

7

Louisiana

LEAP

GRADE 4 MATH

PRACTICE TESTS

Standards-Aligned Review with
Mixed Practice and Answer Key



7 Full-Length
Practice Tests



Standards-
Aligned



Build Confidence
and Skills



Mixed Question
Types

**ANSWER
KEY**

INCLUDED

$$\begin{array}{r} 25 \\ +37 \\ \hline 62 \end{array}$$

$$\begin{array}{r} 8 \times 7 \\ = \\ 56 \end{array}$$



7 Louisiana LEAP Grade 4 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Seven 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!

Seven steady rounds on the Pelican State math route

This book gives you seven 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?

Seven tests, 210 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 5–7	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) Round 44,556 to the nearest ten thousand.

- A. 44,000 C. 45,000
 B. 50,000 D. 40,000

2) A runner completes $\frac{5}{6}$ of a race, then stops for water. After water, she runs $\frac{1}{6}$ more. Did she complete the full race?

- A. Yes, she ran $\frac{6}{6}$ or the whole race C. No, she ran $\frac{5}{12}$ of the race
 B. No, she only ran $\frac{5}{6}$ D. Yes, she ran $\frac{7}{6}$ of the race

3) Complete the table using the rule “multiply by 2 then add 1”:

Input	1	2	3	4
Output	3	5	7	?

- A. 8 C. 11
 B. 13 D. 9

4) How should one baseline of the angle be positioned on a protractor for an accurate measurement?

- A. Along any edge of the protractor C. In the middle of the protractor
 B. Along the straight edge at the 0-degree mark D. It does not matter

5) Which fraction with denominator 100 is equivalent to $\frac{3}{10}$?

- A. $\frac{3}{100}$ C. $\frac{30}{100}$
 B. $\frac{13}{100}$ D. $\frac{33}{100}$

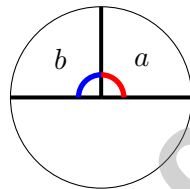


10) A bakery sold 12,345 cookies on Monday and 8,567 cookies on Tuesday. How many cookies did they sell in total?

- A. 20,912
- B. 21,012
- C. 20,812
- D. 21,112

11) A trapezoid with a vertical line of symmetry has what other special property?

- A. Both legs are equal length
- B. All four sides are equal
- C. It is a rectangle
- D. It has two parallel sides of different lengths




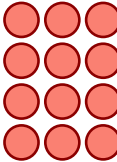
12)

Angles a and b are marked in the diagram. What is the sum $a + b$?

- A. 90°
- B. 180°
- C. 270°
- D. 360°

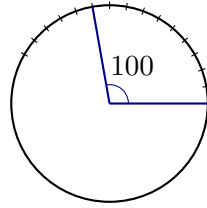
13) Look at the groups below.


Group 1: 3 counters


Group 2: 12 counters

Group 2 has how many times as many counters as Group 1?

- A. 3
- B. 9
- C. 6
- D. 4



7)

Ava drew an angle that measures 100 degrees. How many one-degree angles does it contain?

- A. 50 one-degree angles C. 200 one-degree angles
 B. 100 one-degree angles D. 10 one-degree angles

8) Which pair of numbers both round to 7,000 when rounded to the nearest thousand?

- A. 6,499 and 7,501 C. 7,149 and 6,449
 B. 6,501 and 7,999 D. 6,500 and 7,450

9) Which letter has exactly 2 lines of symmetry?

- A. *K* C. *I*
 B. *N* D. *R*

10) Find $8 \times \frac{2}{3}$ as a mixed number.

1) Diego has 6 toy cars. Chen has 4 times as many toy cars as Diego. How many more cars does Chen have than Diego?

A. 10

C. 24

B. 4

D. 18

2) Order from greatest to least: $\frac{5}{6}$, $\frac{5}{10}$, $\frac{5}{8}$.

A. $\frac{5}{10}$, $\frac{5}{8}$, $\frac{5}{6}$

C. $\frac{5}{8}$, $\frac{5}{6}$, $\frac{5}{10}$

B. $\frac{5}{6}$, $\frac{5}{8}$, $\frac{5}{10}$

D. $\frac{5}{10}$, $\frac{5}{6}$, $\frac{5}{8}$

3) What is $4 \times \frac{3}{8}$ as a mixed number?

