

3

Louisiana

LEAP

GRADE 3

MATH

PRACTICE TESTS

Standards-Aligned
Practice for Stronger
Math Skills and
Test Readiness



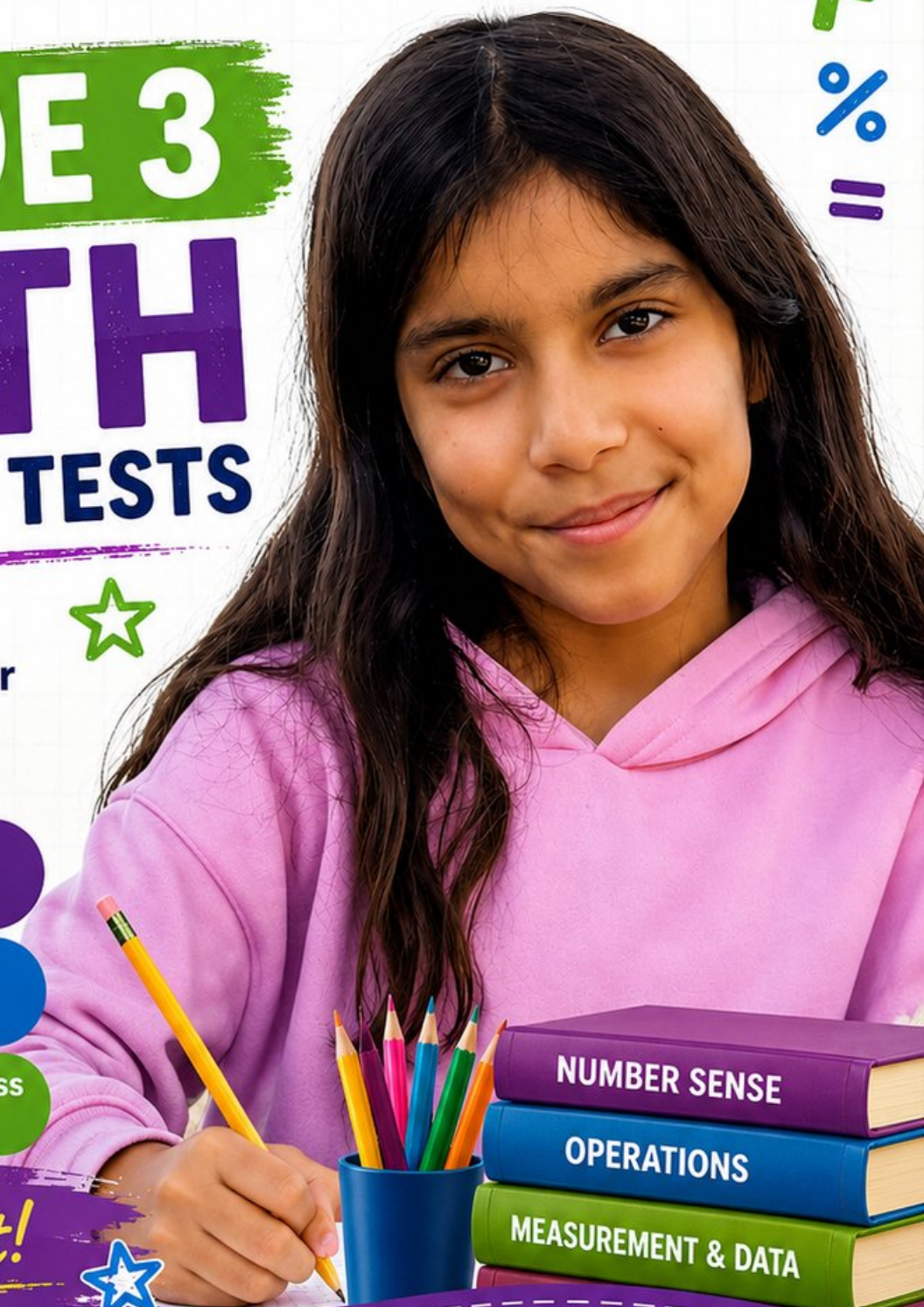
Build Confidence
with Targeted Practice



Strengthen Skills
in Key Math Concepts



Improve Test Readiness
with Realistic Practice



Be Ready.
Do Your Best!



