



# 5 Louisiana LEAP Grade 4 Math Practice Tests

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



Five 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.

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# Welcome, Louisiana Math Explorer!

Five steady rounds on the Pelican State math route

This book gives you five 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?

Five tests, 150 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 3–5	Skill-building rounds with fractions, measurement, area, data, and two-step problems.
Tests 3–5	Stamina rounds for mixed review, neat work, and flexible strategies.
Answer Pages	Compact keys and explanations that show why each answer works.

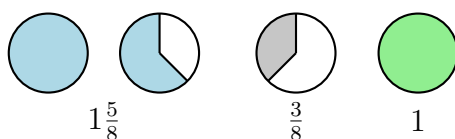
The tests are mixed on purpose. Real test readiness means recognizing the skill even when the next question changes topic.



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1)

What is the sum of the three amounts shown?

A.  $2\frac{7}{8}$

C.  $3\frac{3}{8}$

B.  $3\frac{1}{8}$

D. 3

2) Which of these statements about the letter  $R$  is correct?
 A. It has 1 line of symmetry

 C. It has no line of symmetry

 B. It has 2 lines of symmetry

 D. It has many lines of symmetry
3) Lily reads  $\frac{1}{3}$  of a book each day. How much of the book has she read after 2 days?
 A.  $\frac{1}{6}$  of the book

 C.  $\frac{2}{1}$  of the book

 B.  $\frac{2}{3}$  of the book

 D.  $\frac{4}{3}$  of the book

4) Which number sentence is incorrect?

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

C.  $5 \times \frac{1}{5} = \frac{5}{10}$

B.  $4 \times \frac{1}{6} = \frac{4}{6}$

D.  $2 \times \frac{1}{3} = \frac{2}{3}$

5) What is  $2,432 \div 8$ ?
 A. 304

 C. 324

 B. 314

 D. 334


6) Complete the comparison:  $0.2$  \_\_\_\_\_  $0.21$

A.  $>$

C.  $=$

B.  $<$

D. Cannot tell

7) Which geometric figure has exactly one endpoint?

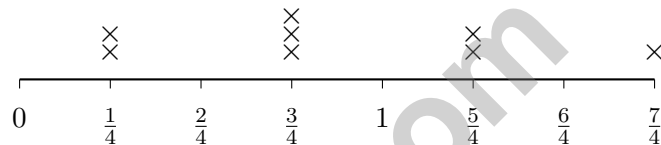
A. A line

C. A ray

B. A line segment

D. A point

8) Here is a line plot with fourths:



How many X marks are at measurements that are exactly  $\frac{3}{4}$  inch or greater?

A. 3

C. 5

B. 4

D. 6

9) Olivia uses 9 yards of string for her craft project. How many feet is this?

A. 18

C. 36

B. 27

D. 45

10) A rectangle has a width of 8 meters. The perimeter is 36 meters. What is the length?

A. 12 m

C. 18 m

B. 14 m

D. 10 m



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11) Jordan read 15 pages in his book. Sophia read 3 times as many pages as Jordan. How many pages did Sophia read?

A. 18

C. 60

B. 30

D. 45

12) A pie is cut into slices. One slice represents an angle of  $40^\circ$  and another slice represents an angle of  $60^\circ$ . If these two slices are placed together, what angle do they form?

A.  $20^\circ$

C.  $100^\circ$

B.  $60^\circ$

D.  $200^\circ$

13) Which number sentence is true?

A.  $\frac{4}{6} = \frac{6}{8}$

C.  $\frac{4}{10} = \frac{2}{5}$

B.  $\frac{3}{6} = \frac{4}{10}$

D.  $\frac{5}{8} = \frac{10}{12}$

14) Three hops of  $\frac{1}{4}$  land at what fraction?

