

4

Louisiana

LEAP

GRADE 4

MATH

PRACTICE TESTS



5 FULL-LENGTH
PRACTICE TESTS



STANDARDS-ALIGNED
REVIEW



MIXED PRACTICE
QUESTIONS



ANSWER KEY
INCLUDED

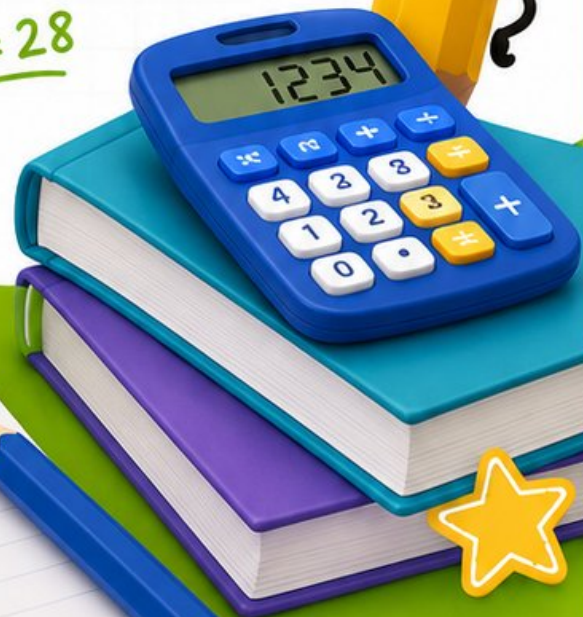


Standards-Aligned Review with
Mixed Practice and Answer Key



$$4 \times 7 = 28$$

$$36 \div 9 = 4$$



4 Louisiana LEAP Grade 4 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Four focused 30-question missions for Grade 4 math: number facts, fractions, measurement, data, area, shapes, answer keys, and clear explanations for every item.

Jay Daie and Reza Nazari



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Welcome, Louisiana Math Explorer!

Four steady rounds on the Pelican State math route

This book gives you four 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?

Four tests, 120 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 2–4	Skill-building rounds with fractions, measurement, area, data, and two-step problems.
Tests 2–4	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) A rectangle is divided into 6 equal parts. 4 parts are colored blue. What fraction is blue, shown as a sum of unit fractions?

A. $\frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6}$

B. $\frac{2}{6} + \frac{2}{6}$

C. $\frac{4}{6} + \frac{2}{6}$

D. $\frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4}$

2) Which fraction is a multiple of $\frac{1}{5}$?

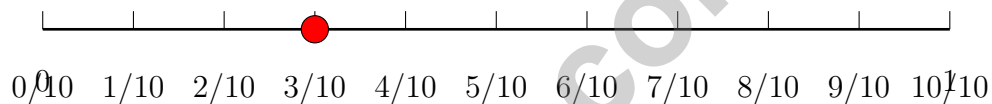
A. $\frac{2}{5}$

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

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

D. $\frac{2}{7}$

3) Look at the number line below.



What fraction is marked on the number line?

A. $\frac{3}{100}$

B. $\frac{13}{100}$

C. $\frac{3}{10}$

D. $\frac{10}{3}$

4) A race is 8,800 yards long. How many miles is this?

A. 2

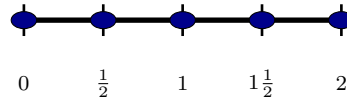
B. 3

C. 4

D. 5

5) A farm sells 2,160 eggs in cartons of 6 eggs each. How many cartons can they fill?





Number line (0 to 2)

6)

On a number line, you mark dots at 0, $\frac{1}{2}$, 1, $1\frac{1}{2}$, and 2. What does the pattern show about $4 \times \frac{1}{2}$?

A. $4 \times \frac{1}{2} = 8$

C. $4 \times \frac{1}{2} = 4$

B. $4 \times \frac{1}{2} = 2$

D. $4 \times \frac{1}{2} = 6$

7) Line segment PQ and line segment QP are: A. Different segments C. Perpendicular B. The same segment D. Parallel8) What number is equal to $30,000 + 6,000 + 500 + 20 + 8$? A. 36,285 C. 36,258 B. 36,582 D. 36,528

9) Two angles are measured: one is 55 degrees and one is 165 degrees. Which statement is true?

