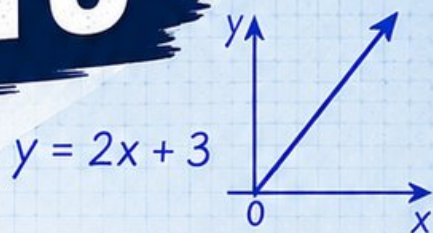


# 3 Louisiana LEAP

GRADE  
**6**  
MATH

## PRACTICE TESTS

Standards Aligned Problem Solving  
For Comprehensive Assessment Programs



$$\frac{3}{5} + \frac{2}{10} = \frac{8}{10} = \frac{4}{5}$$

$36\% \text{ of } 150 = ?$



**3** | PRINTED  
TESTS



**2** | ONLINE  
TESTS



Build  
Confidence



Master Key  
Math Skills



Answer Explanations  
for Every Question



Test-Taking  
Strategies That Work

# 3 Louisiana LEAP Grade 6 Math Practice Tests

*Standards-Aligned Bayou-Strong Reasoning for Louisiana Educational Assessment Program*



Three complete 40-question Grade 6 practice rounds for LEAP, built for bayou-strong reasoning with ratios, rational numbers, expressions, equations, geometry, statistics, answer keys, and clear explanations for every item.

**Jay Daie and Reza Nazari**



# Copyright ©

## Testinar Inc



Published by Testinar Inc

[Testinar.com](http://Testinar.com)

All rights reserved. No part of this publication may be reproduced, distributed, or transmitted in any form or by any means, including photocopying, recording, or other electronic or mechanical methods, without the prior written permission of the author, except in the case of brief quotations embodied in critical reviews and certain other noncommercial uses permitted by copyright law, including Section 107 or 108 of the 1976 United States Copyright Act.

This publication is independently produced and has no official connection to any state, district, or national testing program.

Test names and organizational names used herein are the property of their respective trademark holders.



*Copyright ©*

# Welcome, Louisiana Math Explorer!

Three focused rounds using bayou-strong reasoning

This book gives you three full Grade 6 practice tests for LEAP. Each round uses river curves, neighborhood routes, and lively classroom focus as a fresh mental backdrop while you read closely, choose a smart strategy, show your work, and check whether your answer makes sense.

## Your Louisiana Practice Promise

Follow the clues like a waterway: read slowly, mark direction, and check where the answer lands.

Read

Plan

Check

## How to Use This Book

A three-session routine for bayou-strong reasoning

1. **Preview the skills.** Scan the quick review pages before beginning the first round.
2. **Mark confidence.** Put a small star beside problems where your plan felt strong.
3. **Work in order.** Take one 40-question test at a time in a quiet place.
4. **Plan the next round.** Use the growth log to choose one habit and one skill to practice.
5. **Correct actively.** Retry missed items before reading the full explanation.

**Louisiana review rhythm:** Work a round, review the tricky bends, and carry one new strategy into the next test.



## What Is Inside?

Three LEAP tests, 120 questions, and a full review path

Part	What You Will Practice
Tests 1–2	Foundation rounds for ratios, rational numbers, operations, and careful reading.
Test 3	Final stamina round for expressions, equations, geometry, data, problem models, and mixed review.
Answer Pages	Compact keys and explanations that show why each answer works.

The tests are mixed on purpose. Bayou-strong reasoning means recognizing the skill even when the next question changes topic, changes format, or asks for an explanation.



