

9

$$256 \div 8 = 32$$



$$48 \times 7 = 336$$

Louisiana LEAP

GRADE 4

MATH

PRACTICE TESTS

Standards-Aligned Review with
Mixed Practice and Answer Key



**9 FULL-LENGTH
PRACTICE TESTS**



**STANDARDS-ALIGNED
REVIEW**



**MIXED PRACTICE
BUILD SKILLS & CONFIDENCE**



**ANSWER KEY
FOR ALL TESTS**



$$\frac{3}{4} + \frac{1}{4} = 1$$



$$725 - 358 = 367$$

PREPARE
PRACTICE
SUCCEED
PERFORM

**PRACTICE TODAY.
SUCCEED TOMORROW.**

9 Louisiana LEAP Grade 4 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Nine 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.

Jay Daie and Reza Nazari



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Welcome, Louisiana Math Explorer!

Nine steady rounds on the Pelican State math route

This book gives you nine 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?

Nine tests, 270 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 7–9	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) Which fraction is greater than 1?

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

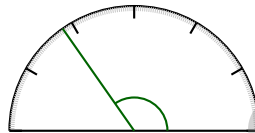
- C. $\frac{5}{4}$
 D. $\frac{7}{8}$

2) What is 6×187 ?

- A. 1020
 B. 1200

- C. 1122
 D. 1320

3)

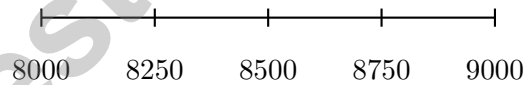


What is the measure of this angle?

- A. 115 degrees
 B. 120 degrees

- C. 125 degrees
 D. 135 degrees

4) Which number line best shows 8,250 and where it rounds?



- A. 8,250 rounds to 8,000
 B. 8,250 rounds to 8,500

- C. 8,250 rounds to 9,000
 D. 8,250 stays the same



5) A string is cut into 2 equal pieces. Both pieces are used. Which sum of unit fractions shows this?

A. $\frac{1}{2} + \frac{1}{2}$

C. $\frac{2}{2}$

B. $\frac{1}{2}$

D. $\frac{1}{1}$

6) A bead weighs $\frac{1}{10}$ gram. How much do 9 beads weigh?

A. $\frac{1}{90}$ gram

C. $\frac{10}{9}$ grams

B. $\frac{9}{10}$ grams

D. $\frac{9}{90}$ gram

7) A chef uses 4 tablespoons of salt in a recipe. How many teaspoons is this? (Hint: 1 tablespoon = 3 teaspoons)

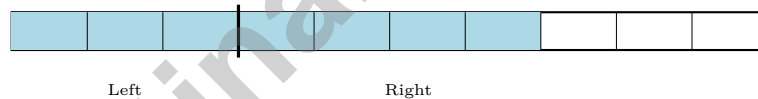
A. 4

C. 12

B. 8

D. 16

8) A student drew this bar to show $\frac{7}{10}$:



The line splits this into two parts. Which decomposition is shown?

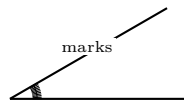
A. $\frac{3}{10} + \frac{4}{10}$

C. $\frac{4}{10} + \frac{2}{10}$

B. $\frac{2}{10} + \frac{5}{10}$

D. $\frac{1}{10} + \frac{6}{10}$

9)



This angle is marked from 0° to 30° . How many one-degree angles does the angle contain?

A. 29 one-degree angles

C. 31 one-degree angles

B. 30 one-degree angles

D. 60 one-degree angles



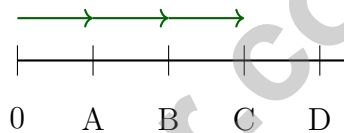
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10) How many sides does an angle have?

11) An error analysis: A student added $\frac{2}{4} + \frac{3}{4}$ and got $\frac{5}{8}$. What did the student do wrong?

- A. Added the denominators instead of keeping them the same.
- B. Subtracted instead of added.
- C. Forgot to simplify.
- D. Used the wrong denominator in the answer.

