

4

COMPLETE

Louisiana LEAP

Grade

MATH

5

PRACTICE TESTS

Standards-Based Test Prep with
Mixed Review, Word Problems,
and **Full Answer Key**



- ✓ **4 COMPLETE PRACTICE TESTS**
Built to reflect the test format and rigor



- ✓ **COVERS ALL ESSENTIAL TOPICS**
Numbers & Operations, Fractions, Decimals, Geometry, Measurement, Data & Probability, and more



- ✓ **STRENGTHEN SKILLS & CONFIDENCE**
Mixed review, challenging questions, and strategic practice



- ✓ **FULL ANSWER KEY INCLUDED**
Detailed explanations for every question



**BUILD STRONG
MATH SKILLS
& TEST READINESS**



**IMPROVE ACCURACY,
SPEED, AND
PROBLEM SOLVING**



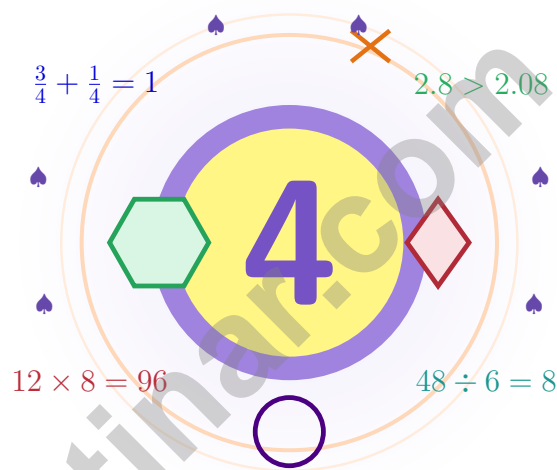
**PERFECT FOR
CLASSROOM,
HOME, OR
SELF-STUDY**



**ALIGNED TO
LOUISIANA
STATE STANDARDS
(LEAP)**

4 Louisiana LEAP Grade 5 Math Practice Tests

Four chances to grow your math mind one careful step at a time



Four full tests, a smart quick review, mission-style strategy pages, and student-tested support that help Grade 5 mathematicians from The Pelican State build calm, careful, confident habits.

Jay Daie and Reza Nazari



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Louisiana Math Crew, Welcome Aboard

Four practice tests, four growth checks, one calm routine

To the Grade 5 Explorer in Louisiana

This book gives you four chances to read closely, solve carefully, and level up your math thinking. Math thinking flows like a Louisiana bayou – slow, deep, full of quiet curves, and going somewhere on purpose.

You do not need to feel perfect before you begin. You just need to stay curious, use strategies, and learn from every correction. That is how confident mathematicians are built.

Spot Clues

Notice what the problem shows, says, and asks.

Build a Plan

Choose a strategy and work through it step by step.

Bounce Back

Let mistakes show you exactly what to practice next.

A strong mission habit for Louisiana: keep your work neat, estimate when it helps, label units carefully, and never let one hard question decide your mood for the whole page.

How to Get the Most Out

A four-step routine that turns practice into real improvement

Step 1: Power Up

Start with the quick review.

Wake up the big Grade 5 ideas before the test starts so your brain is already warmed up.

Step 2: Take the Test

Work through one full practice test.

Find a calm corner, settle in, and aim for careful, honest choices before quick ones.

Step 3: Decode Mistakes

Check your work honestly.

Circle missed questions, sort out what went sideways, and notice which skills are calling for attention.

Step 4: Bring the Lesson Forward

Repair, reflect, and retry.

Read the explanation, fix the work, and carry that lesson into the very next test.

A Four-Week Louisiana Mission Map

Week	Mission Focus
Week 1	Take Test 1 and read the bayou current before you choose a line.
Week 2	Take Test 2 and lift word problems and clear writing.
Week 3	Take Test 3 to polish fractions, decimals, and conversions.
Week 4	Take Test 4 with calm strokes, careful work, and steady focus.



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What to Expect Inside

What these four practice tests help Grade 5 students build

These three practice tests prepare Grade 5 students in the Pelican State for the Louisiana LEAP with the calm rhythm of a delta morning. The goal is bigger than collecting right answers. Students are practicing how to read carefully, choose a strategy, solve step by step, and explain their reasoning clearly – the same way mathematicians do every day.

Selected-Response Questions

Students solve the problem and choose the best answer. Estimating first, crossing out weak choices, and checking for reasonableness can save time and points.

Constructed-Response Questions

Students show steps, explain a method, or support an answer with clear math. Strong reasoning matters because it shows how the answer was found.