15) Add:  $54,321 + 45,678 = ?$

A. 99,999

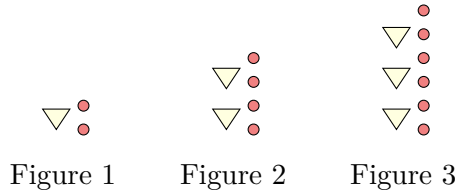
C. 99,989

B. 100,099

D. 99,899



1) A shape pattern uses triangles and dots arranged like this:



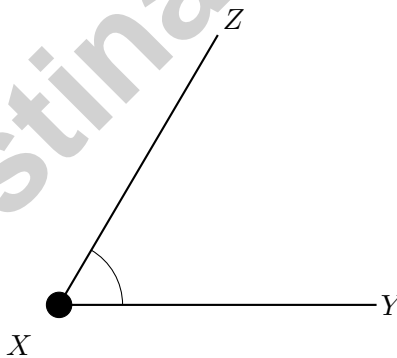
If the pattern continues, how many dots are in Figure 5?

- A. 8
- C. 12
- B. 14
- D. 10

2) Solve:  $\frac{8}{12} + \frac{3}{12} = ?$

- A.  $\frac{11}{24}$
- C.  $\frac{5}{12}$
- B.  $\frac{11}{12}$
- D.  $1\frac{2}{12}$

3)



In angle  $\angle YXZ$ , which letter names the vertex?

- A. X
- C. Z
- B. Y
- D. All three

4) How many centimeters are in 3 meters?

A. 30

B. 300

C. 3,000

D. 30,000

5) Which decimal is equal to  $\frac{35}{100}$ ?

A. 0.035

B. 0.35

C. 3.5

D. 35.0

6) Convert  $\frac{5}{10}$  to a fraction with denominator 100.

7) Which number has a 9 in the hundreds place?

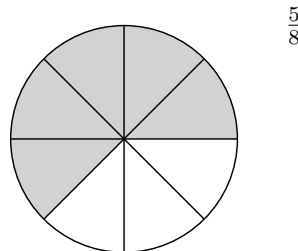
A. 9,234

B. 3,590

C. 2,019

D. 1,945

8) On a pie chart divided into 8 equal slices, how many slices represent  $\frac{5}{8}$  of the pie?



A. 2 slices

B. 3 slices

C. 5 slices

D. 8 slices



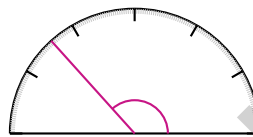
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- 1) Look at the fraction bar divided into 5 equal parts. How many unit fractions of  $\frac{1}{5}$  are shaded?



- A. 2 unit fractions                       C. 4 unit fractions  
 B. 3 unit fractions                       D. 5 unit fractions

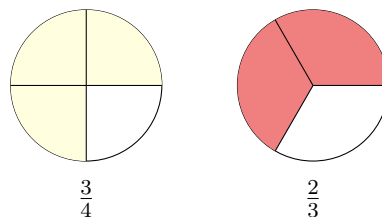
2)



What is the measure of this angle?

- A. 120 degrees                       C. 140 degrees  
 B. 132 degrees                       D. 128 degrees
- 3) Which type of angle would you find at the corner of a picture frame?
- A. Acute angle                       C. Obtuse angle  
 B. Right angle                       D. Straight angle

- 4) Look at the circles. Which fraction is greater?



- A.  $\frac{3}{4}$      C. They are equal  
 B.  $\frac{2}{3}$      D. Cannot tell



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5) A rectangle has an area of 45 square centimeters. The length is 9 centimeters. What is the width?

A. 4 cm

C. 7 cm

B. 6 cm

D. 5 cm

6) Convert  $\frac{1}{10}$  to a fraction with denominator 100.

A.  $\frac{1}{100}$

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

B.  $\frac{11}{100}$

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

7) A library has 8 shelves. Each shelf holds 45 books. The librarian removes 72 books to repair them. How many books are left on the shelves?

A. 360

C. 217

B. 432

D. 288

8) A line plot shows data in fourths. At  $\frac{1}{4}$  there are 2 X marks, at  $\frac{2}{4}$  there are 3 X marks, and at  $\frac{3}{4}$  there is 1 X mark. How many more X marks are at  $\frac{2}{4}$  than at  $\frac{3}{4}$ ?

A. 1

C. 3

B. 2

D. 4

9)

$\frac{1}{4}$  m

This tile represents  $\frac{1}{4}$  meter. How many meters do you have with 6 of these tiles?



