

8

Louisiana

LEAP

GRADE 3

MATH

PRACTICE TESTS

Standards-Aligned Review with
Mixed Practice and Answer Key



8 Full-Length
Practice Tests



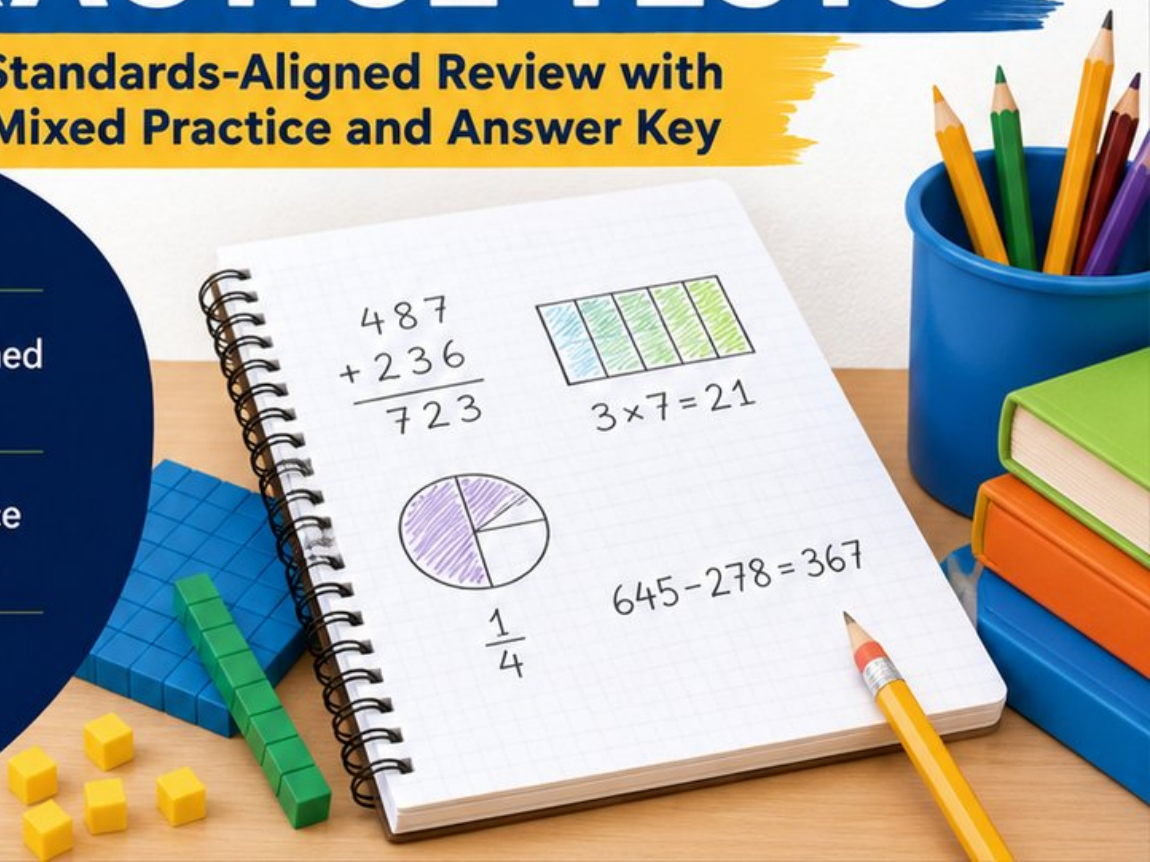
Standards-Aligned
Questions



Build Confidence
and Math Skills



Answer Key
Included



8 Louisiana LEAP Grade 3 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Eight complete 30-question practice rounds for Grade 3 math: operations, fractions, measurement, data, area, shapes, answer keys, and clear explanations for every item.

Jay Daie and Reza Nazari



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Louisiana, Your Eight-Test Math Path Begins

Eight focused rounds, one stronger Grade 3 problem solver

This book gives you eight full chances to practice like a careful test taker for the Louisiana LEAP. Each test is a new route through numbers, shapes, data, measurement, and word problems. Work slowly enough to notice what the question asks, and proudly enough to show your thinking.

Louisiana has bayou routes, levees, music blocks, Gulf Coast maps, and lively classroom talk, where careful steps matter. Strong math follows that same path: notice the question, choose a tool, show the work, and read every label before solving.

Your Louisiana Math Promise

I will read the whole question, choose a smart strategy, write clear work, and check whether my answer makes sense.

Eight rounds. Thirty questions each. One careful step at a time.

How to Use This Book

A simple eight-round routine for confident review

Use this Louisiana book as a practice plan, not a race. Finish one test, review it, fix a few problems, then carry one better habit into the next test.

