50?
- A. 7 C. 9
 B. 10 D. 8
- 14) A construction company has 1,512 bricks to split equally among 8 sites. Which two of the following are correct?
- A. Each site gets 189 bricks.
 B. The remainder is 3.
 C. Each site gets 190 bricks.
 D. The quotient is 189.
 E. The first division step is $15 \div 8 = 1 \text{ r}5$.



1) A pattern starts at 100 and subtracts 10 each time. What is the 6th term?

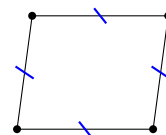
A. 40

C. 60

B. 70

D. 50

2) Look at the shape with tick marks on the sides. Which attribute do the tick marks show?



Tick marks
on sides

A. Parallel sides

C. Equal sides

B. Right angles

D. Perpendicular sides

3) Which fraction equals $\frac{50}{100}$?

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

C. $\frac{50}{10}$

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

D. $\frac{10}{100}$

4) The space inside an angle is called:

A. the exterior

C. the interior

B. the arc

D. the vertex

5) Noah used $\frac{5}{6}$ of his paint to paint a fence. Maria used $\frac{3}{4}$ of her paint on a wall. Assuming they started with the same amount, who used more paint?

A. Noah used more

C. They used the same amount

B. Maria used more

D. Cannot determine



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6) Find $3\frac{2}{4} + 1\frac{3}{4}$.

7) A city library has 287,654 books. How is this number read?

- A. Two hundred eighty thousand, seven hundred fifty-four
- B. Two hundred thousand, eighty-seven thousand, six hundred fifty-four
- C. Twenty-eight thousand, seven hundred fifty-four
- D. Two hundred eighty-seven thousand, six hundred fifty-four

8) A four-digit number has 9 in the thousands place and 2 in the tens place. The hundreds and ones digits are unknown. What is the minimum value this number could have?

- A. 9,220
- B. 9,200
- C. 9,002
- D. 9,020

9) A pizza was cut into 12 slices. Marcus ate $\frac{3}{12}$ of the pizza and Sofia ate $\frac{4}{12}$. What fraction of the pizza remains?

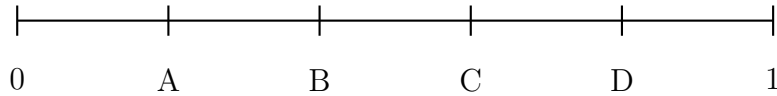
- A. $\frac{7}{12}$
- B. $\frac{5}{12}$
- C. $\frac{1}{12}$
- D. $\frac{12}{12}$

10) A plant's growth was measured five times in eighths: $\frac{3}{8}$ in, $\frac{5}{8}$ in, $\frac{2}{8}$ in, $\frac{5}{8}$ in, $\frac{3}{8}$ in. What is the difference between the largest and smallest growth measurement?

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



1) Where does 0.2 belong on this number line?



- A. At position A C. At position C
 B. At position B D. At position D

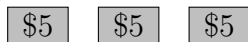
2) Mia made 3 sandwiches. Each sandwich uses $\frac{1}{4}$ of a loaf of bread. How much bread did she use altogether?

- A. $\frac{1}{12}$ loaf C. $\frac{4}{3}$ loaf
 B. $\frac{3}{1}$ loaf D. $\frac{3}{4}$ loaf

3) How many lines of symmetry does a circle have?

- A. 0 C. Infinitely many
 B. 1 D. 4

4) Jacob receives three \$5 bills. How much money is shown?



Three \$5 bills

- A. \$10 C. \$20
 B. \$15 D. \$25



5) Which sum is correct?

A. $\frac{7}{10} + \frac{10}{100} = \frac{80}{100}$

B. $\frac{7}{10} + \frac{10}{100} = \frac{17}{110}$

C. $\frac{7}{10} + \frac{10}{100} = \frac{7}{10}$

D. $\frac{7}{10} + \frac{10}{100} = \frac{7}{100}$

6) Carmen ate $\frac{3}{8}$ of a pizza. Her brother ate $\frac{2}{8}$ of the same pizza. What fraction of the pizza did they eat altogether?

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

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

C. $\frac{6}{8}$

D. $\frac{5}{16}$

7) Which equation shows a correct use of the standard algorithm for 23×18 ?

A. $23 \times 1 + 23 \times 8 = 23 + 184 = 207$

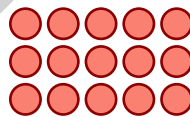
B. $(23 \times 10) + (23 \times 8) = 230 + 184 = 314$

C. $(2 \times 8) + (3 \times 8) = 16 + 24 = 40$

D. $(23 \times 8) + (23 \times 10) = 184 + 230 = 414$

8) Look at the counter groups. Which statement is true?

