

5

Louisiana

LEAP

GRADE 3

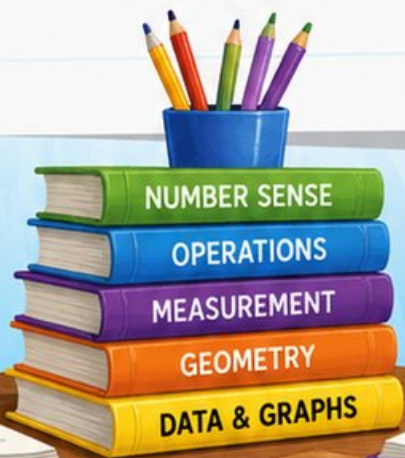
MATH

PRACTICE TESTS

Standards-Aligned Practice with Review, Answer Keys, and Explanations

$24 \div 3 = 8$

$125 + 37$



5 FULL-LENGTH PRACTICE TESTS



STANDARDS-ALIGNED PRACTICE



DETAILED ANSWER KEYS



CLEAR EXPLANATIONS TO HELP YOU SUCCEED

5 Louisiana LEAP Grade 3 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Five focused 30-question checkpoints for Grade 3 math: facts, fractions, measurement, data, area, shapes, answer keys, and clear explanations for every item.

Jay Daie and Reza Nazari



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Welcome to the Five Checkpoint Quest

Five tests, five fresh starts, and one stronger Grade 3 thinker



Read. Model. Solve. Check. Grow.

To the Grade 3 Math Explorer

This book gives you five practice checkpoints for the Louisiana LEAP. Each checkpoint is a full 30-question test, so you can practice stamina, accuracy, and the habit of showing what you know.

Louisiana has bayous, bridges, music, and busy streets where patterns are everywhere. Strong math uses the same kind of careful planning: look at the path, choose a tool, and check your work before moving ahead.

Notice

Circle key words, units, and numbers before you start.

Build

Use arrays, number lines, equations, tables, or sketches.

Verify

Ask, "Does this answer fit the question?"

Five-checkpoint promise: I will try each test with patience, mark my mistakes honestly, and use every correction to make the next checkpoint stronger.

How to Use This Book

A five-step routine for steady Grade 3 growth

Use one checkpoint at a time. A good pace is one test, one careful review, and one short skill tune-up before the next test.

1. **Preview the tools.** Skim the reference page and remember where multiplication, fractions, measurement, and shapes appear.
2. **Take one full test.** Work neatly. If a problem feels stuck, mark it and keep moving.
3. **Check the answer key.** Notice the question type: multiple choice, select all, or open-ended.
4. **Study explanations.** Pick two missed questions and redo them without looking.
5. **Choose the next focus.** Write one habit to carry into the next checkpoint.

Best review habit: Do not just ask, “What was the answer?” Ask, “What clue did I miss, and what tool should I try next time?”



What Is Inside?

Five complete practice tests with review support

Part	What You Do	Why It Helps
Practice Tests 1–5	Solve five different 30-question tests.	Build stamina and see many Grade 3 skills mixed together.
Answer Keys	Check each answer in compact boxes.	Find mistakes quickly without losing your place.
Explanations	Read the reason behind each answer.	Turn missed items into a clear next step.
Standards Reference	See how Louisiana Grade 3 standards connect to practice.	Understand the skills behind the questions.

Each test has 26 multiple-choice questions, 1 select-all question, and 3 open-ended questions. That mix gives students practice with quick choices, careful reasoning, and short written answers.

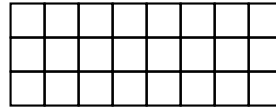


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& answers

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- 1) A teacher covers a classroom floor with square tiles. The floor is a rectangle that is 8 tiles long and 3 tiles wide. Here is a diagram:



Count the square tiles. How many tiles are needed to cover the entire floor?