12) Sam has a number line with hops of $\frac{1}{4}$. Which point represents $3 \times \frac{1}{4}$?



- A. Point A
- B. Point B
- C. Point C
- D. Point D
- 13) A library receives 5 boxes of books. Each box has 20 books. They also receive 15 loose books. Then they shelve 45 books. How many books are left to shelve?

- A. 115
- B. 100
- C. 45
- D. 70



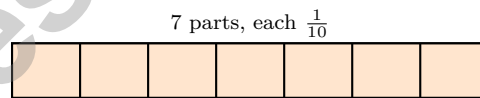
- 1) Look at this addition with regrouping:
$$\begin{array}{r} 4,567 \\ +2,345 \\ \hline \end{array}$$
 What is the sum?
- A. 6,912 C. 7,012
 B. 6,812 D. 6,922

- 2) What is 2,735 rounded to the nearest ten?
- A. 2,730 C. 2,700
 B. 2,800 D. 2,740

- 3) A rectangle has a width of 4 inches. The perimeter is 28 inches. What is the length?
- A. 6 in C. 10 in
 B. 8 in D. 12 in

- 4) What is $\frac{4}{10} + \frac{5}{10}$?
- A. $\frac{9}{20}$ C. $\frac{1}{10}$
 B. $\frac{9}{10}$ D. $1\frac{0}{10}$

- 5) In a fraction bar, 7 equal parts are shaded. If each part is $\frac{1}{10}$, what fraction is shaded?



- A. $\frac{1}{10}$ C. $\frac{7}{10}$
 B. $\frac{3}{10}$ D. $\frac{10}{7}$



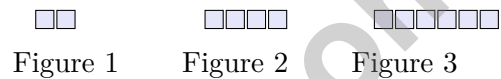
6) What is the sixth multiple of 4?

7) Jackson has $3\frac{5}{6}$ cups of juice. He drinks $2\frac{2}{6}$ cups. How much juice remains?

- A. $1\frac{3}{6}$
 B. $1\frac{2}{6}$

- C. $5\frac{7}{6}$
 D. $2\frac{3}{6}$

8) A pattern of tiles is shown:



How many tiles are in Figure 7?

- A. 12
 B. 18

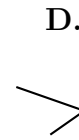
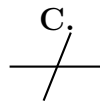
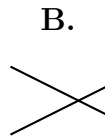
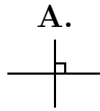
- C. 16
 D. 14

9) A carousel makes $\frac{2}{3}$ of a turn. How many degrees is this?



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1) Which diagram shows two perpendicular lines?



A. Diagram A

C. Diagram C

B. Diagram B

D. Diagram D

2) Rosa bought 7 pencils. Ahmed bought 5 times as many pencils as Rosa. How many pencils did Ahmed buy?

A. 12

C. 42

B. 30

D. 35

3) Which shows the completed standard algorithm, including the final product, for 37×26 ?

A.

$$\begin{array}{r} 37 \\ \times 26 \\ \hline 222 \\ +740 \\ \hline \end{array}$$

B.

$$\begin{array}{r} 37 \\ \times 26 \\ \hline 962 \\ +740 \\ \hline \end{array}$$

C.

$$\begin{array}{r} 37 \\ \times 26 \\ \hline 222 \\ + 74 \\ \hline \end{array}$$

D.

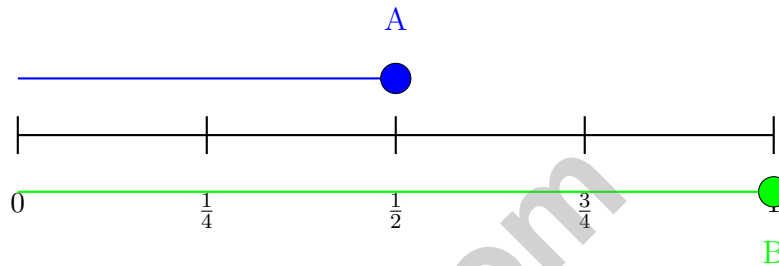
$$\begin{array}{r} 37 \\ \times 26 \\ \hline 222 \\ +740 \\ \hline 962 \end{array}$$



4) Which shape has perpendicular sides and all angles of 90 degrees?