## 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.NF.B.3) Add the wholes:  $1 + 0 + 1 = 2$ . Add the fractions:  $\frac{5}{8} + \frac{3}{8} = \frac{8}{8} = 1$ . Combine:  $2 + 1 = 3$ .
- Choice C is correct.** (4.G.A.3) The letter *R* has a curved bump on top and one slanted leg sticking out. These don't balance on either side, so no fold line creates matching halves. The answer is It has no line of symmetry.
- Choice B is correct.** (4.NF.B.4b) Lily reads  $\frac{1}{3}$  of the book each day for 2 days. Multiply:  $2 \times \frac{1}{3} = \frac{2 \times 1}{3} = \frac{2}{3}$  of the book. The answer is  $\frac{2}{3}$  of the book.
- Choice C is correct.** (4.NF.B.4b) Let's check: A:  $1 \times \frac{1}{8} = \frac{1}{8} \checkmark$ . B:  $4 \times \frac{1}{6} = \frac{4}{6} \checkmark$ . C:  $5 \times \frac{1}{5} = \frac{5}{5} = 1$ , not  $\frac{5}{10}$  —incorrect! D:  $2 \times \frac{1}{3} = \frac{2}{3} \checkmark$ .
- Choice A is correct.** (4.NBT.B.6) Long division:  $2 \div 8 = 0$  r2, bring down the 4 to get  $24 \div 8 = 3$ , bring down the 3 to get  $3 \div 8 = 0$  r3, bring down the 2 to get  $32 \div 8 = 4$ . The answer is **304**.
- Choice B is correct.** (4.NF.C.5) Rewrite 0.2 as 0.20 to see clearly. Compare:  $20 < 21$  hundredths, so  $0.2 < 0.21$ .
- Choice C is correct.** (4.G.A.1) A ray is like a beam of light from a flashlight — it starts at one point and shines forever in one direction only. A line keeps going both ways, a segment stops at both ends, and a point is just one spot with no size at all.
- Choice D is correct.** (4.MD.B.4) Count X marks at values  $\geq \frac{3}{4}$  inch. At  $\frac{3}{4}$  inch: 3 marks. At  $\frac{5}{4}$  inches: 2 marks. At  $\frac{7}{4}$  inches: 1 mark. Total:  $3 + 2 + 1 = 6$  marks.
- Choice B is correct.** (4.MD.A.1) Since 1 yard = 3 feet, multiply:  $9 \times 3 = 27$  feet. The answer is **27** feet.
- Choice D is correct.** (4.MD.A.3) Use  $P = 2\ell + 2w = 36$  with  $w = 8$ :  $2\ell + 2(8) = 36$ . Solve:  $2\ell + 16 = 36$ , so  $2\ell = 20$ , thus  $\ell = 10$  m.
- Choice D is correct.** (4.OA.A.2) "3 times as many" means multiply:  $3 \times 15 = 45$ . *Tip:*  $3 \times 10 = 30$  and  $3 \times 5 = 15$ , so  $30 + 15 = 45$  pages.
- Choice C is correct.** (4.MD.C.7) When pie slices are combined, their angles add up:  $40^\circ + 60^\circ = 100^\circ$ .
- Choice C is correct.** (4.NF.A.1) Check C: Divide both top and bottom by 2:  $\frac{4}{10} = \frac{4 \div 2}{10 \div 2} = \frac{2}{5} \checkmark$  True! The other options don't work when you simplify or check them.
- The correct answer is  $\frac{3}{4}$ .** (4.NF.B.4b) Three fourths:  $3 \times \frac{1}{4} = \frac{3}{4}$ .
- Choice A is correct.** (4.NBT.B.4) Add by place value: ones  $1 + 8 = 9$ , tens  $2 + 7 = 9$ , hundreds  $3 + 6 = 9$ , thousands  $4 + 5 = 9$ , ten-thousands  $5 + 4 = 9$ . The sum is **99,999**.
- Choice C is correct.** (4.NBT.A.1) The 7 in the thousands place is worth 7,000. The 7 in the ones place is worth 7. Since  $7,000 \div 7 = 1,000$ , the answer is **1,000** times.  $\checkmark$
- The correct answer is A, C.** (4.MD.C.5) Choice A:  $\frac{1}{4} \times 360^\circ = 90^\circ \checkmark$ . Choice C: A quarter turn is  $\frac{1}{4}$  of the circle, also  $90^\circ \checkmark$ . Choice B:  $\frac{1}{3} \times 360^\circ = 120^\circ$ . Choice D: 12 to 4 is one-third, or  $120^\circ$ . Choice E: 12 to 6 is a half turn, or  $180^\circ$ .
- Choice B is correct.** (4.NF.B.4b) Four pieces of string, each weighing  $\frac{3}{5}$  ounce, weigh  $4 \times \frac{3}{5} = \frac{12}{5}$  ounces total.
- Choice A is correct.** (4.NF.C.5) We can simplify  $\frac{20}{100}$  by dividing both numerator and denominator by 10:  $\frac{20}{100} = \frac{2}{10}$ .
- Choice D is correct.** (4.NF.B.3) Mia used 9 out of 12 pieces, so the fraction is  $\frac{9}{12}$ . This breaks into unit fractions:  $\frac{9}{12} = \underbrace{\frac{1}{12} + \frac{1}{12} + \dots + \frac{1}{12}}_{9 \text{ copies}}$ .
- Choice D is correct.** (4.OA.A.1) "2 times as long" is a multiplication signal. The length is  $7 \times 2 = 14$  feet.
- The correct answer is 75.** (4.OA.A.3) Equal rows means multiply:  $5 \text{ rows} \times 15 \text{ plants} = 75$  plants.
- Choice D is correct.** (4.NBT.A.2) The thousands digits match, so compare the hundreds place:  $100 < 200$ , therefore  $54,100 < 54,200 \checkmark$
- Choice C is correct.** (4.OA.B.4b) Divisibility rule for 2: the last digit must be even. 91 ends in 1—odd—so it's *not* divisible by 2. The others (78, 84, 96) all end in even digits.
- Choice C is correct.** (4.NF.B.3) Check each: A equals  $\frac{4}{5}$  (less), B equals  $\frac{4}{3}$  (more), C equals **1**, D equals  $\frac{5}{4}$  (more). Only C =  $\frac{5}{6} + \frac{1}{6} = 1$ .