- A. 11 tiles (only the edge) C. 24 tiles
 B. 22 tiles (counted twice) D. 40 tiles
- 2) James has 30 toy cars. He buys 10 more. Then he gives away 15 to his friend. How many toy cars does James have now?
- A. 15 C. 30
 B. 25 D. 40
- 3) Ava has two arrays that show the commutative property. Which is the matching pair?

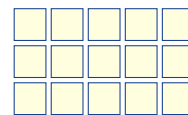
Ava's array:
3 rows, 6 columns



A
6 rows, 3 col



B
3 rows, 5 col



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4) A rectangle has opposite sides that are equal. How many pairs of equal sides does a rectangle have?

- A. 1 pair
- B. 2 pairs

- C. 3 pairs
- D. 4 pairs



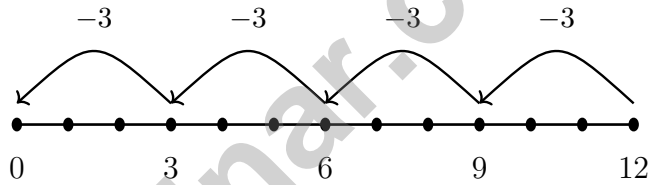
5)

Which repeated addition matches this array?

- A. $3 + 3 = 6$
- B. $2 + 2 + 2 = 6$

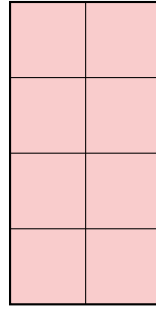
- C. $3 + 3 + 3 = 9$
- D. $4 + 4 + 4 = 12$

6) Which division sentence is shown on the number line?



- A. $12 \div 3 = 4$
- B. $12 \div 4 = 3$

- C. $12 \div 6 = 2$
- D. $12 - 3 = 9$



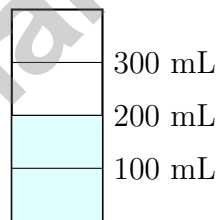
7)

Count the unit squares in the grid shown. What is the area?

- A. 4 square units C. 8 square units
 B. 6 square units D. 10 square units

8) If a number line from 0 to 1 has 8 equal parts, how far is the fifth tick from 0?

- A. $\frac{1}{8}$ C. $\frac{5}{8}$
 B. $\frac{4}{8}$ D. $\frac{8}{8}$



Cup

9)

The cup shows water at the 200 mL mark. What is the volume of water?

- A. 100 mL C. 300 mL
 B. 200 mL D. 400 mL



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1) Which of the following can be measured in square centimeters?

- A. The surface of a sheet of paper C. The length of a desk
 B. The height of a pencil D. The thickness of a book

2) Mia's room is shaped like a rectangle with length 7 ft and width 5 ft. What is the area of her room?

- A. 12 ft² C. 49 ft²
 B. 24 ft² D. 35 ft²

3) Ava has 15 stickers. She puts them equally into 5 envelopes. How many stickers does each envelope have?

- A. 10 C. 20
 B. 2 D. 3

4) A rectangle can be divided into equal parts in different ways. Which way shows the rectangle divided into 2 equal parts?



- A. One vertical line through the middle C. Two horizontal lines and two vertical lines
 B. Two vertical lines D. One diagonal line and one vertical line



5) A tile has an area of 16 square inches. Which dimensions could make this area?

A. 4 in and 4 in

C. 2 in and 7 in

B. 3 in and 5 in

D. 5 in and 4 in

6) What is 9×9 ?

7) Eli can group factors two ways. Which gives the same answer?

A. $(3 \times 4) \times 2$ and $3 \times (4 \times 2)$

C. $(3 \times 4) \times 2$ and $(3 + 4) \times 2$

B. $(3 \times 4) \times 2$ and $3 + (4 \times 2)$

D. $(3 \times 4) \times 2$ and $3 \times 4 - 2$

8) What is the missing number? $500 - ? = 274$

A. 226

C. 330

B. 274

D. 220

9) Counting unit fractions, what do $\frac{1}{4}$, $\frac{1}{4}$, and $\frac{1}{4}$ make together?

