

7

Louisiana

LEAP

GRADE 5

MATHEMATICS

PRACTICE TESTS

✓
PRACTICE
PREPARE
SUCCEED

★★★

Comprehensive Standards-Aligned
Review for Strong Grade 5
Math Performance



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

$$2.4 + 1.6 = 4.0$$

$$A = \frac{bh}{2}$$



**7 FULL-LENGTH
PRACTICE TESTS**

Realistic style
questions



**STANDARDS-
ALIGNED**

Covers all Grade 5
standards



BUILD CONFIDENCE

Target weak areas
and improve
performance



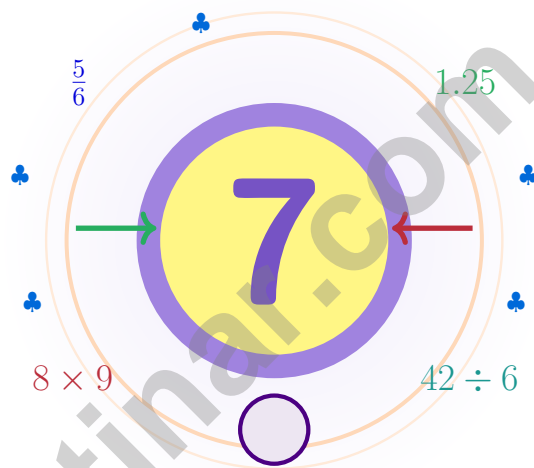
ACHIEVE SUCCESS

Develop skills,
stay prepared,
excel on test day

★ PRACTICE TODAY. PERFORM TOMORROW. **SUCCEED** FOREVER. ★

7 Louisiana LEAP Grade 5 Math Practice Tests

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



Seven full tests, a concise review, and helpful support that turns Grade 5 practice in The Pelican State into steady, confident growth from page one to the final check.

Jay Daie and Reza Nazari



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Louisiana, Steady Practice Starts Here

Seven full tests, seven lessons, one stronger mathematician

To Every Math Brain in Louisiana

This practice book is your steady companion for seven tests, not a place to be perfect. Math thinking flows like a Louisiana bayou – slow, deep, full of quiet curves, and going somewhere on purpose.

Use these seven tests like stepping-stones. Take one test at a time, check your answers honestly, and notice which skills need more attention. Small improvements add up across seven rounds.

Notice

Notice the numbers, units, and any tricky words.

Sketch

Sketch a picture, table, or quick number line.

Confirm

Confirm your answer with an estimate or check.

A strong habit for Louisiana mathematicians: read carefully, estimate when it helps, show your steps, and keep going even when a question feels tricky. That is how steady math confidence is built.

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Scan me



Use This Book Like a Trail Guide

A simple routine that turns practice into progress

Step 1: Plan

Plan a quiet hour for one full test.
Spend a few minutes waking up your memory before the test begins.

Step 2: Practice

Take the test with calm focus.
Work in a calm spot and focus on careful thinking before speed.

Step 3: Inspect

Inspect every answer like a careful builder.
Circle missed questions and notice which topics keep showing up.

Step 4: Adjust

Adjust what needs adjusting for the next test.
Read the explanation, repair the work, and bring that lesson into the next test.

A Good 7-Week Louisiana Rhythm

Week 1	Take Test 1 and read the bayou current.
Week 2	Take Test 2 and slow down on word problems.
Week 3	Take Test 3 and lift fraction and decimal work.
Week 4	Take Test 4 and pay close attention to labels and units.
Week 5	Take Test 5 and compare your habits with your first test.
Week 6	Take Test 6 and practice staying calm during tricky questions.
Week 7	Take Test 7 with calm strokes and careful focus.



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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

Customary

1 foot (ft) = 12 inches (in.)

1 yard (yd) = 3 feet (ft)

1 yard (yd) = 36 inches (in.)