3 Louisiana LEAP Grade 3 Math Practice Tests

Standards-Aligned Practice for Stronger Math Skills and Test Readiness



Three 30-question trail tests packed with Grade 3 review, Louisiana LEAP strategy tips, answer keys, and step-by-step explanations that turn every miss into the next move.

Jay Daie and Reza Nazari



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Welcome to the Louisiana Math Trail

Three tests, one trail, and a stronger Grade 3 thinker at the end



To the Grade 3 Trail Scout

This book is your practice trail for the Louisiana LEAP. You will multiply and divide, read graphs, work with fractions, measure time, find area, and explain your thinking – one trail marker at a time.

Some problems will feel quick, like a clear stretch of wide open trail. Some will ask you to slow down, draw, count, or try again. That slow part is where strong math grows. Every page gives your brain another chance to spot, choose, and build.

Spot

Read carefully and find what the problem is really asking.

Sketch

Use numbers, arrays, number lines, or labels to make your thinking visible.

Signal

Check that your answer makes sense before you wave the next question on.

Trail promise: I will read like a tracker, sketch like a planner, and check like a careful scout. I do not have to be perfect to keep moving forward.

How to Use This Book

A four-step trail plan that turns practice into progress

Step 1: Pack Your Pack

Read the Quick Review first.
Wake up the Grade 3 ideas you will need before you set foot on the trail.

Step 2: Hit the Trail

Take one full test.
Thirty questions. Pencil sharp, work shown, calm pace – one marker at a time.

Step 3: Campfire Check

Check answers honestly.
Circle missed questions. Star any problem that felt confusing – those are tomorrow’s clues.

Step 4: Track Back

Fix a few mistakes.
Read the explanation, rework the problem, and carry that lesson up the next stretch of trail.

A Three-Week Trail Plan

Week 1	Hike Test 1. Map what feels strong and what needs a second look.
Week 2	Hike Test 2. Sharpen the habits: read slow, sketch the model, label every number.
Week 3	Hike Test 3. Bring everything – facts, models, checks, and calm focus.

Best trail habit: Do not only ask, “What did I score?” Ask, “What did I learn how to do better?”



Test Overview

What waits on the trail and what each practice test builds

Each practice test has 30 questions. Together they walk you through the kind of math thinking the Louisiana LEAP asks Grade 3 students to use: read carefully, choose a strategy, show work, and check whether an answer makes sense.

Selected-Response Questions

Pick the best answer from the choices. Strong scouts estimate first, cross out answers that cannot be right, and reread the question before circling.

Open-Ended Questions

Write the answer and show the thinking. A clear response uses neat numbers, helpful labels, and a short model or explanation.

Grade 3 Ideas You Will Meet on the Trail

- multiplication, division, arrays, equal groups, and fact fluency
- rounding, adding, subtracting, and multiplying by multiples of 10
- fractions, number lines, equivalent fractions, and comparing fractions
- time, mass, liquid volume, picture graphs, bar graphs, and line plots
- area, perimeter, unit squares, rectangles, and shapes
- two-step word problems and explaining a solution path

What strong LEAP work looks like: the scout reads the whole problem, picks a sensible strategy, writes numbers neatly, labels the answer, and checks that the answer truly fits the question.



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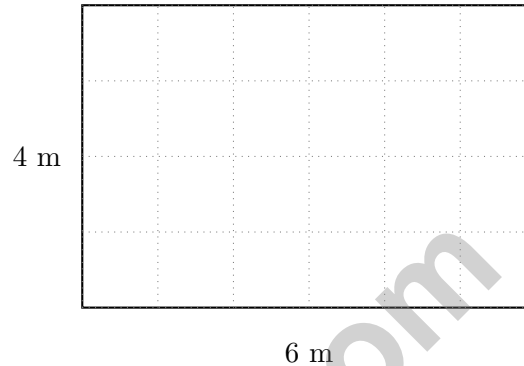
Table of Contents

★ Practice Test 1	_____	17
★ Practice Test 2	_____	29
★ Practice Test 3	_____	41
Practice Test Answer Keys	_____	52
Practice Test Answers and Explanations	_____	55

1) Sam solved this problem: $\square \times 8 = 56$. He wrote the answer $\square = 7$. Is his answer correct?