Scan me!  
For more practice  
& answers

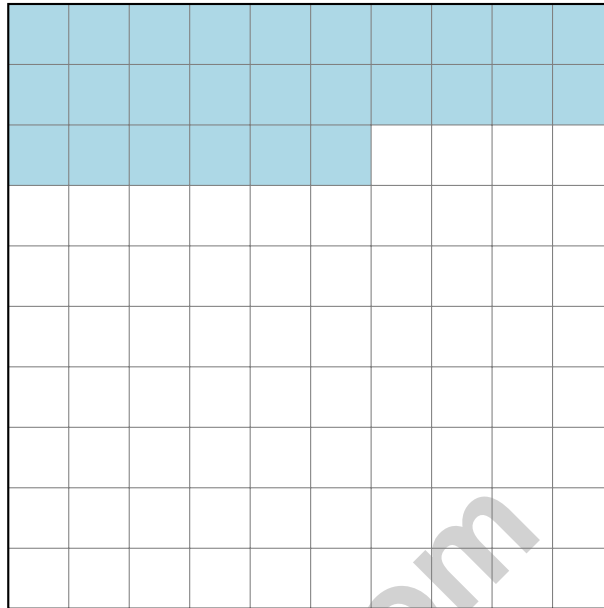
# Table of Contents

★ Practice Test 1	_____	14
★ Practice Test 2	_____	28
★ Practice Test 3	_____	44
Practice Test Answer Keys	_____	61
Practice Test Answers and Explanations	_____	64

- 1) A runner's splits for three legs: 12.4 s, 11.8 s, and 13.2 s. What is the total time?
- A. 35.4 s                                       C. 36.4 s  
 B. 37.4 s                                       D. 38.0 s
- 2) A student graphed the relationship between tickets sold and money earned. The graph is a straight line passing through (0, 0) and (8, 32). What is the slope of this line?
- A.  $\frac{1}{4}$      C.  $\frac{1}{8}$   
 B. 4     D. 8
- 3) Which statement is FALSE?
- A.  $-5 + (-4) = -1$                                        C.  $-3 + 8 = 5$   
 B.  $6 - (-2) = 8$                                        D.  $-7 - (-3) = -4$
- 4) A smoothie recipe uses strawberries and bananas in a 5 : 3 ratio. If the recipe calls for 15 strawberries, how many bananas should be added?

- 5) A coach asks: "What is the typical running speed of students on the track team?" Why is this a statistical question?
- A. Because running is an athletic activity.                                       D. Because different team members run at different speeds, and data must be collected.  
 B. Because the coach is a teacher.  
 C. Because the word "typical" is used.





6)

What percent of the grid is shaded?

- A. 26%                       C. 74%
- B. 30%                       D. 42%

7) A recipe calls for \$12 worth of ingredients. The ingredients are on sale for 25% off. How much will the ingredients cost?

- A. \$3                               C. \$9
- B. \$6                               D. \$12

8) If 3 notebooks cost \$9, how much will 7 notebooks cost?

- A. \$18                               C. \$21
- B. \$20                               D. \$27

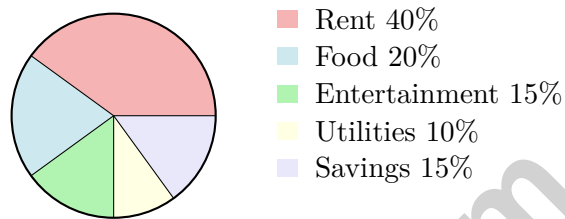


Scan me!  
For more practice  
& answers

9) A swimming pool contains 2,000 milliliters of water. How many liters is this? (Use 1 liter = 1000 milliliters.)

- A. 0.2 liters                       C. 20 liters  
 B. 200 liters                       D. 2 liters

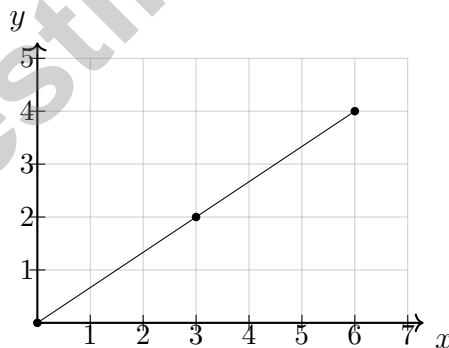
10) The circle graph shows Ramon's monthly budget allocation (total income \$1000).