A. $\frac{1}{12}$

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

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

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

10) Complete: $\square \div 5 = 8$

A. 35

C. 45

B. 40

D. 13



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For more practice
& answers

1) The theater has 8 rows of seats. Each row has 30 seats. How many seats are in the theater?

A. 38

B. 83

C. 240

D. 2400

2) For a number like _____, the rounding rule says “look at the tens digit.” What does the rounding rule mean by “look”?

A. Stare at the number with your eyes

B. Write the tens digit on a separate page

C. Remember all the numbers you’ve rounded before

D. Check whether it is 5 or greater to decide if we round up

3) Which list shows skip counting by 4s?

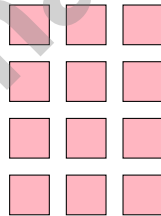
A. 2, 4, 6, 8, 10

B. 5, 10, 15, 20, 25

C. 3, 6, 9, 12, 15

D. 4, 8, 12, 16, 20

4)



How many small squares are in this grid?

A. 15

B. 7

C. 10

D. 12



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

- Choice C is correct.** (3.MD.C.5b) Count the rows: 3 rows. Count across: 8 tiles per row. Total: $8 + 8 + 8 = 24$ square tiles are needed to cover the floor.
- Choice B is correct.** (3.OA.D.8) Step 1: Add: $30 + 10 = 40$ cars. Step 2: Subtract: $40 - 15 = 25$ cars. (Choice D is step 1 only.)
- Choice A is correct.** (3.OA.B.5) Option A shows 6 rows and 3 columns. By the commutative property, $3 \times 6 = 6 \times 3 = 18$. Flipping rows and columns shows the same product in a different order.
- Choice B is correct.** (3.G.A.1) A rectangle has two pairs of opposite equal sides: one pair of long sides and one pair of short sides.
- Choice D is correct.** (3.OA.A.1) The array shows 3 columns with 4 squares in each column. This means $4 + 4 + 4 = 12$ or $3 \times 4 = 12$.
- Choice A is correct.** (3.OA.A.2) The number line shows repeated subtraction of 3 four times, so $12 \div 3 = 4$.
- Choice C is correct.** (3.MD.C.5a) The grid is 2 units wide and 4 units tall: $2 \times 4 = 8$ unit squares = 8 square units.
- Choice C is correct.** (3.NF.A.2a) Each step is one eighth. Five steps from 0 land at $\frac{5}{8}$.
- Choice B is correct.** (3.MD.A.2) Read the marking on the measuring cup: 200 mL.
- Choice D is correct.** (3.NF.A.2b) Point *D* is at 2.5. Count from 0: the 10th fourth-mark is at $\frac{10}{4} = 2\frac{2}{4} = 2\frac{1}{2}$.
- The correct answer is 4 parts.** (3.G.A.2) Half of 8 is 4.
- Choice C is correct.** (3.NBT.A.3) 3 groups of (5×10) equals $3 \times 50 = 150$. Or: Each group has 50 units; $50 + 50 + 50 = 150$.
- Choice C is correct.** (3.MD.B.4) Count the X's directly above the $250\frac{1}{4}$ mark. There are three X's stacked there.
- Choice B is correct.** (3.NF.A.2) The dot is at the second tick out of four equal parts, so it is $\frac{2}{4}$.
- Choices B and C are correct.** (3.MD.C.7b) Area of a rectangle = length \times width = $8 \times 5 = 40$ square feet. Choice E is false because 8×5 equals 40, not 45. Perimeter is found by adding all four sides.
- Choice D is correct.** (3.NBT.A.1) The tens digit is 5. Since $5 \geq 5$, round up: 756 rounds to 800.
- Choice A is correct.** (3.NF.A.3b) $\frac{1}{2} = \frac{3}{6}$ because $\frac{1 \times 3}{2 \times 3} = \frac{3}{6}$. Both Lily and Sam used the same fraction of their crayons.
- Choice C is correct.** (3.MD.A.1) From 3 : 34 to 4 : 34 is 1 hour or 60 minutes. From 4 : 19 to 4 : 34 is 15 minutes. So from 3 : 34 to 4 : 19 is $60 - 15 = 45$ minutes.
- Choice C is correct.** (3.NF.A.3c) $\frac{4}{1} = 4$. Any number over 1 equals that number.
- The correct answer is 35 square units.** (3.MD.C.5) Multiply length by width: $7 \times 5 = 35$ square units.
- Choice D is correct.** (3.OA.C.7) $56 \div 7 = 8$ because $8 \times 7 = 56$. Seven groups of 8 equals 56.
- Choice A is correct.** (3.MD.C.7c) Total is $8 \times 5 = 40$. One part is $8 \times 3 = 24$. Other part is $40 - 24 = 16$, which is 8×2 .
- Choice C is correct.** (3.MD.C.7d) Part 1: $6 \times 4 = 24$ sq m. Part 2: $3 \times 3 = 9$ sq m. Total: $24 + 9 = 33$ sq m.
- Choice B is correct.** (3.NF.A.3d) Two thirds (with thirds) covers more area than two fourths (with fourths). Larger pieces means larger total.
- Choice D is correct.** (3.OA.B.6) In a fact-family triangle, the product is at the top and the factors are at the bottom. If $4 \times 6 = 24$, then $24 \div 4 = 6$. The factors are the answers when dividing.
- Choice A is correct.** (3.OA.D.9) Row A shows 3, 6, 9, 12, which are multiples of 3. Row B shows multiples of 5.
- Choice B is correct.** (3.MD.B.3) Kat's bar is 4 units, which is tallest. $4 \times 5 = 20$ books, the most.
- Choice B is correct.** (3.MD.C.7) Area = $10 \times 2 = 20$ square meters.
- Choice A is correct.** (3.OA.A.4) The fact family for 4, 9, and 36 has equations like $4 \times 9 = 36$ and $36 \div 9 = 4$. The equation $36 \div 6 = 6$ uses 6, not 4 or 9.
- Choice C is correct.** (3.MD.C.6) Count by rows: $5 + 5 + 5 + 5 = 20$ unit squares. This is one way to count area.