- A. Acute triangle C. Rectangle
 B. Obtuse triangle D. Trapezoid

5) Look at the number line. It shows jumps from 0 to 1 marked at halves and fourths. Which point is equivalent to $\frac{1}{2}$?



- A. Point A at $\frac{1}{2}$ C. Neither point is equivalent to $\frac{1}{2}$
 B. Point B at 1 D. Both points are equivalent to $\frac{1}{2}$

6) Is 41 prime or composite?

- A. Both C. Neither
 B. Composite D. Prime



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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

- 1) **Choice C is correct.** (4.NF.A.1) A fraction is greater than 1 when the numerator exceeds the denominator. Since $5 > 4$, $\frac{5}{4} > 1$.
- 2) **Choice C is correct.** (4.NBT.B.5) Decompose into place values: $6 \times (100 + 80 + 7) = 600 + 480 + 42 = 1122$.
- 3) **Choice C is correct.** (4.MD.C.6) The ray points to the 125° mark, which is between the 120° and 135° benchmarks. Since 125° is between 90° and 180° , it's obtuse. The answer is **125** degrees.
- 4) **Choice A is correct.** (4.NBT.A.3) We're rounding to the nearest thousand. Look at the hundreds digit in 8,250: it's $2 < 5$, so round DOWN to **8,000** ✓. The number line shows 8,250 is closer to 8,000 than to 9,000.
- 5) **Choice A is correct.** (4.NF.B.3) Both pieces are used out of 2 equal pieces, which is $\frac{2}{2}$. As a sum of unit fractions: $\frac{1}{2} + \frac{1}{2}$.
- 6) **Choice B is correct.** (4.NF.B.4b) Nine beads, each weighing $\frac{1}{10}$ gram, weigh $9 \times \frac{1}{10} = \frac{9}{10}$ grams total.
- 7) **Choice C is correct.** (4.MD.A.1) Since 1 tablespoon = 3 teaspoons, multiply: $4 \times 3 = 12$ teaspoons. The answer is **12** teaspoons.
- 8) **Choice A is correct.** (4.NF.B.3) The thick line splits the bar in two. Left side: $\frac{3}{10}$. Right side: $\frac{4}{10}$. Total: $3 + 4 = 7$, so $\frac{3}{10} + \frac{4}{10} = \frac{7}{10}$ ✓.
- 9) **Choice B is correct.** (4.MD.C.5) The angle is marked from 0° to 30° , so it contains **30** one-degree angles.
- 10) **The correct answer is 2.** (4.MD.C.5) An angle is formed by **2** rays.
- 11) **Choice A is correct.** (4.NF.B.3) The student added the denominators by mistake: $4 + 4 = 8$. That's the trap! With like denominators, keep it the same. Correct: $2 + 3 = 5$ numerators, same denominator gives $\frac{5}{4}$, not $\frac{5}{8}$.
- 12) **Choice C is correct.** (4.NF.B.4b) Starting at 0, each hop moves us forward by $\frac{1}{4}$. After three hops, we land at $3 \times \frac{1}{4} = \frac{3}{4}$, which is Point C.
- 13) **Choice D is correct.** (4.OA.A.3) Three steps! Step 1: books from the boxes: $5 \times 20 = 100$. Step 2: add the loose books: $100 + 15 = 115$. Step 3: subtract the shelved ones: $115 - 45 = 70$ books left.
- 14) **Choice D is correct.** (4.OA.A.1) The larger bar is 6 times the smaller bar, so we multiply: $3 \times 6 = 18$. The larger amount is **18**.
- 15) **The correct answer is A, B.** (4.G.A.3) Choice A is correct because a regular pentagon has exactly 5 lines of symmetry. Choice B is correct because a regular hexagon has exactly 6. Choice C is wrong (equilateral triangles have 3, not 6). Choice D is wrong (regular octagons have 8, not 4). Choice E is wrong because different regular polygons have different numbers of symmetry lines!
- 16) **Choice D is correct.** (4.NBT.A.1) In any number, the thousands place is always 10 times the hundreds place. Example: in 2,222, thousands is 2,000 and hundreds is 200; $2,000 \div 200 = 10$ times. ✓
- 17) **The correct answer is 14.** (4.OA.A.2) Quinn's group has 2 rows of 7 bookmarks—"2 times as many." Multiply: $2 \times 7 = 14$ bookmarks.
- 18) **Choice A is correct.** (4.NBT.B.6) Long division: $3 \div 9 = 0$ r3, bring down the 6 to get $36 \div 9 = 4$, bring down the 7 to get $7 \div 9 = 0$ r7, bring down the 5 to get $75 \div 9 = 8$ r3. The answer is **408** r3.
- 19) **Choice C is correct.** (4.NF.C.5) A price of \$0.45 is forty-five cents, or $\frac{45}{100}$ of a dollar.
- 20) **Choice A is correct.** (4.MD.C.7) When smaller angles combine, they add to form the larger angle: $22^\circ + 58^\circ = 80^\circ$.
- 21) **The correct answer is 0.64.** (4.NF.C.5) Always compare tenths first—they have more weight than hundredths. 0.64 has 6 tenths; 0.46 has 4 tenths. Since $6 > 4$, **0.64** is greater. (Once tenths differ, the hundredths don't matter.) ✓
- 22) **Choice A is correct.** (4.G.A.2) The purple arrows indicate which sides are parallel. The arrows on the top and bottom sides show they are parallel to each other. The answer is **A**.
- 23) **Choice A is correct.** (4.NF.B.4b) The pie is cut into 4 equal pieces. Each piece is $\frac{1}{4}$ of the pie. Sam ate 3 pieces, so he ate $3 \times \frac{1}{4} = \frac{3}{4}$ of the pie.
- 24) **Choice A is correct.** (4.NF.B.3) The chocolate bar is shared, but some is left over. Step 1: Add what was eaten: $\frac{5}{10} + \frac{3}{10} = \frac{8}{10}$. Step 2: Subtract from the whole: $\frac{10}{10} - \frac{8}{10} = \frac{2}{10}$ left uneaten.