Metric

1 meter (m) = 100 centimeters (cm)

1 centimeter (cm) = 10 millimeters (mm)

1 kilometer (km) = 1,000 meters (m)

CAPACITY

Customary

1 cup (c) = 8 fluid ounces (fl oz)

1 pint (pt) = 2 cups (c)

1 quart (qt) = 2 pints (pt)

1 gallon (gal) = 4 quarts (qt)

Metric

1 liter (L) = 1,000 milliliters (mL)

WEIGHT AND MASS

Customary

1 pound (lb) = 16 ounces (oz)

Metric

1 kilogram (kg) = 1,000 grams (g)

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TIME

1 minute (min) = 60 seconds (sec) 1 week = 7 days

1 hour (hr) = 60 minutes (min) 1 year = 12 months

1 day = 24 hours (hr) 1 year = 52 weeks



1) Which statement is *false*?

A. $0.5 = 0.500$

B. $0.05 = \frac{5}{100}$

C. $0.005 = 0.05$

D. $0.005 = \frac{5}{1000}$

2) Without calculating exactly, which has the larger value: $\frac{6}{7} \times 21$ or 21?

Record your answer in the space provided.

--

3) Which expression is greater: $50 \div (5 + 5)$ or $(50 \div 5) + 5$?

A. $50 \div (5 + 5)$

B. $(50 \div 5) + 5$

 C. The expressions are equal. D. Cannot be determined.

4) Diagram: Multiplying tens by hundreds. 30×200 can be shown as 3×2 with three place-value zeros. What is 30×200 ?

3×2	tens
--------------	-------------

hundreds	$= 6,000$
-----------------	-----------

A. 600

B. 6,000

C. 60,000

D. 600,000



- 5) Find: $1,176 \div 24$.

Record your answer in the space provided.

- 6) Multiply: $4\frac{1}{3} \times 1\frac{1}{2}$

A. $5\frac{5}{6}$

B. $7\frac{1}{3}$

C. $4\frac{1}{3}$

D. $6\frac{1}{2}$

- 7) Which pattern rule creates the ordered pairs (1, 3), (2, 6), (3, 9), and (4, 12)?

A. Add 2 to the input.

B. Multiply the input by 3.

C. Multiply the input by itself.

D. Double the input, then add 1.

- 8) Round 23.45 to the nearest whole number.

Tens	Ones	Tenths	Hundredths
2	3	4	5

A. 23

B. 23.4

C. 23.5

D. 24

- 9) Maya is building a model rectangular prism out of unit cubes. She uses 4 cubes along the length, 3 cubes along the width, and 5 cubes along the height. How many unit cubes does she use in total?

A. 12 unit cubes

B. 36 unit cubes

C. 60 unit cubes

D. 120 unit cubes



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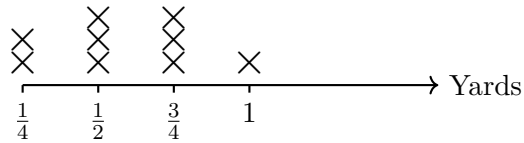
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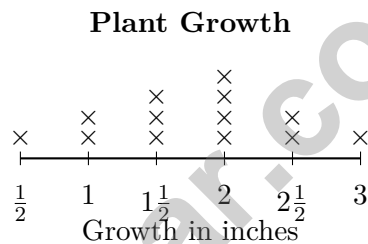
1) The line plot shows ribbon lengths in yards:



What is the total length of all ribbons shown?

- A. $5\frac{1}{4}$ yards C. 5 yards
 B. $4\frac{1}{2}$ yards D. 6 yards

2) The line plot shows plant growth measurements, in inches:



How many measurements were 2 inches or longer?