- A. Yes, because $7 \times 8 = 56$.
 B. No, the correct answer is 6.
 C. No, the correct answer is 8.
 D. No, the correct answer is 9.

2) A rectangular rug is 6 meters long and 4 meters wide. What is the area of the rug?



- A. 10 sq m
 B. 24 sq m
 C. 20 sq m
 D. 12 sq m

3) Ben says that a circle divided into 6 equal parts has each part as $\frac{1}{5}$. Is this correct?

- A. Yes, because $6 - 1 = 5$
 B. No, each part is $\frac{1}{6}$
 C. Yes, because 5 is a unit fraction
 D. No, the circle must have 5 parts

4) A rectangle has length 8 cm and width 5 cm. What is its perimeter?

- A. 13 cm
 B. 26 cm
 C. 40 cm
 D. 80 cm

5) Eli eats breakfast at 7 : 33 AM. He eats lunch 3 hours and 17 minutes later. What time does Eli eat lunch?

- A. 10 : 30 AM
 B. 10 : 45 AM
 C. 11 : 00 AM
 D. 10 : 50 AM



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6) A room is shaped like a rectangle. It is 6 meters long and 5 meters wide. What is the area of the room?

A. 30 sq m

C. 11 sq m

B. 22 sq m

D. 36 sq m

7) What fraction is the third tick on a number line split into 4 equal parts?



8) A composite figure is divided into two parts. Part A is 8 units by 4 units. Part B is 6 units by 2 units. What is the total area?

A. 44 sq units

C. 32 sq units

B. 12 sq units

D. 384 sq units

9) Which shape would require 4 unit squares and has equal side lengths?

A. A 2×2 square

C. A 1×4 rectangle

B. A 4×1 rectangle

D. A 3×2 rectangle

10) Ben is building a rectangular frame that is 8 units long and 4 units wide. What is the area he needs to fill?

A. 12 sq units

C. 24 sq units

B. 32 sq units

D. 64 sq units



- 1) On a number line from 0 to 1 with 3 equal parts, which fraction is NOT a tick mark?

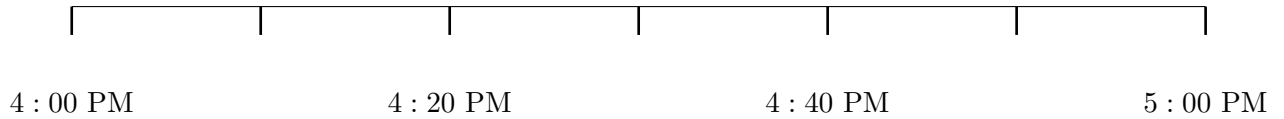


- A. $\frac{1}{3}$ C. $\frac{3}{3}$
 B. $\frac{2}{3}$ D. $\frac{1}{4}$
- 2) Find $48 \div 6$.
-
- 3) What number makes the equation true?
- $\square \times 5 = 35$
- A. 9 C. 6
 B. 8 D. 7
- 4) There are 18 apples in a basket. 7 apples are eaten. Then 4 new apples are added. How many apples are in the basket now?



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5) Look at the number line. What times are shown?



How many minutes elapse from 4 : 00 PM to 4 : 40 PM?

- | | |
|--|--|
| <input type="checkbox"/> A. 40 minutes | <input type="checkbox"/> C. 20 minutes |
| <input type="checkbox"/> B. 30 minutes | <input type="checkbox"/> D. 50 minutes |

6) Look at the fraction bars. Are $\frac{3}{6}$ and $\frac{1}{2}$ equivalent?