How much does Ramon allocate to Entertainment?

- A. \$100                               C. \$200  
 B. \$250                               D. \$150

11) A line on a coordinate plane has the equation  $y = \frac{2}{3}x$ . Which point lies on this line?



- A. (2, 4)                               C. (6, 4)  
 B. (3, 3)                               D. (6, 9)



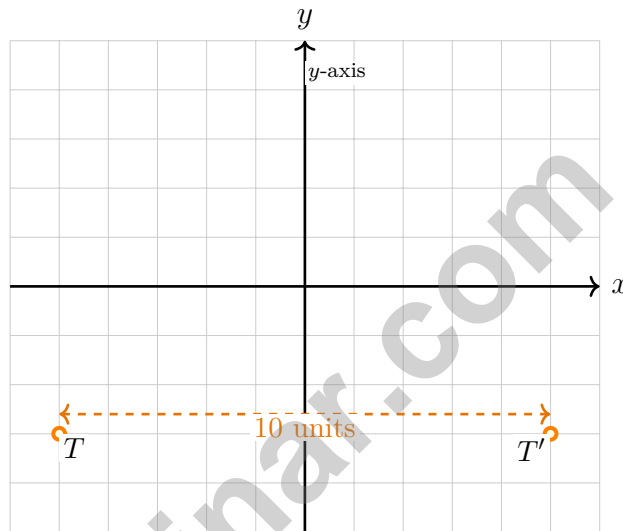
1) A factory produces  $x$  toys per day. In one week (7 days), it produces  $7x$  toys. If  $x = 500$ , how many toys are made in one week?

A. 507

C. 493

B. 500

D. 3500



2)

When  $T(-5, -3)$  is reflected over the  $y$ -axis to get  $T'$ , the distance between  $T$  and  $T'$  is:

A. 10 units

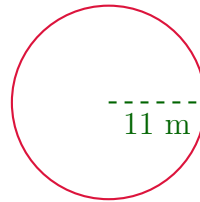
C. 3 units

B. 5 units

D. 0 units



## Large Circle

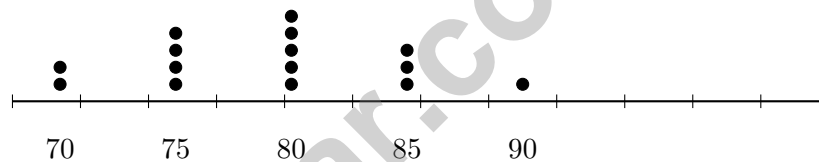


3)

A large circle has a radius of 11 meters. Using  $\pi \approx \frac{22}{7}$ , what is the approximate area?

- A. 242 m<sup>2</sup>                       C. 486 m<sup>2</sup>  
 B. 380 m<sup>2</sup>                       D. 770 m<sup>2</sup>

4) A dot plot shows student test scores: 2 dots at 70, 4 dots at 75, 5 dots at 80, 3 dots at 85, 1 dot at 90. What is the range?



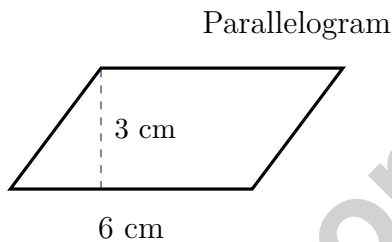
- A. 10                                       C. 20  
 B. 15                                       D. 25

5) Find the volume of a rectangular prism with dimensions  $\frac{3}{2}$  cm, 6 cm, and  $\frac{8}{3}$  cm.