- A. 4 C. 6
 B. 5 D. 7

3) The expression $3 \times (5 + 2)$ is best described as:

- A. 3 more than $5 + 2$ C. 3 times $(5 + 2)$
 B. 3 less than $5 + 2$ D. $\frac{1}{3}$ of $5 + 2$



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1) Compare: $7 \times (40 - 10) \square 7 \times 40 - 7 \times 10$

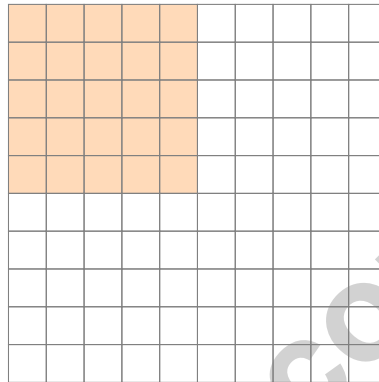
A. >

C. =

B. <

D. Cannot tell

2) Use the 10 by 10 grid. The shaded region shows $\frac{25}{100}$. What is this fraction in simplest form?



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

C. $\frac{2}{5}$

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

D. $\frac{4}{25}$

3) Three hikers cover $2\frac{1}{8}$ miles, $3\frac{5}{7}$ miles, and $1\frac{9}{11}$ miles. Estimate the total distance.

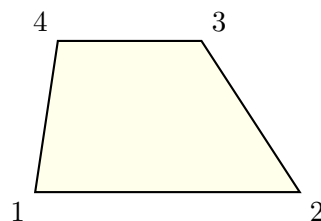
A. About 6 miles

C. About 8 miles

B. About 7 miles

D. About 9 miles

4) Look at the shape. How many obtuse angles does it have?



A. 0

C. 2

B. 1

D. 4



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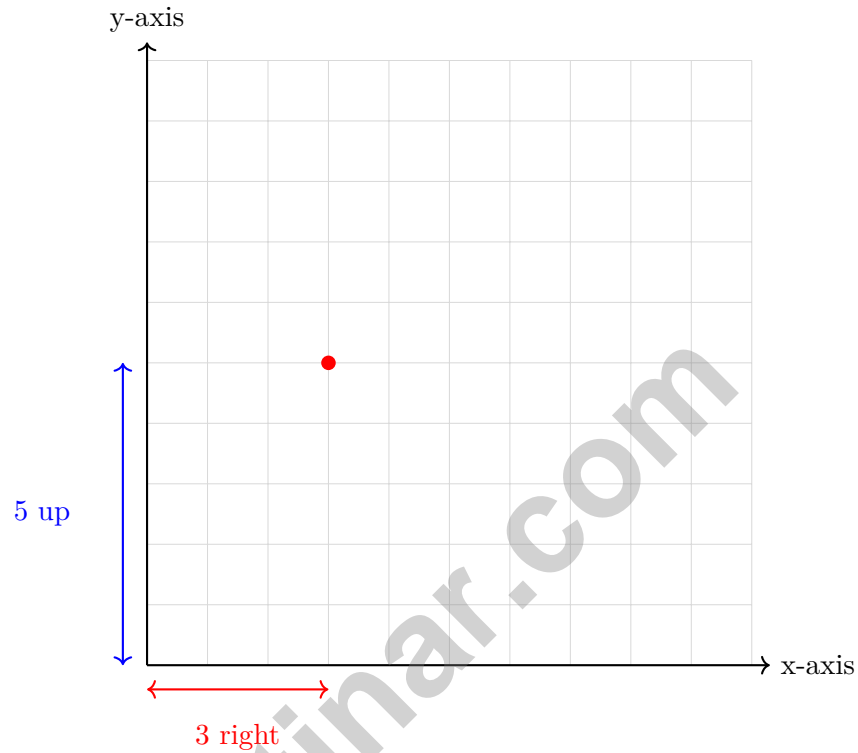
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- 1) A student wrote the ordered pair $(5, 3)$ to describe a point that is 3 units right and 5 units up. What is the student's error?