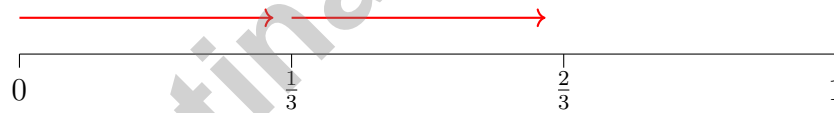
A. $\frac{3}{32}$

C. $\frac{12}{8}$ or $1\frac{1}{2}$

B. $\frac{4}{8}$

D. $\frac{12}{32}$

4) A number line shows jumps of $\frac{1}{3}$. Which number of jumps gets us to $\frac{2}{3}$?



A. 1 jump

C. 3 jumps

B. 2 jumps

D. 6 jumps

5) Add: $7,285 + 1,514 = ?$

A. 8,799

C. 8,699

B. 8,889

D. 9,799



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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 D is correct.** (4.NBT.A.3) We're rounding to the nearest ten thousand. Look at the thousands digit: 4. Since $4 < 5$, we round DOWN to **40,000**. ✓
- Choice A is correct.** (4.NF.B.3) The runner completes $\frac{5}{6}$ of the race, then adds $\frac{1}{6}$ more. That's $5 + 1 = 6$ sixths, or exactly **1** whole race.
- Choice D is correct.** (4.OA.B.4b) Apply the rule "multiply by 2 then add 1" to input 4: $(2 \times 4) + 1 = 8 + 1 = \mathbf{9}$.
- Choice B is correct.** (4.MD.C.6) To measure an angle correctly, you must place one ray—called the baseline ray—right along the straight edge of the protractor, lined up with the 0° mark. This is your starting point for reading the other ray. The answer is along the straight edge at the 0 -degree mark.
- Choice C is correct.** (4.NF.C.5) To write $\frac{3}{10}$ as hundredths, multiply the numerator and denominator by 10: $\frac{3}{10} = \frac{3 \times 10}{10 \times 10} = \frac{30}{100}$.
- Choice B is correct.** (4.G.A.1) Angle 1 is a small opening — less than 90° — so it's acute. Angle 2 opens much wider, more than 90° , making it obtuse.
- Choice C is correct.** (4.NBT.B.6) Divide: $27 \div 6 = 4$ r3, bring down the 3 to get $33 \div 6 = 5$ r3, bring down the 6 to get $36 \div 6 = 6$. Each shirt gets **456** buttons.
- The correct answer is $1\frac{1}{7}$.** (4.NF.B.3) Add the fractions: $\frac{5}{7} + \frac{3}{7} = \frac{8}{7}$. Convert to a mixed number: $1\frac{1}{7}$.
- Choice C is correct.** (4.NF.B.3) Each hop is $\frac{1}{2}$. To reach $\frac{3}{2}$, we need **3** hops: $\frac{1}{2} + \frac{1}{2} + \frac{1}{2} = \frac{3}{2}$.
- Choice A is correct.** (4.NBT.B.4) To find the total sold, we add. $12,345 + 8,567 = \mathbf{20,912}$ cookies in total.
- Choice A is correct.** (4.G.A.3) An isosceles trapezoid has two equal slanted sides and a vertical line of symmetry down the middle. This vertical balance means those two slanted sides must be the same length. The answer is Both legs are equal length.
- Choice B is correct.** (4.MD.C.5) The diagram shows two right angles: angle a is 90° (right to up), and angle b is 90° (up to left). Together: $90^\circ + 90^\circ = \mathbf{180^\circ}$.
- Choice D is correct.** (4.OA.A.1) To find "how many times as many," divide the bigger amount by the smaller. Group 2 has 12, Group 1 has 3, and $12 \div 3 = 4$. So Group 2 has **4** times as many counters.
- Choice C is correct.** (4.MD.B.4) The smallest measurement is $\frac{2}{8}$ and the largest is $\frac{6}{8}$. The range is $\frac{6}{8} - \frac{2}{8} = \frac{4}{8}$.
- Choice A is correct.** (4.NF.C.5) The place-value chart displays 9 tenths and 2 hundredths. Combine them: $0.9 + 0.02 = 0.92$.
- The correct answer is B, C.** (4.G.A.2) For statements about rectangles: B is correct because opposite sides in a rectangle are always equal in length. C is correct because all four angles in a rectangle measure 90 degrees. Statement A is false (only opposite sides must be equal, not all four). Statement D is false (rectangles have two pairs of parallel sides, not one). Statement E is false (rectangles have parallel sides). The answer is B and C.
- The correct answer is 67.** (4.MD.C.7) The angle is split into two parts. Subtract to find the missing angle: $156^\circ - 89^\circ = \mathbf{67^\circ}$.
- Choice B is correct.** (4.NF.A.1) All four fractions have numerator 1. Bigger denominators = smaller pieces. So fifths are smaller than thirds: $\frac{1}{5} < \frac{1}{3}$.
- Choice D is correct.** (4.NBT.A.1) From the chart, the hundreds place (second column from the left) contains the digit **8**. ✓
- Choice B is correct.** (4.OA.B.4b) Each array shows a factor pair multiplied. Check the products: $4 \times 6 = 24$ ✓; $5 \times 5 = 25$ (not 24!); $3 \times 8 = 24$ ✓; $2 \times 12 = 24$ ✓. So choice B is the array that does *not* match a factor pair of 24.
- Choice B is correct.** (4.NF.C.5) 3 tenths = 0.3 and 7 hundredths = 0.07. Add them: $0.3 + 0.07 = 0.37$.
- Choice B is correct.** (4.NF.B.4b) The numerator 3 tells us how many unit fractions we have, and the denominator 4 tells us the unit fraction is $\frac{1}{4}$. So $\frac{3}{4}$ equals $3 \times \frac{1}{4}$.
- Choice A is correct.** (4.NF.B.4b) When we multiply $2 \times \frac{1}{3}$, we're taking 2 copies of $\frac{1}{3}$, which gives us $\frac{2}{3}$. Picture A shows one whole divided into thirds with exactly 2 parts shaded. This is Picture A.
- Choice A is correct.** (4.NF.A.1) Diego ate $\frac{4}{8}$ —simplify: $\frac{4}{8} = \frac{1}{2}$. Maya ate $\frac{2}{4}$ —simplify: $\frac{2}{4} = \frac{1}{2}$. They both ate half!