Grade 5 Ideas That Show Up Again and Again

- place value, comparing numbers, and rounding
- multi-digit addition, subtraction, multiplication, and division
- fractions, mixed numbers, and decimals
- perimeter, area, volume, and measurement conversions
- tables, line plots, patterns, and coordinate points
- geometry and multi-step real-world problem solving

What strong LEAP-style work looks like: accurate math, readable steps, the right labels or units, and a final answer that really matches the question being asked.



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Grade 5 Mathematics Reference Materials

PERIMETER AND AREA

Perimeter of Rectangle $P = 2l + 2w$ or $P = 2(l + w)$

Area of Rectangle $A = l \times w$

Area of Triangle $A = \frac{1}{2} \times b \times h$

Volume of Rectangular Prism $V = l \times w \times h$

LENGTH

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CAPACITY

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Scan me

1) Four boxes each measure $5\text{ m} \times 3\text{ m} \times 2\text{ m}$. What is their total combined volume?

A. 60 m^3

C. 120 m^3

B. 90 m^3

D. 180 m^3

2) A graph shows hours studied on the x-axis and test scores on the y-axis. Point $(5, 85)$ is plotted on the graph. What does this point represent?

 A. A student studied for 85 hours and scored 5 points C. A student scored 5 points and studied for 85 hours B. A test took 5 hours and had 85 questions D. A student studied for 5 hours and scored 85 points

3) Which expression evaluates to exactly 100?

A. $(20 + 5) \times 4$

C. $(5 \times 5) + 4$

B. $20 \times (5 + 4)$

D. $5 \times (25 - 4)$

4) Find the least common denominator of $\frac{2}{3}$ and $\frac{1}{4}$.

Record your answer in the space provided.

5) What is 1.5 in expanded form using addition?

A. $1 + 5$

C. $1 + 0.05$

B. $1 + 0.5$

D. $10 + 5$

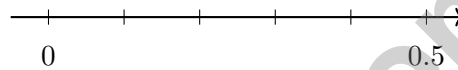


- 6) Write the value of the digit 7 in the number 4.073.

Record your answer in the space provided.

- 7) Sort these decimals on a number line:

0.2, 0.02, 0.22, 0.12



Which is the correct order (left to right)?

- A. 0.02, 0.12, 0.2, 0.22
- B. 0.02, 0.2, 0.12, 0.22
- C. 0.22, 0.2, 0.12, 0.02
- D. 0.12, 0.02, 0.22, 0.2
- 8) Expression table: complete the missing value when 4.5 is multiplied by different powers of 10.

Expression	Value
4.5×10	45
4.5×100	?
4.5×1000	4500

- A. 4.5
- B. 45
- C. 450
- D. 4500



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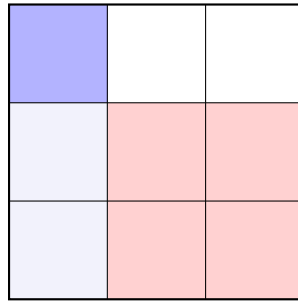
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1) Find: $\frac{1}{3} \times \frac{2}{3}$



A. $\frac{2}{9}$

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

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

D. $\frac{2}{6}$

2) Find: $\frac{7}{8} \times \frac{2}{3}$.

Record your answer in the space provided.

3) Evaluate:

$$5 \times [(4 + 3) \times (4 + 3)] \div 7 + 2$$

A. 35

B. 45

C. 39

D. 37



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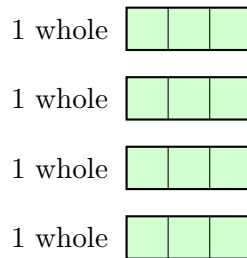
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- 1) A student multiplies 0.18 by 10,000 and gets 18. Is the result correct?
- A. Correct
- B. Too small; correct is 180
- C. Too large; correct is 1.8
- D. Too small; correct is 1,800
- 2) Marcus ran $\frac{1}{2}$ mile and then walked $\frac{1}{5}$ mile. How far did he travel total?
- A. $\frac{2}{7}$ mile
- B. $\frac{7}{10}$ mile
- C. $\frac{1}{10}$ mile
- D. $\frac{6}{5}$ miles
- 3) Two fractions have denominators 9 and 12. What is their least common denominator?
- A. 21
- B. 36
- C. 108
- D. 27
- 4) Two identical boxes each have dimensions 5 in \times 4 in \times 3 in. What is the combined volume of both boxes?
- A. 60 in³
- B. 90 in³
- C. 120 in³
- D. 180 in³
- 5) The model shows 4 wholes, with each whole cut into pieces of size $\frac{1}{3}$. How many pieces of size $\frac{1}{3}$ are there in all?



4 wholes, each cut into pieces of size $\frac{1}{3}$

- A. 12
- B. 7
- C. 3
- D. 4



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1) Which list is ordered from smallest to largest?