- A. The x-coordinate and y-coordinate are swapped
- B. Both coordinates are too large by 2
- C. The point should be $(3, 3)$
- D. The axes are labeled incorrectly



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

- 1) **Choice C is correct.** **(5.NBT.A.1)** 0.005 is five thousandths and 0.05 is five hundredths. They are not equal: $0.005 < 0.05$.
- 2) **The correct answer is 21.** **(5.NF.B.5c)** Since $\frac{6}{7} < 1$, multiplying 21 by $\frac{6}{7}$ gives a value less than 21. So 21 is larger.
- 3) **Choice B is correct.** **(5.OA.A.2)** The first expression divides 50 by the larger divisor $(5 + 5)$. The second expression divides by 5 and then adds 5 more, so the second expression is greater.
- 4) **Choice B is correct.** **(5.NBT.A.2)** Multiply the nonzero parts first: $3 \times 2 = 6$. The factors 30 and 200 have three zeros total, so the product is 6,000.
- 5) **The correct answer is 49.** **(5.NBT.B.6)** $24 \times 50 = 1,200$ is too big. Try $24 \times 49 = 1,176$ exactly. Quotient: 49.
- 6) **Choice D is correct.** **(5.NF.B.5c)** Convert to improper fractions: $4\frac{1}{3} = \frac{13}{3}$ and $1\frac{1}{2} = \frac{3}{2}$. Then $\frac{13}{3} \times \frac{3}{2} = \frac{13}{2} = 6\frac{1}{2}$.
- 7) **Choice B is correct.** **(5.G.A.2)** Check the pattern in the pairs: $1 \times 3 = 3$, $2 \times 3 = 6$, $3 \times 3 = 9$, and $4 \times 3 = 12$.
- 8) **Choice A is correct.** **(5.NBT.A.4)** The tenths place is 4. Since 4 is less than 5, round down. 23.45 rounded to the nearest whole number is 23.
- 9) **Choice C is correct.** **(5.MD.C.5a)** Volume = $4 \times 3 \times 5 = 60$ unit cubes.
- 10) **Choice C is correct.** **(5.NBT.B.5)** Use partial products: $362 \times 20 = 7,240$ and $362 \times 4 = 1,448$. Add them: $7,240 + 1,448 = 8,688$.
- 11) **The correct answer is $\frac{1}{4}$.** **(5.NF.B.5c)** Multiply first: $\frac{5 \times 3}{6 \times 10} = \frac{15}{60}$. Since 15 is one fourth of 60, the product is $\frac{1}{4}$.
- 12) **Choice A is correct.** **(5.NF.B.7c)** Start with one unit fraction, $\frac{1}{5}$, and share it into 3 equal parts. Each part is $\frac{1}{5} \div 3 = \frac{1}{15}$ of the whole.
- 13) **Choice C is correct.** **(5.MD.C.4)** Front layer: 8 cubes. Depth of 3: $8 \times 3 = 24$ unit cubes total.
- 14) **Choice D is correct.** **(5.OA.B.3)** Game A inventory is always 5 times Game B: $10 \times 5 = 50$, $20 \times 5 = 100$, $30 \times 5 = 150$, $40 \times 5 = 200$.
- 15) **Choice A is correct.** **(5.MD.C.5a)** $V = B \times h = 32 \times 9 = 288 \text{ in}^3$.
- 16) **Choice D is correct.** **(5.NF.A.1)** Write $11 = 10\frac{3}{3}$. Then $10\frac{3}{3} - 4\frac{2}{3} = 6\frac{1}{3}$.
- 17) **Choice A is correct.** **(5.G.B.4)** A quadrilateral is any four-sided polygon. Since every parallelogram has four sides, every parallelogram is also a quadrilateral.
- 18) **Choice D is correct.** **(5.NF.A.2a)** Listing multiples helps you find the smallest number both denominators divide into evenly. That smallest shared multiple is the least common denominator.
- 19) **Choice B is correct.** **(5.NF.A.1)** Subtract: $5 - 2\frac{1}{4} = 2\frac{3}{4}$.
- 20) **Choice B is correct.** **(5.NBT.A.2)** Dividing by a power of 10 shifts the value to a smaller place. $6,500 \div 100 = 65$ seeds per packet. This confirms the answer.
- 21) **Choice C is correct.** **(5.MD.C.5)** Total is 5 miles. Sum of known segments: $1.2 + 1.3 + 1.1 = 3.6$ miles. Final segment: $5 - 3.6 = 1.4$ miles.
- 22) **Choices A, B are correct.** **(5.MD.B.2)** The value $\frac{1}{2}$ appears two times, more than any other value. There are four measurements total, so C and D do not fit the data.
- 23) **The correct answer is $\frac{2}{3}$.** **(5.NF.A.2a)** Reduce each fraction by dividing the numerator and denominator by the same number. $\frac{6}{9}$ and $\frac{8}{12}$ both simplify to $\frac{2}{3}$.
- 24) **Choice C is correct.** **(5.NF.B.7c)** Use total amount divided by the size of one piece. The equation is $5 \div \frac{1}{8} = n$.
- 25) **The correct answer is 40.** **(5.NF.B.7c)** Each whole contains 4 fourths. Ten wholes contain $10 \times 4 = 40$ fourths, so the quotient is 40.
- 26) **Choice C is correct.** **(5.OA.A.1)** The map already gives the path. First $9 - 5 = 4$, then $4 + 1 = 5$, and the outer step is $5 \times 3 = 15$.
- 27) **Choice D is correct.** **(5.NF.A.2a)** $\frac{1}{5} = \frac{2}{10}$. $\frac{9}{10} - \frac{2}{10} = \frac{7}{10}$.
- 28) **Choice B is correct.** **(5.NF.B.5c)** $10 \times \frac{6}{5} = 12$ units. Since $\frac{6}{5} > 1$, the scaled length is larger than 10 units.
- 29) **Choice B is correct.** **(5.NBT.A.2)** $156 \times 10 = 1,560$. The total cost is \$1,560.