 A. Both angles are acute C. One is acute and one is obtuse B. Both angles are obtuse D. Both angles are right angles

10) In the number 6,663, the value of the digit 6 in the hundreds place is how many times the value of the digit 6 in the tens place?

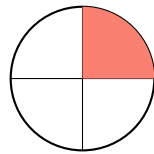
 A. 1 C. 100 B. 1,000 D. 10

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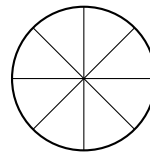
11) Chen rode his bike 18 kilometers on Saturday and 25 kilometers on Sunday. What was the total distance?

- A. 7 km C. 43 km
 B. 25 km D. 450 km

12) Two circles are the same size. The first circle shows $\frac{1}{4}$ shaded. How much of the second circle needs to be shaded to show an equivalent fraction with 8 equal parts?



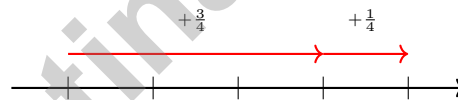
Circle 1



Circle 2

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

13) Which number line shows $\frac{3}{4} + \frac{1}{4} = 1$?



- A. Starts at 0, hops to $\frac{1}{2}$ C. Starts at $\frac{1}{4}$, hops to 1
 B. Starts at 0, hops to $\frac{3}{4}$, then to 1 D. Starts at $\frac{1}{2}$, hops to 1

14) A figure that has more than 4 lines of symmetry must be which of the following?

- A. A triangle C. A regular polygon with 5 or more sides or a circle
 B. A quadrilateral D. A square



1) Three friends recorded their reading times (in halves of an hour). Zoe: $\frac{1}{2}$, 1, $\frac{1}{2}$. Kai: 1, $\frac{3}{2}$. Jordan: $\frac{3}{2}$, $\frac{3}{2}$, 1. Who has the highest total reading time?

- A. Zoe C. Jordan
 B. Kai D. Zoe and Jordan are equal

2) School starts at 8:45 a.m. If school runs for 6 hours, what time does it end?

- A. 2:45 p.m. C. 2:45 a.m.
 B. 3:00 p.m. D. 12:45 p.m.

3) A van can carry 8 students. If there are 360 students going on a field trip, how many vans are needed?

360 students

÷ 8 students per van

Van 1 Van 2 ...

Total: ? vans

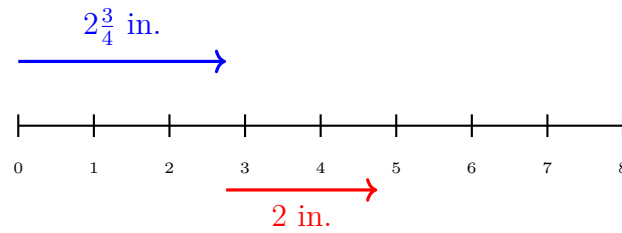
A. 45 C. 48
 B. 42 D. 40

4) Ming drew an angle. She said it measures 60° . How many one-degree angles does her angle contain?

- A. 6 one-degree angles C. 60 one-degree angles
 B. 30 one-degree angles D. 120 one-degree angles



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1)

A board has two sections. The blue section is $2\frac{3}{4}$ inches and the red section is 2 inches. What is the total length?

- A. $4\frac{1}{4}$ inches C. $4\frac{3}{4}$ inches
 B. $4\frac{2}{4}$ inches D. 5 inches

2) A class project uses $\frac{7}{8}$ of a sheet of poster board. A second project uses $\frac{3}{8}$ of a sheet. How much poster board is used for both projects?