A. 2 m, 250 cm, 20 mm, 2 km

C. 20 mm, 250 cm, 2 m, 2 km

B. 20 mm, 2 m, 250 cm, 2 km

D. 2 km, 2 m, 250 cm, 20 mm

2) Jake computed $\frac{3}{4} - \frac{1}{6} = \frac{2}{2}$. Is Jake correct?

A. Yes

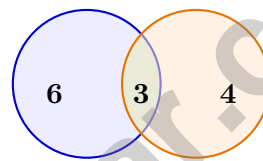
C. No, the answer is $\frac{1}{2}$

B. No, the answer is $\frac{7}{12}$

D. No, the answer is $\frac{5}{6}$

3) A Venn diagram has one circle for rectangles and one circle for rhombuses. There are 6 rectangles only, 4 rhombuses only, and 3 squares in the intersection. How many figures are rectangles?

Rectangles Rhombuses



A. 3

C. 10

B. 13

D. 9

4) Pattern A: 0, 4, 8, 12. Pattern B: 0, 1, 2, 3. For the nonzero matching terms, what fraction of A is B?

Record your answer in the space provided.



Practice Test Answer Keys

How to use this section:

1. check your answer
2. circle missed questions
3. rework them before reading the explanation

Good correction habits build strong scores.

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Practice Test Answers and Explanations

Practice Test 1 Answers and Explanations

- Choice C is correct.** **(5.MD.C.5a)** One box: $5 \times 3 \times 2 = 30 \text{ m}^3$. Four boxes: $30 \times 4 = 120 \text{ m}^3$.
- Choice D is correct.** **(5.G.A.2)** The x-coordinate represents hours studied (5 hours) and the y-coordinate represents the test score (85 points). So the point (5, 85) means a student studied for 5 hours and earned a score of 85.
- Choice A is correct.** **(5.OA.A.1)** Evaluate each option to be sure. A gives $25 \times 4 = 100$, while B gives 180, C gives 29, and D gives 105. Only A is exactly 100.
- The correct answer is 12.** **(5.NF.A.2a)** The least common multiple of 3 and 4 is 12.
- Choice B is correct.** **(5.NBT.A.3a)** The 5 is in the tenths place, so $1.5 = 1 + 0.5$.
- The correct answer is 0.07.** **(5.NBT.A.1)** The digit 7 is in the hundredths place, so it represents $7 \times 0.01 = 0.07$.
- Choice A is correct.** **(5.NBT.A.3b)** Left to right on a number line: $0.02 < 0.12 < 0.2 < 0.22$.
- Choice C is correct.** **(5.NBT.A.2)** $4.5 \times 100 = 450$ (move decimal 2 places right).
- Choice C is correct.** **(5.MD.B.2)** Count the X marks at each height on the line plot. The height with the greatest number of X marks is 5 inches, which has 4 plants. Therefore, the most common plant height is 5 inches.
- Choice B is correct.** **(5.MD.C.5a)** P: $10 \times 5 \times 4 = 200$. Q: $8 \times 6 \times 4 = 192$ (less than 200). R: 225. S: 210. Only Q is less than 200.
- Choice D is correct.** **(5.NBT.A.2)** The table shows $44.8 \div 100 = 0.448$. Move decimal 2 places left.
- The correct answer is $1\frac{1}{4}$.** **(5.NF.A.2a)** $\frac{3}{4} + \frac{1}{2} = \frac{3}{4} + \frac{2}{4} = \frac{5}{4} = 1\frac{1}{4}$.
- Choice C is correct.** **(5.NF.A.2a)** Check: $\frac{4}{8}$ reduces to $\frac{1}{2}$; $\frac{3}{6}$ reduces to $\frac{1}{2}$; $\frac{5}{7}$ has GCF=1 (simplest); $\frac{2}{10}$ reduces to $\frac{1}{5}$.
- Choice B is correct.** **(5.NF.B.7c)** Divide a whole number by a unit fraction: $6 \div \frac{1}{4} = 6 \times 4 = 24$ pieces.
- Choice C is correct.** **(5.G.A.2)** Lily: 2, 3, 4, 5, 6. Zoe: 3, 5, 7, 9, 11. Point (5, 10) doesn't match—it should be (5, 9).
- Choice A is correct.** **(5.OA.A.2)** In 8 minutes, the tub loses 5×8 gallons. Subtract that amount from the starting 60 gallons: $60 - 5 \times 8$.
- The correct answer is 216.** **(5.MD.C.3b)** One layer has $6 \times 6 = 36$ unit cubes. With 6 layers, the cube has $36 \times 6 = 216$ unit cubes.
- Choice C is correct.** **(5.MD.C.5)** Choose the operation from the story, then keep the unit with the answer. Multiply: $0.6 \times 5 = 3.0$ kilometers. This confirms the answer.
- Choice C is correct.** **(5.NBT.B.7)** Each batch uses 2.5 cups, so multiply by the number of batches: $2.5 \times 6 = 15$. The total is 15 cups.
- Choice B is correct.** **(5.G.A.2)** Compare each pair: $1 \times 7 = 7$, $2 \times 7 = 14$, $3 \times 7 = 21$, and $4 \times 7 = 28$.
- Choices A, C are correct.** **(5.OA.A.1)** Start with the grouped addition: $8 + 4 = 12$. Then $12 \div 2 = 6$, and $6 + 1 = 7$, so A and C are true. Choice B skips the grouping, and choice D gives the wrong final value.
- Choice D is correct.** **(5.NBT.A.2)** There are 34 groups of 10 items, so multiply $34 \times 10 = 340$. Multiplying by 10 shifts the digits one place to the left in the place-value chart.
- Choice A is correct.** **(5.NF.A.1)** Borrow 1 from 7: $6\frac{11}{8} - 4\frac{6}{8} = 2\frac{5}{8}$.
- Choice D is correct.** **(5.NF.A.2b)** $\frac{3}{8} + \frac{2}{7} = \frac{37}{56} \approx 0.66$. That is closer to $\frac{1}{2}$ than to 1, so $\frac{1}{2}$ is the best benchmark choice.
- Choice D is correct.** **(5.NBT.A.2)** Each step multiplies by another factor of 10, so the decimal moves one place right each time: 0.08, 0.8, 8, 80.
- The correct answer is 3.** **(5.OA.B.3)** Compare nonzero matching values: $6 \div 2 = 3$, $12 \div 4 = 3$, and $18 \div 6 = 3$. Pattern B is 3 times Pattern A.
- Choice C is correct.** **(5.NF.B.7c)** Each whole contains 4 pieces of size $\frac{1}{4}$. With 2 wholes, there are $2 \times 4 = 8$ pieces.
- Choice C is correct.** **(5.MD.A.1)** First add the miles: $156 + 144 = 300$ miles. Then convert miles to feet: $300 \times 5,280 = 1,584,000$ feet.
- Choice B is correct.** **(5.NF.A.1)** $\text{LCM}(4,3) = 12$. $\frac{1}{4} = \frac{3}{12}$ and $\frac{1}{3} = \frac{4}{12}$. $\frac{3}{12} + \frac{4}{12} = \frac{7}{12}$.
- Choice C is correct.** **(5.G.A.1)** One repeat moves from (0, 0) to (2, 3). A second repeat adds another 2 to x and another 3 to y, giving (4, 6).