1. **Preview the reference page.** Notice units, time, and measurement facts before you begin.
2. **Take one full test.** Circle anything that feels tricky so you can return to it.
3. **Check the answer key.** Mark correct answers and questions to try again.
4. **Read explanations.** Study missed items and lucky guesses first.
5. **Redo three problems.** Write fresh work without copying the explanation.
6. **Name one habit.** Pick a focus such as labels, facts, fractions, or neat work.
7. **Try the next test.** Bring that habit forward.
8. **Finish with a final check.** Look for growth across all eight tests.

Best review habit: In Louisiana, strong practice means slowing down enough to see the clue. When an answer is wrong, ask, “What step would I change next time?”



What Is Inside the Eight Tests?

Mixed Grade 3 math practice for the LEAP

Each practice test has 30 questions. You will see multiple-choice questions, select-all questions, and open-ended questions with workspace. The mix helps students practice both choosing an answer and explaining a short mathematical result.

Part	What to Expect
Eight full tests	30 mixed Grade 3 questions in each round
Math topics	multiplication, division, place value, fractions, time, measurement, data, area, perimeter, and shapes
Answer keys	compact answer boxes for quick checking
Explanations	short reasoning for every item so mistakes become useful review
Progress pages	places to record scores, habits, and next-step goals

Louisiana focus: The practice path starts with bayou routes, levees, music blocks, Gulf Coast maps, and lively classroom talk. Strong math uses the same idea: know the path, follow the clues, and check the final answer.



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& answers

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5) Look at the pattern for multiples of 7:

7, 14, 21, 28, 35, 42, 49, ...

Without counting, which number should come next?

A. 54

C. 56

B. 55

D. 57

6) A rectangle is 10 units long and 2 units wide. What is its area?

A. 20 sq units

C. 30 sq units

B. 12 sq units

D. 40 sq units

7) A picture graph shows pencils. Each pencil symbol means 5 pencils. Maya has 4 symbols. How many pencils does Maya have?

A. 9

C. 20

B. 15

D. 25

8)

Container	Volume
Bottle	750 mL
Jug	2 L
Glass	250 mL
Cup	200 mL

Which container holds the most liquid?

A. Bottle

C. Glass

B. Jug

D. Cup



2	1	6
hundreds	tens	ones

9)

The place-value chart shows the number 216. What is $216 + 384$?

 A. 600 C. 500 B. 601 D. 610

- 10) A line plot shows test scores: 80 points twice, 81 points once, 82 points once, and 83 points three times. How many scores occur exactly once?



- 11) Which fraction equals $\frac{1}{2}$?

 A. $\frac{2}{3}$ C. $\frac{4}{8}$ B. $\frac{3}{4}$ D. $\frac{3}{8}$

- 12) Maria has 56 cookies. She puts them equally into 7 boxes. How many cookies go in each box?

 A. 7 cookies C. 49 cookies B. 63 cookies D. 8 cookies

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1) Ava earns \$8 per hour. She works for some number of hours and earns \$56. Which division equation helps find how many hours she worked?

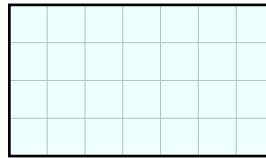
A. $56 \div 8 = \square$

C. $56 + 8 = \square$

B. $8 \times \square = 56$

D. $56 - 8 = \square$

2) This shape is made of unit squares arranged in rows.



Count the total unit squares. What is the area?

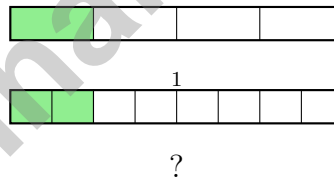
A. 11 sq units

C. 22 sq units

B. 28 sq units

D. 35 sq units

3) Look at the bars. Match the fractions.



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

C. $\frac{2}{8}$

B. $\frac{2}{4}$

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

4) Two identical paper strips are shown. Strip X has 4 equal parts with 3 shaded. Strip Y has 8 equal parts with 6 shaded. Do they show the same shaded fraction?

A. The strips are different sizes.

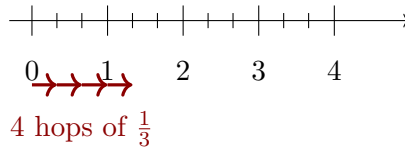
C. Yes, same fraction.

B. No, Strip Y is more.

D. No, Strip X is more.



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5)

A frog makes 4 hops, each of size $\frac{1}{3}$, starting at 0 on a number line from 0 to 4 divided into thirds. Where does the frog end up?

- A. $\frac{3}{3}$ (at 1)
 C. $\frac{1}{3}$ (before 1)
- B. $\frac{4}{3}$ (between 1 and 2)
 D. $\frac{7}{3}$ (past 2)

6) A square is 8 units on each side. A rectangle is 4 units by 16 units. Compare their areas. Which statement is true?