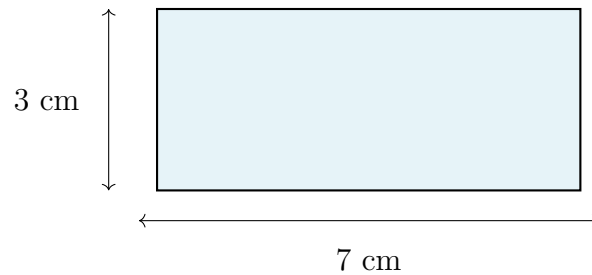
- A. $\frac{10}{8}$ C. $\frac{4}{16}$
 B. $\frac{4}{8}$ D. $\frac{10}{16}$

3) How many jumps of $\frac{1}{6}$ are needed to reach $\frac{4}{6}$?

4) How many factor pairs does 28 have?



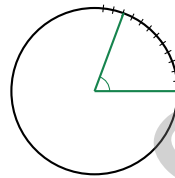
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5)

What is the area of the rectangle shown above?

- A. 10 sq cm C. 21 sq cm
 B. 20 sq cm D. 28 sq cm



6)

This angle has regular tick marks up to 70° . How many one-degree angles does it show?

- A. 7 one-degree angles C. 70 one-degree angles
 B. 14 one-degree angles D. 140 one-degree angles

7) Which number rounds to 9,000 when rounded to the nearest thousand?