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**From Your Math Family**

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**Hi, Math Family Member,**

◇ Welcome to a special note from your math family. You finished 5 full practice tests, and that hard work matters more than any score. We see you. We are proud of you. ◇

★ **Our math family knows:** math is a journey. You have taken many steps already. The test is just one stop. Every skill you built is yours forever. ★

**What Your Math Family Sees**

- **Hard Work:** You keep showing up.
- **Real Growth:** You can do problems today you couldn't before.
- **Brave Heart:** You face hard problems with brave thinking.
- **Bright Future:** Your math journey is just beginning.

**Family tip:** on test day, picture us standing behind you, smiling and rooting for you. You are not alone. Your math family is with you!

If you want to share something or ask a question, please email me at [jay@testinar.com](mailto:jay@testinar.com).

**Jay Daie**

Your Math Family

# 5 PRACTICE TESTS. BUILD SKILLS. BOOST CONFIDENCE!

This **Grade 4 Math Practice Tests** book is designed to help students master essential math concepts, improve problem-solving skills, and build the confidence they need to excel.

With 5 full-length practice tests, a variety of question types, and detailed answer explanations, students get the practice they need to understand math, strengthen critical thinking, and perform their best on test day and beyond.

Ideal for classroom use, homework, test preparation, and extra practice at home.

## PERFECT FOR:

- ✓ Classroom Practice
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- ✓ Independent Learning
- ✓ Test Preparation
- ✓ Skill Reinforcement
- ✓ Confidence Building

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SUCCESS TOMORROW!

## WHAT STUDENTS WILL GAIN



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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.



### Master Key Concepts

Reinforce important skills aligned with grade-level standards.



### Prepare for Success

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## TOPICS COVERED

- ✓ Place Value & Number Sense
- ✓ Addition & Subtraction
- ✓ Multiplication & Division
- ✓ Fractions & Equivalent Fractions
- ✓ Decimals
- ✓ Geometry & Measurement
- ✓ Perimeter & Area
- ✓ Data, Graphs & Line Plots
- ✓ Patterns & Algebraic Thinking
- ✓ Word Problems
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5 Full-Length Practice Tests



Standards-Aligned



Build Confidence and Skills



Mixed Question Types



Answer Key Included

A+