- A. The square has more area
 C. They have exactly the same area
- B. The rectangle has more area
 D. The square is longer

7) A rectangle is divided with 3 vertical lines making 4 equal columns. How many parts is the rectangle divided into?



- A. 2 parts
 C. 3 parts
- B. 5 parts
 D. 4 parts



1) Two buckets hold water. Bucket A holds 4000 mL and Bucket B holds 2500 mL. How much more water does Bucket A hold?

A. 1000 mL

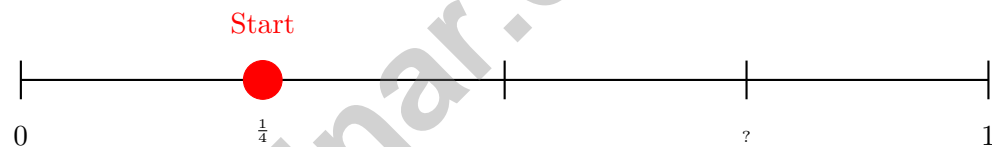
C. 2000 mL

B. 1500 mL

D. 4000 mL

2) A bar graph shows inches of rainfall. Each unit on the scale represents 10 inches. If a bar is 3 units tall, how many inches of rainfall does it represent?

3) Start at $\frac{1}{4}$ on a number line from 0 to 1 with 4 equal parts. Move 2 parts to the right. Where do you land?



A. $\frac{2}{4}$

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

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

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

4) What number makes the equation true?

$$\square \div 6 = 4$$

A. 20

C. 26

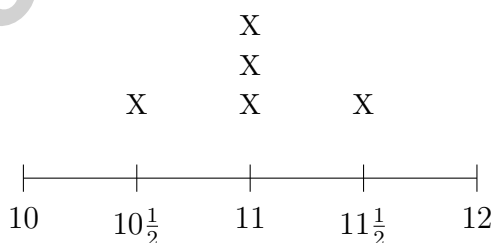
B. 22

D. 24



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& answers

- 5) Two numbers round to 300 when rounded to the nearest 100. Which pair could they be?
- A. 250 and 350 C. 251 and 349
 B. 249 and 299 D. 350 and 400
- 6) Which pair of rectangles cannot be tiled to show a distributive property?
- A. 5×6 and 5×2 C. 3×5 and 2×4
 B. 4×8 and 4×3 D. 7×9 and 7×1
- 7) Ava buys 4 packs of crayons with 9 crayons in each pack. She already has 7 crayons. Let c be the total number of crayons. Which equation shows how to find c ?
- A. $c = 4 + 9 + 7$ C. $c = 4 \times 9 \times 7$
 B. $c = 9 + 7 - 4$ D. $c = (4 \times 9) + 7$
- 8) A rectangular floor needs 6 rows of tiles with 9 tiles in each row. How many tiles are needed in total?
- A. 15 C. 36
 B. 54 D. 69
- 9) Eli's line plot shows string lengths in inches: 10, $10\frac{1}{2}$, 11, $11\frac{1}{2}$, 12.



How many strings are 11 inches long?