Scan me!  
For more practice  
& answers

- 1) A thermometer shows a temperature of  $-17$  degrees. What does  $|-17|$  tell us?
- A. The temperature is 17 degrees below zero
- B. The magnitude of the temperature is 17 degrees
- C. The temperature is 17 degrees above zero
- D. The temperature is positive



- 2) What is the area of the parallelogram?
- A.  $9 \text{ cm}^2$
- B.  $18 \text{ cm}^2$
- C.  $27 \text{ cm}^2$
- D.  $36 \text{ cm}^2$
- 3) Maya is building a garden box with dimensions  $3\frac{1}{2}$  ft long, 2 ft wide, and  $1\frac{1}{2}$  ft deep. How many cubic feet of soil does she need?
- A.  $7 \text{ ft}^3$
- B.  $8.5 \text{ ft}^3$
- C.  $10.5 \text{ ft}^3$
- D.  $14 \text{ ft}^3$
- 4) For the point  $(-2, 5)$ , what is the  $x$ -coordinate?



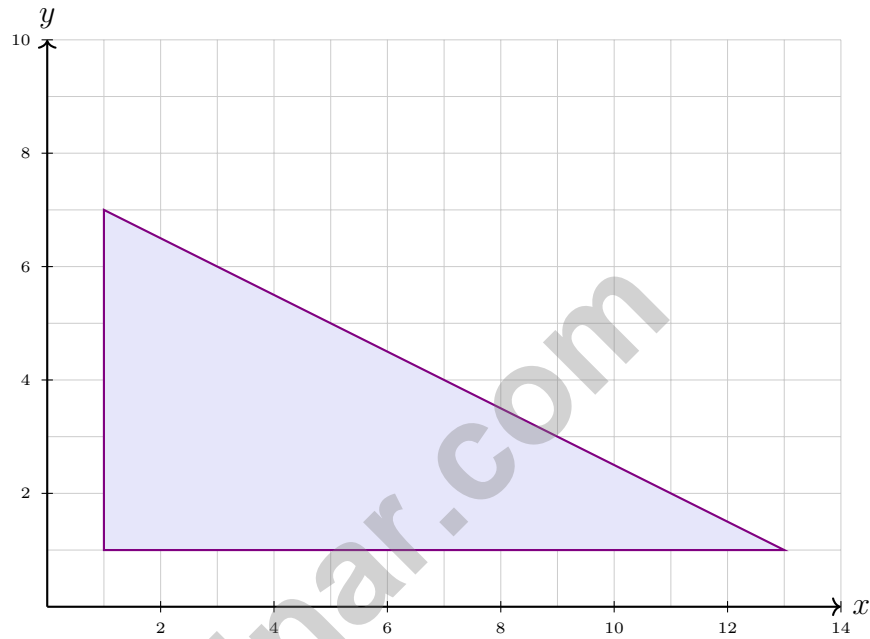
5) A triangle has vertices at  $(1, 1)$ ,  $(5, 1)$ , and  $(3, 5)$ . What is the length of the base?

A. 3 units

B. 4 units

C. 5 units

D. 6 units



6)

A right triangle has vertices at  $(1, 1)$ ,  $(13, 1)$ , and  $(1, 7)$ . What is its area in square units?

A. 36 square units

B. 40 square units

C. 44 square units

D. 48 square units

7) A rectangular prism's net shows a  $4 \times 6$  rectangle surrounded by four  $1 \times 6$  rectangles and two  $1 \times 4$  rectangles. What are the dimensions of the prism?

A.  $1 \times 4 \times 6$

B.  $2 \times 4 \times 6$

C.  $4 \times 6 \times 8$

D.  $4 \times 4 \times 6$



Scan me!  
For more practice  
& answers

**Louisiana LEAP Practice Test Answer Keys**

**How to use this Louisiana LEAP answer section with a Grade 6 student:**

1. check the answer first, then write one quick reason the choice is correct
2. mark questions to try again, especially the skills that feel connected to bayou-strong reasoning
3. rework the problem before reading the full explanation, using this reminder:  
Follow the clues like a waterway: read slowly, mark direction, and check where the answer lands.

**A calm Louisiana correction routine turns every missed item into useful practice. Work a round, review the tricky bends, and carry one new strategy into the next test.**



Scan me!  
For more practice  
& answers

## Louisiana Practice Test Answers and Explanations

Review the three printed LEAP tests with flexible, steady, and ready for the next turn habits.