From Your Math Family

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.

Jay Daie

Your Math Family

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Build Skills. Boost Confidence.

Excel in Grade 3 Math!

This book provides 5 full-length Grade 3 math practice tests that follow standards and help students achieve real results.



5 Full-Length Practice Tests

Realistic tests to build stamina and familiarity.



Standards-Aligned Practice

Questions match Grade 3 math standards and key skills.



Answer Keys & Explanations

Detailed answers that show steps and clear reasoning.



Review & Master Skills

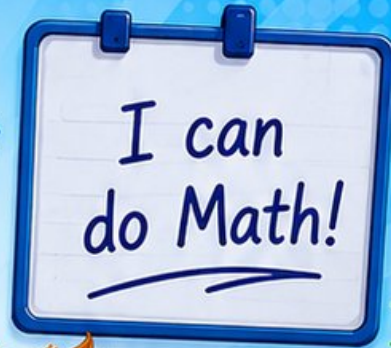
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- ✓ Measurement & Data
- ✓ Geometry
- ✓ Perimeter, Area & Volume
- ✓ Time & Money
- ✓ Data & Graphs
- ✓ Word Problems
- ✓ And More!



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$$\begin{array}{r} 7 \times 8 \\ = 56 \end{array}$$

$$\begin{array}{r} 36 \\ \div 4 = 9 \end{array}$$

$$\begin{array}{r} 452 \\ - 178 \\ \hline = 274 \end{array}$$



Everything Your Child Needs to Succeed in Grade 3 Math!



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Classroom Learning



Homework Support



Test Preparation



Extra Practice & Review