Notes From Your Math Builder

Hi, Math Builder!

◇ Through 7 practice tests, you built your math house brick by brick. The walls are strong. The roof is on. You are ready for anything test day brings. ◇

★ **Builders know:** good plans make strong houses. You learned to plan, then build. That helps with any problem. ★

Builder's Tools

- **Foundation:** ROCK SOLID. Math facts are in place.
- **Frame:** STRONG. You can break problems into parts.
- **Walls:** TIDY. Your work is neat and clear.
- **Roof:** DONE. You always answer the question.

Builder tip: on test day, build each answer like a tiny house. Read first. Plan next. Do the math. Then check!

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

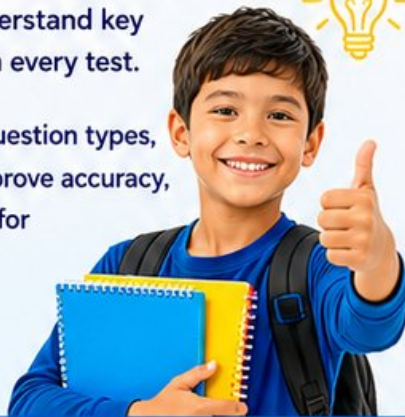
Jay Daie

Your Math Builder

7 FULL-LENGTH TESTS TO MASTER GRADE 4 MATH!

This **Grade 4 Math Practice Tests** book provides the practice your child needs to build strong math skills, understand key concepts, and gain the confidence to succeed on every test.

With 7 full-length practice tests, a wide range of question types, and detailed answer explanations, students will improve accuracy, strengthen problem-solving abilities, and prepare for classroom success and beyond.



PERFECT FOR:

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

$$\begin{array}{r} 45 \\ -17 \\ \hline 28 \end{array}$$



$$7 \times 8 = 56$$

TOPICS COVERED

- ✓ Place Value & Number Sense
- ✓ Multi-Digit Addition & Subtraction
- ✓ Multiplication & Division
- ✓ Fractions & Equivalent Fractions
- ✓ Decimals & Comparing Numbers
- ✓ Geometry & Shapes
- ✓ Measurement & Data
- ✓ Perimeter & Area
- ✓ Word Problems
- ✓ Patterns & Algebraic Thinking
- ✓ Graphs & Data Interpretation
- ✓ And More!



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Standards-Aligned



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Mixed Question Types



Answer Key Included