### Practice Test 1 Answers and Explanations

- Choice B is correct.** (6.NS.B.3) Add:  $12.4 + 11.8 + 13.2 = 37.4$  s.
- Choice B is correct.** (6.RP.A.3a) The slope is  $\frac{\text{rise}}{\text{run}} = \frac{32-0}{8-0} = \frac{32}{8} = 4$ . This represents \$4 per ticket.
- Choice A is correct.** (6.NS.B.3) A is FALSE:  $-5 + (-4) = -9$ , not  $-1$ . B is true:  $6 - (-2) = 6 + 2 = 8$ . C is true:  $-3 + 8 = 5$ . D is true:  $-7 - (-3) = -7 + 3 = -4$ .
- The correct answer is 9.** (6.RP.A.3) Strawberries are the 5-part amount. Since  $15 \div 5 = 3$ , each part is 3, and bananas are 3 parts:  $3 \times 3 = 9$ .
- Choice D is correct.** (6.SP.A.2) The key reason it is statistical is the expected variability (different speeds) and the need to collect data from multiple runners. Using the word “typical” or the context alone does not define a statistical question.
- Choice A is correct.** (6.RP.A.3c) Counting the shaded squares: 18 in the upper region + 8 in the right region = 26 squares out of 100. So 26%.
- Choice C is correct.** (6.RP.A.3c) 25% of \$12 =  $0.25 \times 12 = \$3$ . New cost is  $\$12 - \$3 = \$9$ .
- Choice C is correct.** (6.RP.A.3) Unit price:  $9 \div 3 = 3$  per notebook. For 7 notebooks:  $3 \times 7 = 21$  dollars.
- Choice D is correct.** (6.RP.A.3d) Divide:  $2000 \div 1000 = 2$  liters.
- Choice D is correct.** (6.NS.C.7d) Entertainment is 15% of the budget. 15% of \$1000 =  $0.15 \times 1000 = \$150$ .
- Choice C is correct.** (6.NS.C.7d) For  $y = \frac{2}{3}x$ , when  $x = 6$ ,  $y = \frac{2}{3}(6) = 4$ , so (6, 4) is on the line. The other points do not satisfy the equation: (2, 4) would need  $y = \frac{4}{3}$ , (3, 3) would need  $y = 2$ , and (6, 9) would need  $y = 4$ .
- Choice C is correct.** (6.EE.C.9) Rent is \$500 out of \$1000:  $\frac{500}{1000} = 0.50 = 50\%$ .
- Choice C is correct.** (6.RP.A.3) Multiply:  $2.5 \text{ cm} \times 4 = 10 \text{ cm}$ .
- Choice B is correct.** (6.NS.A.1)  $2\frac{1}{2} \div \frac{5}{8} = \frac{5}{2} \times \frac{8}{5} = \frac{40}{10} = 4$ .
- Choice A is correct.** (6.NS.B.2)  $5,625 \div 45 = 125$ . Verify:  $45 \times 125 = 5,625$ .
- Choice D is correct.** (6.NS.B.4) Looking at the table, the first number that appears in both rows is 60. This is the least common multiple.
- Choice A is correct.** (6.NS.B.4) If  $9(2 + 7) = 9 \cdot 2 + 9 \cdot 7 = 18 + 63$ , then the missing factor is 9.
- Choice C is correct.** (6.NS.C.5) Negative integers represent values less than zero. A debt of \$8 means owing money, which is represented by  $-8$ .
- Choice D is correct.** (6.NS.C.7c) The opposite of  $-5$  is 5. The opposite of 5 is  $-5$ . So the opposite of the opposite returns to the original number.
- Choice C is correct.** (6.NS.C.6c) In decimal form:  $-\frac{7}{10} = -0.7$ ,  $-\frac{3}{4} = -0.75$ ,  $-\frac{2}{3} \approx -0.667$ . So  $-0.75 < -0.7 < -0.667$ , placing  $-0.7$  between these two values.
- The correct answer is Girls to boys is 10 : 15 = 2 : 3 (Choice A is correct). Boys to total is 15 : 25 = 3 : 5 (Choice B is correct)..** (6.RP.A.1) Choice A is correct because girls to boys is 10 : 15, which simplifies to 2 : 3. Choice B is correct because boys to total is 15 : 25, which simplifies to 3 : 5. The other choices either flip the order, swap which group is named first, or use the wrong total (10 girls out of 25 students is 2 : 5, not 1 : 3).
- Choice D is correct.** (6.NS.C.8) The point (4,  $-3$ ) has a positive  $x$ -coordinate and negative  $y$ -coordinate, placing it in Quadrant IV (lower right). The student likely confused the quadrants.
- The correct answer is 55 miles per hour.** (6.RP.A.3d) Divide miles by hours:  $55 \div 1 = 55$  miles per hour (or  $165 \div 3 = 55$ ).
- Choice B is correct.** (6.NS.C.7d) Numbers further left on a number line are less.  $-3.75 < -3.5$ , so  $-3.75$  is further left.
- Choice A is correct.** (6.NS.C.8) Height is the vertical distance:  $|3 - 1| = 2$  units.