- A. 8,499 C. 9,450
 B. 8,401 D. 9,600



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 A is correct.** (4.NF.B.3) The rectangle has 6 equal parts, and 4 are colored blue. So $\frac{4}{6}$ is blue, which is $\frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6}$ —four unit fractions.
- 2) **Choice A is correct.** (4.NF.B.4b) A multiple of $\frac{1}{5}$ means we count by fifths. We can write $\frac{2}{5} = 2 \times \frac{1}{5}$, so it's a multiple. The others don't fit that pattern.
- 3) **Choice C is correct.** (4.NF.C.5) The dot is at the third mark out of 10 equal marks, so it shows $\frac{3}{10}$.
- 4) **Choice D is correct.** (4.MD.A.1) Since 1 mile = 1,760 yards, divide: $8,800 \div 1,760 = 5$ miles. The answer is **5** miles.
- 5) **The correct answer is 360.** (4.NBT.B.6) Divide: $21 \div 6 = 3$ r3, bring down the 6 to get $36 \div 6 = 6$, bring down the 0 to get $0 \div 6 = 0$. The farm fills **360** cartons of eggs.
- 6) **Choice B is correct.** (4.NF.B.4b) On the number line, each jump moves forward by $\frac{1}{2}$. Four jumps starting from 0 land us at 2, showing $4 \times \frac{1}{2} = 2$.
- 7) **Choice B is correct.** (4.G.A.1) Whether you call it segment PQ or segment QP , you're describing the exact same straight path between the two points. The order doesn't matter.
- 8) **Choice D is correct.** (4.NBT.A.2) Step 1: $30,000 + 6,000 = 36,000$. Step 2: $36,000 + 500 + 20 + 8 = 36,528$ ✓
- 9) **Choice C is correct.** (4.MD.C.6) At 55° , the first angle is less than 90° , so it's acute. At 165° , the second angle is between 90° and 180° , so it's obtuse. We have one of each type. The answer is one acute and one obtuse.
- 10) **Choice D is correct.** (4.NBT.A.1) The 6 in the hundreds place is worth 600, and the 6 in the tens place is worth 60. Since $600 \div 60 = 10$, the hundreds place is 10 times greater. ✓
- 11) **Choice C is correct.** (4.MD.A.2) Chen rides 18 kilometers on Saturday and 25 kilometers on Sunday. Add: $18 + 25 = 43$ km. His total distance is **43** kilometers.
- 12) **Choice D is correct.** (4.NF.A.1) Circle 1 shows $\frac{1}{4}$. Circle 2 has 8 parts. Multiply numerator and denominator by 2: $\frac{1}{4} = \frac{1 \times 2}{4 \times 2} = \frac{2}{8}$. Shade 2 parts.
- 13) **Choice B is correct.** (4.NF.B.3) Starting at 0, the first hop goes right by $\frac{3}{4}$. The second hop adds $\frac{1}{4}$ more, landing exactly at 1. That's $\frac{3}{4} + \frac{1}{4} = 1$.
- 14) **Choice C is correct.** (4.G.A.3) Squares have 4 lines and regular hexagons have 6. Pentagons with 5 sides have 5 symmetry lines, and octagons with 8 sides have 8 lines. Circles win with infinitely many! The answer is A regular polygon with 5 or more sides or a circle.
- 15) **Choice D is correct.** (4.OA.B.4b) Try the small primes: 19 is odd (not $\div 2$); digits $1 + 9 = 10$ (not $\div 3$); doesn't end in 0 or 5 (not $\div 5$); $7 \times 2 = 14$, $7 \times 3 = 21$ (no 7). The only factors of 19 are 1 and 19 itself. *Exactly two factors* = **prime**.
- 16) **Choice B is correct.** (4.MD.C.5) One-third of the circle is $\frac{1}{3} \times 360^\circ = 120^\circ$.
- 17) **The correct answer is A, D.** (4.MD.C.7) B is wrong ($125^\circ - 50^\circ = 75^\circ$). C is wrong ($360^\circ \div 4 = 90^\circ$). E is wrong ($90^\circ - 30^\circ = 60^\circ$).
- 18) **Choice D is correct.** (4.OA.A.1) Step 1: find Liam's stickers: $7 \times 3 = 21$. Step 2: "how many *more*" is a subtraction: $21 - 7 = 14$. So Liam has **14** more stickers than Sofia.
- 19) **The correct answer is $\frac{17}{6}$.** (4.NF.B.3) Two wholes need $2 \times 6 = 12$ sixths. Add the $\frac{5}{6}$ part: $12 + 5 = 17$, so $2\frac{5}{6} = \frac{17}{6}$ ✓.
- 20) **Choice D is correct.** (4.OA.A.2) Equal groups of pencils make a multiplication picture: $4 \times ? = 32$. To find the size of each group, divide: $32 \div 4 = 8$ pencils per box.
- 21) **The correct answer is $2\frac{1}{2}$.** (4.NF.B.4b) We take 3 copies of $\frac{5}{6}$. Multiply: $3 \times \frac{5}{6} = \frac{3 \times 5}{6} = \frac{15}{6} = 2\frac{1}{2}$. The answer is **$2\frac{1}{2}$** .
- 22) **Choice C is correct.** (4.NF.B.4b) Each jump is $\frac{1}{3}$. Making 6 jumps is the same as $6 \times \frac{1}{3} = \frac{6}{3}$. Since 3 thirds make one whole, $\frac{6}{3}$ equals **2** wholes.
- 23) **Choice C is correct.** (4.MD.A.3) The table's perimeter is $P = 2(5) + 2(3) = 10 + 6 = 16$ ft.
- 24) **Choice C is correct.** (4.MD.C.5) The angle spans a measure of 60° , so it contains **60** one-degree angles.
- 25) **Choice A is correct.** (4.NF.B.3) Add the wholes: $2 + 3 = 5$. Add the fractions: $\frac{4}{10} + \frac{5}{10} = \frac{9}{10}$. The total is **$5\frac{9}{10}$** meters.



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Author's Note

From a Friend Who Believes in You

Hi, Friend!

◇ I just want to say something important: I am proud of you. You did 4 full practice tests. That takes time, hard work, and heart. ◇

★ **Friendly truth:** a test is just one part of your math journey. You are SO much more than a score. The work you did is the real win! ★

What I Want You to Know

- **You are smart.** Every test you finished proves it.
- **You are brave.** You tried hard problems.
- **You are growing.** Mistakes taught you new things.
- **You are ready.** The skills are inside you.

One more thing: on test day, take a deep breath. Smile. Remember that someone (me!) believes in you. You can do this!

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

Jay Daie

Your Math Friend

PRACTICE TODAY, SUCCEED TOMORROW!

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

With 4 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.



Track Progress

Measure growth across multiple practice tests.



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
- ✓ Geometry & Measurement
- ✓ Data, Graphs & Line Plots
- ✓ Perimeter & Area
- ✓ Patterns & Algebraic Thinking
- ✓ Word Problems
- ✓ And More!



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QUESTIONS