

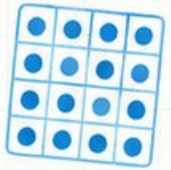
10

$$7 \times 8 = 56$$

$$\begin{array}{r} 32 \\ \times 6 \\ \hline 192 \end{array}$$



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



Louisiana

LEAP



GRADE 4

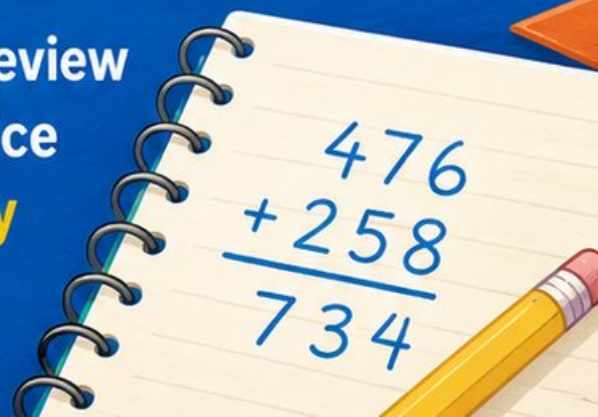


MATH

PRACTICE TESTS

Standards-Aligned Review
with Mixed Practice
and **Answer Key**

$$\begin{array}{r} 476 \\ + 258 \\ \hline 734 \end{array}$$



10 Louisiana LEAP Grade 4 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Ten 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!

Ten steady rounds on the Pelican State math route

This book gives you ten 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?

Ten tests, 300 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.
Test 10	Final round to show growth across the whole Louisiana book.
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) Solve: $\frac{1}{6} + \frac{4}{6} + \frac{1}{6} = ?$



$$\frac{1}{6} + \frac{4}{6} + \frac{1}{6} = ?$$

A. $\frac{6}{18}$

B. $\frac{6}{6}$ or 1

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

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

2) What is $4,205 \div 5$?

A. 841

B. 831

C. 821

D. 851

3) A clock shows 3 o'clock. The hour hand and minute hand form an angle. What type of angle is it?

A. Acute

B. Right

C. Obtuse

D. Straight

4) Triple $\frac{3}{4}$.

5) Ray AB starts at point:

A. Any point between A and B

B. Point B

C. Point A

D. The middle of the line

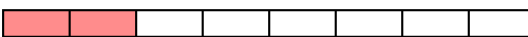


6) A digit has a value of 7,000. What is the place value of this digit?

- A. Hundreds C. Tens
 B. Ones D. Thousands

7) Which fraction bar correctly shows $\frac{3}{8}$?

Choice A 

Choice B 

Choice C 

Choice D 

- A. 3 shaded of 8 C. 3 shaded of 6
 B. 2 shaded of 8 D. 5 shaded of 8

8)



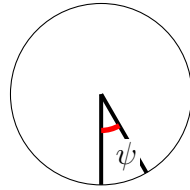
This angle shows tick marks from 0 to 18 degrees. Write the measure of this angle.

9) Round 41,449 to the nearest hundred.

- A. 42,000 C. 41,500
 B. 41,450 D. 41,400



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10)

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

- A. 20°
 C. 45°
 B. 30°
 D. 60°

11) A poster is a rectangle with a length of 11 inches and a width of 8 inches. What is its perimeter?

- A. 19 in
 C. 88 in
 B. 38 in
 D. 43 in

12) Two representations of the same improper fraction:



This shows a mixed number. Which equals this decomposition?

- A. $1\frac{3}{5} = \frac{5}{5} + \frac{3}{5}$
 C. $2\frac{1}{5} = \frac{10}{5} + \frac{1}{5}$
 B. $1\frac{2}{5} = \frac{5}{5} + \frac{2}{5}$
 D. $\frac{8}{5} = \frac{2}{5} + \frac{5}{5}$

13) What is the rule for this pattern? 9, 18, 27, 36, 45, ...

- A. Add 8
 C. Multiply by 2
 B. Multiply by 3
 D. Add 9 (multiples of 9)

1) Which pair shows factors of 24?

- A. 3 and 8
- B. 4 and 5
- C. 5 and 5
- D. 2 and 10

2) What is $3\frac{4}{6} + 1\frac{2}{6}$?