Group 2: 15



Group 1: 5

A. Group 1 has 3 times as many as Group 2

B. Group 1 has 2 times as many as Group 2

C. Both groups are equal

D. Group 2 has 3 times as many as Group 1



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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 C is correct.** (4.MD.A.3) To find area, we multiply length times width: $8 \times 5 = 40$ sq ft.
- Choice C is correct.** (4.G.A.2) 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 A is correct.** (4.MD.C.7) The ray rotates from one angle to a smaller one. The swept angle is: $127^\circ - 39^\circ = 88^\circ$.
- Choice B is correct.** (4.MD.C.5) The angle shown measures 70° , made from **70** one-degree angles.
- Choice B is correct.** (4.NF.B.4b) Henry jumps $\frac{1}{2}$ meter 9 times. Multiply: $9 \times \frac{1}{2} = \frac{9 \times 1}{2} = \frac{9}{2} = 4\frac{1}{2}$ meters. The answer is $4\frac{1}{2}$ meters.
- The correct answer is 27.** (4.MD.A.1) Since 1 yard = 3 feet, multiply: $9 \times 3 = 27$ feet.
- Choice C is correct.** (4.MD.C.6) Obtuse angles are wider than right angles but not quite flat. Since 150° is between 90° and 180° , it fits the obtuse definition perfectly. The answer is obtuse.
- Choice D is correct.** (4.OA.A.3) Watch out for extra information! The 18 older books are not new sales, so we ignore them. Just multiply: $12 \text{ books/day} \times 15 \text{ days} = 180$ new books sold.
- Choice D is correct.** (4.OA.A.2) Two steps! Step 1: Grandma gave Lily $4 \times 3 = 12$ more sheets. Step 2: Add what Lily already had: $3 + 12 = 15$ sheets in all.
- Choice B is correct.** (4.NF.B.4b) Carter runs $\frac{3}{8}$ mile each morning for 3 mornings. We multiply: $3 \times \frac{3}{8} = \frac{9}{8}$ miles.
- Choice C is correct.** (4.MD.A.2) Maria runs one lap of 400 meters three times. Multiply to find the total: $3 \times 400 = 1,200$ meters. That's **1,200** meters in all!
- Choice B is correct.** (4.NF.B.4b) Two groups of $\frac{2}{5}$ each: $2 \times \frac{2}{5} = \frac{2 \times 2}{5} = \frac{4}{5}$.
- Choice D is correct.** (4.OA.B.4b) Skip-count by 6 until you pass 50: 6, 12, 18, 24, 30, 36, 42, 48. The next would be 54 (too big), so we stop at 48. Count: **8** multiples. *Quick check:* $50 \div 6 \approx 8$. ✓
- The correct answer is A, D.** (4.NBT.B.6) Use long division: $15 \div 8 = 1$ r7, bring down the 1 to get $71 \div 8 = 8$ r7, bring down the 2 to get $72 \div 8 = 9$. The quotient is 189 with no remainder. Statements A and D are correct (each site gets exactly 189 bricks, and the quotient is 189). Statements B, C, and E are incorrect because there is no remainder, each site gets 189 not 190, and the first step has the wrong remainder.
- The correct answer is 2198.** (4.NBT.B.5) Use partial products: $7 \times 314 = 7 \times (300 + 10 + 4) = 2100 + 70 + 28 = 2198$.
- Choice B is correct.** (4.NF.A.1) Find common denominators: $\frac{3}{4} = \frac{15}{20}$ and $\frac{4}{5} = \frac{16}{20}$. Since $\frac{16}{20} > \frac{15}{20}$, the second jar is more full.
- Choice B is correct.** (4.MD.C.5) Angle 2 has a larger opening, making it the wider angle. Compare how far apart the rays spread from the vertex.
- The correct answer is 6.** (4.NF.A.1) The denominator changes from 3 to 9—that's multiply by 3. Multiply the numerator by 3 also: $\frac{2 \times 3}{3 \times 3} = \frac{6}{9}$.
- Choice C is correct.** (4.NF.B.3) Elena ate both pieces of the chocolate bar that was divided into 2 equal pieces. So she ate $\frac{2}{2}$, which as unit fractions is $\frac{1}{2} + \frac{1}{2}$.
- Choice C is correct.** (4.G.A.3) A regular hexagon (6 equal sides) is perfectly balanced in six ways. Lines can pass through opposite corners, or through the middle of opposite sides—each creates matching halves. The answer is **6** lines of symmetry.
- Choice C is correct.** (4.OA.B.4b) Count stars: Figure 1 has 1, Figure 2 has 3, Figure 3 has 6. The increases are +2, then +3. Following the pattern, the next increase is +4: $6 + 4 = 10$ stars.
- Choice A is correct.** (4.NBT.A.3) We're rounding to the nearest ten thousand. Look at the thousands digit: 3. Since $3 < 5$, we round DOWN to **40,000** books. ✓
- Choice D is correct.** (4.NBT.A.1) The digit 5 is in the thousands place. Its value is $5 \times 1,000 = 5,000$. ✓
- Choice D is correct.** (4.NBT.A.2) Step 1: $400,000 + 80,000 + 3,000 = 483,000$. Step 2: $483,000 + 200 + 1 = 483,201$ ✓
- Choice D is correct.** (4.OA.A.1) "4 times as many" is a multiplication signal. The friend collects 4 groups of Greyson's 8 cards: $8 \times 4 = 32$ cards.



Hi, Math Pilot!

◇ 3 flights done in your math airplane. You have flown through smooth skies and bumpy clouds. You are a real pilot now. ◇

★ **Pilots know:** a good check before takeoff makes a smooth flight. Before each problem, do your check: read, plan, solve, verify. ★

Pilot Skills

- **Pre-Flight:** You read the question carefully.
- **Steering:** You pick the right strategy.
- **Smooth Flight:** You stay calm in long tests.
- **Landing:** You always check your final answer.

Pilot tip: on test day, take off one problem at a time. Trust your training. You earned your wings!

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

Jay Daie

Your Math Pilot

PRACTICE TODAY. SUCCEED TOMORROW!

This **Grade 4 Math Practice Tests** book is designed to help students build strong math skills, master key concepts, and gain the confidence they need to excel on any test.

With 3 full-length practice tests, a variety of question types, and detailed answer explanations, students get the review and practice they need to strengthen problem-solving skills and achieve their best.

Perfect 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 TODAY.
SUCCESS TOMORROW!

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.



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 & Decimals
- ✓ Measurement & Data
- ✓ Geometry & Shapes
- ✓ Perimeter & Area
- ✓ Word Problems
- ✓ Patterns & Algebraic Thinking
- ✓ And More!



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