- | | |
|---|---|
| <input type="checkbox"/> A. Yes, both show half | <input type="checkbox"/> C. No, $\frac{1}{2}$ is larger |
| <input type="checkbox"/> B. No, $\frac{3}{6}$ is larger | <input type="checkbox"/> D. Cannot tell from the bars |

7) Find the missing number: $? + 256 = 781$. What is the missing addend?

8) A pet store has 9 cages. Each cage has 5 rabbits. Which equation can be used to find the total number of rabbits?

- | | |
|---|--|
| <input type="checkbox"/> A. $9 + 5 = 14$ | <input type="checkbox"/> C. $5 + 5 = 10$ |
| <input type="checkbox"/> B. $9 \times 5 = 45$ | <input type="checkbox"/> D. $9 - 5 = 4$ |

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 builds stronger math habits.

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Practice Test Answers and Explanations

Practice Test 1 Answers and Explanations

- Choice A is correct.** **(3.OA.A.4)** We can check: $7 \times 8 = 56$. Sam is correct.
- Choice B is correct.** **(3.MD.C.7b)** Area = length \times width = $6 \times 4 = 24$ square meters. Choice A (10) is the sum; C (20) is 4×5 miscomputation; D (12) is 6×2 .
- Choice B is correct.** **(3.NF.A.1)** When a circle is divided into 6 equal parts, each part is $\frac{1}{6}$, not $\frac{1}{5}$. Ben miscounted the total number of parts.
- Choice B is correct.** **(3.MD.D.8)** Perimeter = $2\ell + 2w = 2(8) + 2(5) = 16 + 10 = 26$ cm.
- Choice D is correct.** **(3.MD.A.1c)** $7 : 33 + 3$ hours = $10 : 33$. Then $10 : 33 + 17$ min = $10 : 50$ AM.
- Choice A is correct.** **(3.MD.C.7)** Area = $6 \times 5 = 30$ square meters.
- The correct answer is $\frac{3}{4}$.** **(3.NF.A.2)** The third tick out of 4 equal parts is $\frac{3}{4}$.
- Choice A is correct.** **(3.MD.C.5)** Part A: $8 \times 4 = 32$ sq units. Part B: $6 \times 2 = 12$ sq units. Total: $32 + 12 = 44$ sq units.
- Choice A is correct.** **(3.MD.C.5a)** A 2×2 square uses 4 unit squares and has equal side lengths. Choices B and C also use 4 unit squares but are not squares with equal side lengths. Choice D uses 6 unit squares.
- Choice B is correct.** **(3.MD.C.5b)** $8 \times 4 = 32$ square units.
- Choice B is correct.** **(3.MD.C.7a)** Square: $5 \times 5 = 25$ tiles. Equal row and column count.
- Choice C is correct.** **(3.MD.B.4)** Count all X's on the plot: $4 + 0 + 2 + 1 = 7$ items total. (0 items appear at $5\frac{1}{2}$ since there are no X's there.)
- Choice D is correct.** **(3.NBT.A.3)** Skip count by 10s: 10, 20, 30. There are 3 groups of 10 stars, so $3 \times 10 = 30$ stars total.
- The correct answer is $\frac{1}{2}$.** **(3.NF.A.2a)** The first tick is halfway, or $\frac{1}{2}$.
- Choice D is correct.** **(3.OA.B.5)** $4 \times 6 = 24$ and $4 \times 3 = 12$, so $24 + 12 = 36$. The distributive property shows $4 \times (6 + 3) = 4 \times 6 + 4 \times 3 = 36$.
- Choice D is correct.** **(3.NBT.A.2)** Ones: $1 - 9$ requires regrouping, so $11 - 9 = 2$. Tens: after regrouping, $4 - 2 = 2$. Hundreds: $7 - 3 = 4$. The correct answer is 422, so $751 - 329 = 412$ is incorrect.
- Choices A and B are correct.** **(3.MD.A.2)** Choices A and B are both true. Choice C is false: 2500 g is greater than 2000 g. Choice D requires unit conversion (not Grade 3). Choice E is false: 750 mL is less than 1000 mL.
- Choice B is correct.** **(3.G.A.2)** Half of four equal parts is 2 parts, which is $\frac{2}{4}$.
- Choice B is correct.** **(3.OA.C.7)** $72 \div 8 = 9$ because $9 \times 8 = 72$. Division and multiplication are related. Choice D (64) is 8×8 , a common mistake.
- Choice D is correct.** **(3.OA.B.6)** Finding the missing factor: $6 \times 8 = 48$. This is the same as asking $48 \div 8 = \square$. We think: what times 8 makes 48? The answer is 6 because $6 \times 8 = 48$.
- Choice B is correct.** **(3.NBT.A.1)** Numbers from 45 to 54 round to 50. Choice A (48) rounds to 50, but is not between 50–60. Choice B (52) is in range 50–60 and rounds to 50 (ones digit $2 < 5$). Choice C (56) rounds to 60. Choice D is 60 itself, rounds to 60.
- Choice A is correct.** **(3.NF.A.3)** $\frac{1}{4}$ and $\frac{2}{8}$ both show one-quarter of a whole.
- Choice D is correct.** **(3.NF.A.3a)** (i) $\frac{1}{3}$ and (iv) $\frac{2}{6}$ are equivalent because $\frac{2}{6} = \frac{1}{3}$. Both show one-third shaded.
- Choice D is correct.** **(3.OA.D.9)** Even \times even = even, and even \times odd = even. Only odd \times odd = odd.
- Choice B is correct.** **(3.NF.A.2b)** $\frac{5}{6}$ means $5 \times \frac{1}{6}$, so there are 5 equal steps from 0. Distractor A: distance to 1 is $\frac{1}{6}$, which is 1 part, not 1 tick per se (ambiguous). Distractor C: false; $\frac{5}{6}$ is much closer to 1. Distractor D: false; it is at the 5th tick.
- Choice B is correct.** **(3.MD.B.3)** Remaining hearts: $8 - 3 = 5$. Convert to stickers: $5 \times 2 = 10$ stickers.
- Choice A is correct.** **(3.MD.C.7c)** The width is 4 for both parts. The heights are 7 and 5, split by a horizontal line.
- The correct answer is $\frac{3}{1}$.** **(3.NF.A.3c)** $3 = \frac{3}{1}$.
- Choice D is correct.** **(3.OA.A.3)** Multiply: 3 tables \times 9 children per table = 27 children.