**A Note From Your Math Friend**

---

**Hi, Math Star!**

◇ Wow! You finished 3 full practice tests. That is a LOT of math problems. You worked hard, and your brain got stronger every time. ◇

★ **Here is a big idea:** mistakes are okay! Every time you got something wrong, you got smarter. Through 3 tests, you learned that trying is the most important thing. ★

**Look What You Did!**

- **Hard Worker:** You did not give up!
- **Smart Thinker:** You used your math tools.
- **Brave Learner:** You tried hard problems.
- **Test Ready:** You feel proud and prepared.

**Big tip for test day:** take your time. Read each problem twice. Show your work. Check your answer. You can do this!

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 Friend

# PRACTICE TODAY. SUCCEED TOMORROW!

This book includes 3 full-length Math practice tests and 2 online tests to help Grade 6 students build confidence, strengthen skills, and excel on standardized assessments.

Each practice test is carefully crafted to reflect the latest standards and includes a variety of question types, realistic test conditions, and detailed answer explanations.

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

## THIS BOOK INCLUDES:

- 3 Full-Length Printed Tests
  - 2 Online Practice Tests
-  Detailed Answer Explanations

## MORE PRACTICE. GREATER RESULTS.

Give your child the tools to build strong math skills, confidence, and a positive attitude toward learning.

## WHAT YOU'LL GAIN



### Stronger Math Skills

Build a solid foundation through targeted practice and review.



### Better Problem Solving

Develop logical thinking and effective solution strategies.



### Deeper Understanding

Reinforce key concepts with clear explanations and meaningful practice.



### Test Confidence

Familiarize with test formats and improve accuracy and speed.



### Achieve Success

Build confidence and perform your best on test day.

## TOPICS COVERED

- ✓ Ratios & Rates
- ✓ The Number System
- ✓ Expressions & Equations
- ✓ Geometry
- ✓ Fractions & Decimals
- ✓ Percents
- ✓ Statistics & Probability
- ✓ Data Analysis
- ✓ Measurement & Conversions
- ✓ And More!



## 2 ONLINE TESTS

Use these two additional online practice tests for extra review after the printed tests in this book.



**VISIT [TESTINAR.COM/MATH6](https://www.testinar.com/math6)**  
FOR MORE PRACTICE TESTS  
AND LEARNING RESOURCES



PRACTICE  
REGULARLY



STAY  
FOCUSED



SOLVE  
CONFIDENTLY



SUCCEED  
BRIGHTLY

PREPARE TODAY. **SUCCEED TOMORROW!**