Cheer Squad Final Pep Talk

Hey Math Superstar!

◇ 4 practice tests! That's a LOT of work, and you did it all! I'm cheering so loud right now you can probably hear me through this page. You've earned every clap, every hooray, and every smile. ◇

★ **Cheerleader truth:** confidence is built by showing up. You showed up 4 times. That's why your confidence is real today. It's not pretend. You earned it, problem by problem. ★

Cheer Squad Roll Call

- **Effort:** 100% SHOWED UP!
- **Heart:** HUGE!
- **Skill:** STRONG and growing!
- **Spirit:** BRIGHT and bold!

Cheer tip: on test day, be your own cheerleader. Whisper to yourself: "I've got this. I've practiced. I'm ready." Tiny self-cheers make a big difference.

If you want to share a proud moment or ask a question, please email me at jay@testinar.com. I'd love to hear from you!

Jay Daie

Your Math Cheerleader (Go You!)

4 COMPLETE TESTS. CONFIDENCE. SUCCESS.



Give your child the practice and confidence they need to excel in **Grade 5 Math**. This book includes **4 full-length** practice tests designed to build skills, improve test readiness, and help students reach their full potential.

WHAT'S INSIDE:



4 COMPLETE PRACTICE TESTS

Full-length tests that reflect real test format and rigor.



COVERS ALL GRADE 5 TOPICS

Numbers & Operations, Fractions, Decimals, Geometry, Measurement, Data & Probability, and more.



MIXED REVIEW & WORD PROBLEMS

Build problem-solving skills with mixed review questions and real-world word problems.



DETAILED ANSWER KEY

Step-by-step explanations for every question to help students learn and improve.



BUILD CONFIDENCE & IMPROVE SCORES

Practice consistently, reduce test anxiety, and achieve your best score!



PRACTICE SMART. LEARN MORE. ACHIEVE YOUR BEST.



Strengthen
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