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Hi, Hero!

◇ Once there was a Grade 3 student who took 3 practice tests. At first, the math was tricky. But this student kept showing up, kept trying, and kept learning. By the end, the student became a math hero. That hero is you! ◇

★ **Storytellers know:** every story has a hard middle. The hard middle is where heroes grow. You lived your hard middle. Your story ends with confidence! ★

Your Hero Toolkit

- **Brave Heart:** You try hard problems.
- **Sharp Mind:** You think carefully before you act.
- **Steady Hand:** You write neatly and check.
- **Kind Spirit:** You are patient with yourself.

Storyteller tip: on test day, remember the hero you became. The chapters before today made you stronger. Now write your best chapter!

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

Jay Daie

Your Math Storyteller

3 GRADE 3 MATH PRACTICE TESTS

Practice Today. *Succeed* Tomorrow!



Give your child the tools to build strong math skills and test confidence!

This book includes 3 full-length Grade 3 Math practice tests that mirror real test formats and cover all key math standards. With a wide range of question types and real-world problems, students will gain the practice and confidence they need to do their best!

What's Inside?



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Questions designed to cover essential Grade 3 math standards.



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Multiple-choice, short answer, and more to build well-rounded skills.



Real-World Applications

Engaging problems that connect math to everyday life.



Step-by-Step Progress

Track improvement and build confidence with every test.



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Strengthen understanding and feel prepared for test day.

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- ✓ Algebraic Thinking
- ✓ Geometry
- ✓ Measurement & Data
- ✓ Number Patterns
- ✓ Word Problems
- ✓ Ratio & Proportion
- ✓ Perimeter, Area & Volume
- ✓ Graphing & Data Analysis
- ✓ And More!



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