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



Practice Test Answer Keys

How to use this section with a Grade 3 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.** **(3.OA.A.3)** Divide: $36 \div 4 = 9$ pounds per animal.
- 2) **Choice B is correct.** **(3.MD.C.7b)** Area = length \times width = $4 \times 2 = 8$ square centimeters. Choice A (6) is the sum; C (4) is one dimension; D (12) is 4×3 .
- 3) **Choice A is correct.** **(3.MD.C.7c)** Both rectangles must have the same dimension (width 5) so they share a side when tiled together.
- 4) **Choice A is correct.** **(3.NF.A.3a)** Both fractions equal one-half and represent the same point on a number line.
- 5) **Choice C is correct.** **(3.OA.D.9)** Add 7 to 49 to get 56. Multiples of 7 always increase by 7.
- 6) **Choice A is correct.** **(3.MD.C.5b)** $10 \times 2 = 20$ square units.
- 7) **Choice C is correct.** **(3.MD.B.3)** Multiply: $4 \times 5 = 20$ pencils.
- 8) **Choice B is correct.** **(3.MD.A.2)** 2 L = 2000 mL is the largest volume.
- 9) **Choice A is correct.** **(3.NBT.A.2)** Ones: $6 + 4 = 10$ (write 0, carry 1). Tens: $1 + 8 + 1 = 10$ (write 0, carry 1). Hundreds: $2 + 3 + 1 = 6$. Answer: 600.
- 10) **The correct answer is 2 scores.** **(3.MD.B.4)** The scores 81 and 82 points each occur once, so there are 2 scores occurring exactly once.
- 11) **Choice C is correct.** **(3.NF.A.3b)** Multiply numerator and denominator by 4: $\frac{1 \times 4}{2 \times 4} = \frac{4}{8}$.
- 12) **Choice D is correct.** **(3.OA.C.7)** $56 \div 7 = 8$ cookies in each box. Verify: $8 \times 7 = 56$. Distractors: C is $56 - 7$; D is 7×9 .
- 13) **Choice C is correct.** **(3.NBT.A.3)** 3 packages of 40 cars = $3 \times 40 = 120$ cars. Multiply $3 \times 4 = 12$, then add one zero.
- 14) **Choice B is correct.** **(3.MD.C.5)** Multiply length by width: $9 \times 5 = 45$ square meters.
- 15) **Choice A is correct.** **(3.OA.A.2)** Division and multiplication are inverse operations. Since $2 \times 5 = 10$, then $10 \div 2 = 5$.
- 16) **Choice D is correct.** **(3.MD.A.1c)** Both the hour and minute hands point straight up (at 12) only at 12:00.
- 17) **Choices A and B are correct.** **(3.NF.A.2)** $\frac{2}{6} = \frac{1}{3}$ because $\frac{2}{6}$ simplifies to $\frac{1}{3}$. They represent the same point, one-third of the way from 0 to 1. The other choices name different points.
- 18) **Choice D is correct.** **(3.OA.A.4)** Divide: $32 \div 4 = 8$ stickers per friend.
- 19) **Choice C is correct.** **(3.MD.C.5a)** A unit square with side length 1 cm has area $1 \text{ cm} \times 1 \text{ cm} = 1 \text{ cm}^2$.
- 20) **Choice A is correct.** **(3.NF.A.3d)** Both fractions equal one whole. Two halves and three thirds both fill the entire bar.
- 21) **The correct answer is 0 right angles.** **(3.G.A.1)** A trapezoid can have no right angles.
- 22) **Choice C is correct.** **(3.MD.C.5)** Upper part: $6 \times 3 = 18$ sq units. Lower part: $4 \times 2 = 8$ sq units. Total: $18 + 8 = 26$ sq units.
- 23) **Choice C is correct.** **(3.OA.B.5)** Option C shows the commutative property (switching order), not the associative property (changing groups).
- 24) **Choice D is correct.** **(3.OA.B.6)** $32 \div 4 = \square$ means $\square \times 4 = 32$. Since $8 \times 4 = 32$, each box has 8 cars.
- 25) **Choice C is correct.** **(3.NBT.A.1)** For 567: ones digit is $7 \geq 5$, so it rounds up to the nearest 10, which is 570.
- 26) **Choice A is correct.** **(3.NF.A.2a)** The first and only tick mark on a line divided into 2 parts is at $\frac{1}{2}$.
- 27) **Choice B is correct.** **(3.G.A.2)** Two horizontal and two vertical lines create 6 equal parts, not 4.
- 28) **Choice B is correct.** **(3.MD.C.7)** The grid has 3 columns and 6 rows. Area = $3 \times 6 = 18$ square units. You can also add: $3 + 3 + 3 + 3 + 3 + 3 = 18$ (six rows of three).
- 29) **The correct answer is 10.** **(3.OA.D.8)** First divide: $96 \div 8 = 12$ stickers in each group. Then subtract the stickers used: $12 - 2 = 10$ stickers left in one group.
- 30) **Choice C is correct.** **(3.NF.A.3c)** 16 fourths $\div 4$ fourths per whole = $16 \div 4 = 4$ wholes.

Practice Test 2 Answers and Explanations



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Star Player Pep Talk

Hi, Star Player!

◇ 8 practice tests. Every one of them was a chance to grow. You took every chance. That's why you're a math star today! ◇

★ **Star players know:** confidence comes from practice. You can't fake it. You build it. You built yours over 8 tests. It's real now! ★

Star Player Stats

- **Practice:** OFF THE CHARTS!
- **Skills:** BROAD! You can do many problem types.
- **Toughness:** HIGH! You don't quit on hard problems.
- **Game Plan:** READY! You know your strategies.

Star tip: on test day, take it one play at a time. One problem. Then the next. You will earn your stars!

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

Jay Daie

Your Math Coach

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PRACTICE TODAY. MASTER TOMORROW.

This book is designed to help **Grade 3** students strengthen their math skills through focused practice and real progress.

- ✓ 8 full-length practice tests
- ✓ Aligned to Grade 3 standards
- ✓ Build confidence and achieve success



EACH PRACTICE TEST INCLUDES:



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Aligned
Questions



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Question
Types



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Math
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- ✓ Number Patterns
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