Hello, Mathematician!

* You completed seven practice tests, and that means you practiced accuracy. Accuracy is the skill of getting the details right—place value, signs, units, and careful reading. *

◇ **A helpful truth:** most missed points come from small errors, not big ones. The good news is that small errors are fixable—especially when you check your work. ◇

My Accuracy Check

- **Digits:** did I copy numbers correctly?
- **Operation:** did I choose the correct operation?
- **Units:** does the answer match the unit in the question?
- **Reasonable:** does the answer make sense?

You've trained your brain to be careful. Bring that same careful thinking to test day—you'll do great. Reach me at reza@testinar.com if you want to share your progress.

Reza Nazari & Jay Daie

Your Math Coaches (Be Accurate)

Testinar.com

PRACTICE TODAY. PERFORM TOMORROW.

Success in math starts with practice! This book provides the **practice, confidence, and skills** your child needs to excel on the Grade 5 Math test and beyond.

KEY BENEFITS:



TARGETED PRACTICE

Focus on the most important Grade 5 math skills.



STANDARD-ALIGNED

All tests align with state standards for Grade 5.



BUILD CONFIDENCE

Strengthen skills, reduce test anxiety, and boost confidence.



IMPROVE PERFORMANCE

Timed practice helps improve speed and accuracy.



ACHIEVE SUCCESS

Develop strong test-taking skills and achieve your best score!

PERFECT FOR:

✓ Classroom Practice

✓ Homework Help

✓ Test Preparation

✓ Summer Learning

✓ On-the-Go Practice

✓
PRACTICE
PREPARE
SUCCEED



STRONG SKILLS. BRIGHT FUTURE.

Give your child the tools they need to succeed in math and in life!



Visit testinar.com/math5 for more Grade 5 math resources and practice materials!



TRUSTED
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Quality resources you can trust.



DESIGNED
FOR SUCCESS

Proven practice for real results.



SUPPORT
YOUR CHILD

Every step of the way.