- A. $4\frac{5}{6}$
- B. $5\frac{1}{6}$
- C. 5
- D. $4\frac{2}{6}$

3) Two rays form an angle with a measure of 80° . If one part of the angle is 32° , what is the measure of the other part?

- A. 48°
- B. 50°
- C. 112°
- D. 35°

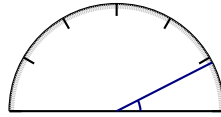
4) Which fraction equals thirty-five hundredths?

- A. $\frac{35}{10}$
- B. $\frac{3}{5}$
- C. $\frac{35}{100}$
- D. $\frac{53}{100}$

5) A school fundraiser collected \$17,890. Rounded to the nearest thousand dollars, about how much was collected?



6)



What is the measure of the angle shown?

- A. 25 degrees C. 30 degrees
 B. 27 degrees D. 32 degrees

7) A rectangle has a length of 11 feet and a width of 7 feet. What is its perimeter?

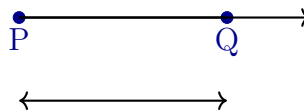
- A. 36 ft C. 54 ft
 B. 18 ft D. 77 ft

8) Maya drew a number line with hops of $\frac{1}{2}$. How many hops to go from 0 to $\frac{3}{2}$?



- A. 1 hop C. 3 hops
 B. 2 hops D. 4 hops

9) Point P is an endpoint. Point P must be part of:



- A. A line C. A ray or a line segment
 B. Only a ray D. A point only

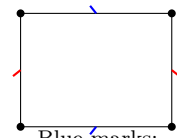


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4) Look at this angle diagram. If point M is the vertex, what are the two rays called?

- A. Lines C. Sides (or rays)
 B. Segments D. Vertices

5) Look at the shape with tick marks. The tick marks show:



Blue marks:
top/bottom
Red marks: sides

- A. Opposite sides are equal C. Adjacent sides are equal
 B. All sides are equal D. No sides are equal
- 6) What is 42×13 ?
- A. 546 C. 486
 B. 526 D. 626
- 7) In a classroom, there are 6 windows. There are 8 times as many tiles on the floor as windows. How many tiles are on the floor? If each tile costs \$2, how much do all the tiles cost in total?
- A. \$84 C. \$12
 B. \$48 D. \$96
- 8) A clock shows two times. From 12 o'clock to the minute hand's position is 54° . From that position to 6 o'clock is another 126° . What is the angle from 12 o'clock to 6 o'clock?
- A. 72° C. 126°
 B. 180° 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.B.3) The bar shows three shaded sections: $\frac{1}{6}$, $\frac{4}{6}$, and $\frac{1}{6}$. Add all three numerators: $1 + 4 + 1 = 6$ sixths = 1 whole.
- Choice A is correct.** (4.NBT.B.6) Long division: $4 \div 5 = 0$ r4, bring down the 2 to get $42 \div 5 = 8$ r2, bring down the 0 to get $20 \div 5 = 4$, bring down the 5 to get $5 \div 5 = 1$. The quotient is **841**.
- Choice B is correct.** (4.MD.C.5) At 3 o'clock, the clock hands form a perfect right angle (90 degrees).
- The correct answer is $2\frac{1}{4}$.** (4.NF.B.4b) Triple means multiply by 3. We take 3 copies of $\frac{3}{4}$: $3 \times \frac{3}{4} = \frac{9}{4} = 2\frac{1}{4}$. The answer is $2\frac{1}{4}$.
- Choice C is correct.** (4.G.A.1) When you name a ray, the first letter always tells you where it starts. Ray AB begins at A and goes through B forever.
- Choice D is correct.** (4.NBT.A.1) A value of 7,000 means $7 \times 1,000$. This is the thousands place. Answer: Thousands. ✓
- Choice A is correct.** (4.NF.B.3) In the bar, 8 equal parts total with 3 shaded. So $\frac{3}{8}$ is shown, which is three unit fractions of $\frac{1}{8}$.
- The correct answer is 18.** (4.MD.C.5) The angle spans from 0° to 18° , so it measures **18°** .
- Choice D is correct.** (4.NBT.A.3) We're rounding to the nearest hundred. Look at the tens digit: 4. Since $4 < 5$, we round DOWN. The hundreds digit stays at 4, giving us **41,400**. ✓
- Choice B is correct.** (4.MD.C.5) The angle spans from 270° to 300° , measuring 30° .
- Choice B is correct.** (4.MD.A.3) The perimeter of the poster is $P = 2(11) + 2(8) = 22 + 16 = 38$ in.
- Choice A is correct.** (4.NF.B.3) Top bar is full (one whole). Bottom bar shows $\frac{3}{5}$ shaded. Together: $1 + \frac{3}{5} = 1\frac{3}{5}$. ✓
- Choice D is correct.** (4.OA.B.4b) Check the differences: $18 - 9 = 9$, $27 - 18 = 9$. Each increases by 9 (multiples of 9). ✓
- Choice C is correct.** (4.MD.B.4) On the line plot, count the X marks stacked above $\frac{2}{8}$ inch. There are **3** X marks.
- Choice A is correct.** (4.NF.B.3) The reading challenge spans two weeks. Step 1: Add what's read both weeks: $\frac{9}{12} + \frac{2}{12} = \frac{11}{12}$. Step 2: Find what's left: $\frac{12}{12} - \frac{11}{12} = \frac{1}{12}$.
- Choice B is correct.** (4.G.A.2) A triangle has three sides and three angles. By definition, a quadrilateral must have four sides and four angles. Since a triangle does not have four sides, it is not a quadrilateral. The answer is **B**.
- Choice D is correct.** (4.NF.A.1) Multiply both top and bottom by 3: $\frac{2}{5} = \frac{2 \times 3}{5 \times 3} = \frac{6}{15}$.
- The correct answer is A, B.** (4.MD.C.6) A and B are the two correct steps: A—Place the vertex (where rays meet) at the center point. B—Align one ray with the baseline at the 0° mark. Then read where the other ray crosses the scale. C is wrong because you must check which scale starts at 0° on your angle's side. D is wrong because the scale choice matters—use the scale that starts at 0° where the angle opens. E is wrong because you use the scale on the same side, not the opposite side.
- Choice A is correct.** (4.NF.A.1) Both fractions have numerator 2. When numerators match, smaller denominators give bigger pieces. Since $3 < 5$, $\frac{2}{3} > \frac{2}{5}$.
- Choice A is correct.** (4.NF.C.5) 0.80 has 8 tenths, while 0.08 has 0 tenths (just 8 hundredths). Since 8 tenths $>$ 0 tenths, $0.80 > 0.08$. Socks cost more.
- Choice D is correct.** (4.NBT.B.5) Use partial products: $3 \times (400 + 50 + 6) = 1200 + 150 + 18 = \mathbf{1368}$.
- Choice D is correct.** (4.OA.A.1) "5 times as many" means we multiply. Leo's sister reads 5 groups of 2 books, so $5 \times 2 = 10$ books.
- Choice D is correct.** (4.OA.B.4b) Test the small primes: 43 is odd; $4 + 3 = 7$ (not $\div 3$); doesn't end in 0 or 5; $7 \times 6 = 42$, $7 \times 7 = 49$, no 7. So 43's only factors are 1 and 43—**prime**.
- Choice B is correct.** (4.NF.B.4b) Tick marks are every $\frac{1}{6}$. The 10th tick is at $10 \times \frac{1}{6} = \frac{10}{6}$.
- Choice B is correct.** (4.MD.C.7) The compass turns twice in the same direction. Add them: $78^\circ + 42^\circ = \mathbf{120^\circ}$.
- Choice C is correct.** (4.MD.A.1) Since 1 yard = 3 feet, divide: $12 \div 3 = 4$ yards. The answer is 4 yards.



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Hi, Math Pilot!

◇ 10 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. ACHIEVE TOMORROW!

This **Grade 4 Math Practice Tests** book is designed to help students build strong math skills, boost confidence, and succeed in the classroom and beyond. With 10 full-length practice tests that reflect real test formats, students get the targeted practice they need to master key concepts, improve problem-solving abilities, and achieve their goals.

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