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Trail Guide's Final Note

Hi, Brave Trail-Walker!

◇ You walked all 9 miles of the practice trail. Smooth paths, steep climbs, narrow passes. Every step taught you something. ◇

★ **Trail guides know:** the most important thing is to keep moving. Slow steps still get you there. You have a steady stride now. ★

Trail Survey

- **Route Knowledge:** You know lots of problem types.
- **Steady Pace:** You don't rush. You don't stop.
- **Pack Loaded:** You have all the math tools you need.
- **Confidence:** You trust your training.

Guide's tip: on test day, stay on the trail you've walked before. Use the strategies you've practiced. Trust the route. The summit is one steady walk away!

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

Jay Daie

Your Math Trail Guide

PRACTICE TODAY. ACHIEVE TOMORROW!

This **Grade 4 Math Practice Tests** book is designed to help students strengthen essential math skills, build confidence, and develop the problem-solving abilities needed for classroom success and test readiness.

With 9 full-length practice tests, students gain repeated exposure to important Grade 4 concepts while learning how to approach questions with accuracy, confidence, and strong mathematical thinking.

Whether used at home, in the classroom, or for independent review, this book provides meaningful practice that helps students grow stronger with every test.

PERFECT FOR:

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

TOPICS COVERED

- ✓ Place Value & Number Sense
- ✓ Multi-Digit Addition & Subtraction
- ✓ Multiplication & Division
- ✓ Fractions & Equivalent Fractions
- ✓ Geometry & Shapes
- ✓ Measurement & Data
- ✓ Perimeter & Area
- ✓ Word Problems
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- ✓ Graphs & Data Interpretation
- ✓ Mathematical Reasoning
- ✓ And More!



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