

5

FULL-LENGTH

Florida

FAST

GRADE 5 MATH

★ PRACTICE TESTS ★



**5 FULL-LENGTH
PRACTICE TESTS**



**COMPLETE
STANDARDS
REVIEW**



**SKILL PRACTICE,
WORD PROBLEMS,
AND MORE!**

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



$$12 \times 3 = 36$$



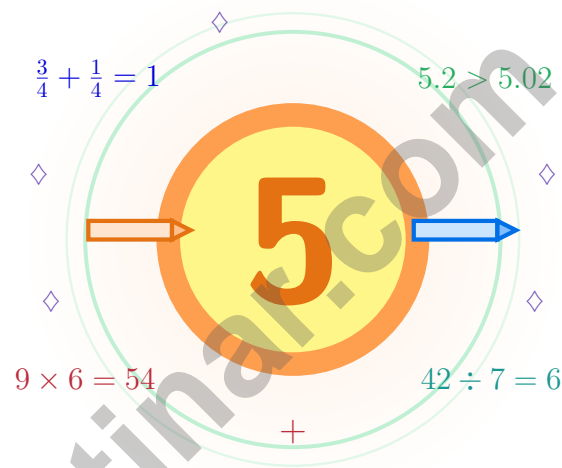
$$\frac{7}{10} = 0.7$$



BUILT FOR SUCCESS. DESIGNED TO HELP EVERY STUDENT.

5 Florida FAST Grade 5 Math Practice Tests

Five practice tests woven into one calm, steady routine



Five full tests, a friendly quick review, smart strategy pages, and student-tested support that turn Grade 5 practice in The Sunshine State into a steady quest of real growth.

Jay Daie and Reza Nazari



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Open the Quest Map, Florida

Five practice tests woven into one calm, steady routine

Welcome Letter for Florida Math Crew

This book is your practice zone, not a place to be perfect. Each of the five tests gives you a chance to notice clues, choose a strategy, check your thinking, and come back stronger for the next round. Strong math work moves like a manatee in clear water: slow, steady, and full of quiet power.

Some questions will feel easy right away. Some will make you slow down, draw, estimate, or retry. That is excellent news. It means your math brain is doing real work.

Watch

Watch what the question really wants from you.

Try

Try a strategy that matches the size of the numbers.

Polish

Polish your steps, units, and final answer.

A strong quest habit for Florida: slow down, write neatly, estimate before you solve, and keep going even when a problem looks tricky at first. That is exactly how confident math students are built.

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A Map of the Pages

A simple routine that turns five tests into real growth

Step 1: Plan

Plan a quiet hour for one full test.
Wake up important ideas before you begin so your brain is ready to use them.

Step 2: Practice

Take the test with calm focus.
Find a quiet space, work carefully, and let accuracy matter more than speed.

Step 3: Inspect

Inspect every answer like a careful builder.
Circle missed questions and look for patterns. Which skill or habit needs another try?

Step 4: Adjust

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

A Five-Week Florida Quest Map

Week	Mission Focus
Week 1	Take Test 1 like a clear morning paddle. Smooth, calm, careful.
Week 2	Take Test 2 and compare. Find one habit that grew brighter.
Week 3	Take Test 3 and polish fractions, decimals, and conversions.
Week 4	Take Test 4 and slow down on multi-step word problems.
Week 5	Take Test 5 with sunshine focus and careful checking.



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Grade 5 Mathematics Reference Materials

PERIMETER AND AREA

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1) Which expression is closest to $\frac{1}{2}$?

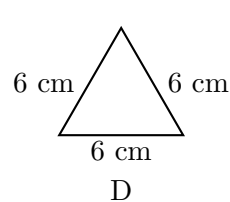
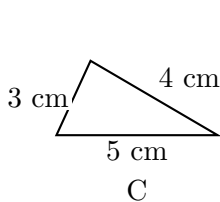
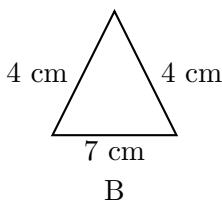
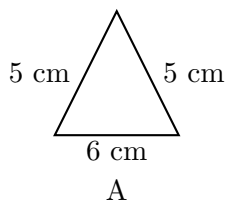
A. $\frac{1}{6} + \frac{1}{8}$

C. $\frac{1}{10} + \frac{1}{12}$

B. $\frac{1}{3} + \frac{1}{6}$

D. $\frac{3}{4} + \frac{1}{5}$

2) Which triangle has three sides of different lengths?



A. A

C. C

B. B

D. D

3)

Property	Figures with this property
All sides equal	Rhombus, Square
All angles 90°	Rectangle, Square
Two pairs of parallel sides	Parallelogram, Rectangle, Rhombus, Square

Based on the table, which is a special type of both a rectangle and a rhombus?

A. Parallelogram

C. Square

B. Trapezoid

D. Pentagon

4) A shelf has 9 feet of space. Each book set uses one third foot. Which division equation matches the situation?

A. $\frac{1}{3} \div 9 = n$

C. $9 \times \frac{1}{3} = n$

B. $9 + \frac{1}{3} = n$

D. $9 \div \frac{1}{3} = n$



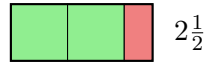
5) Which value does NOT equal 0.7?

A. 0.70

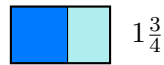
C. 0.07

B. 0.700

D. $\frac{7}{10}$



6)



Bar model: $2\frac{1}{2} + 1\frac{3}{4} = ?$

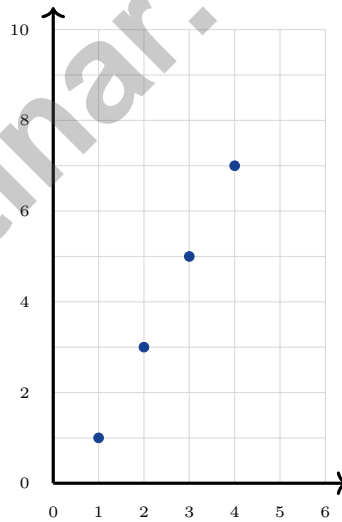
A. $4\frac{1}{4}$

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

B. $4\frac{1}{2}$

D. 5

7) Which rule best describes the pattern graphed below?



A. Triple the first coordinate, then subtract 2

C. Subtract 1 from the first coordinate

B. Add 1 to the first coordinate

D. The second coordinate is double the first coordinate minus 1.



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- 1) Error analysis: Tasha added $\frac{3}{4} + \frac{2}{5}$ and got $\frac{5}{9}$. What error did she make?
- A. She found the correct sum. C. She forgot to simplify.
- B. She did not find a common denominator. D. She subtracted instead of added.
- 2) What is $4 \div \frac{1}{4}$?
- A. 16 C. 8
- B. 1 D. 4
- 3) When 4 is scaled by $\frac{3}{2}$, what is the product?
- A. 2 C. 6
- B. 4 D. 8
- 4) A student buys fabric for a project. She needs 2.5 yards per garment and makes 8 garments. How much fabric does she use?
- A. 18 yards C. 20 yards
- B. 19 yards D. 22 yards
- 5) Convert 0.5 kilograms to grams.
- A. 5 g C. 500 g
- B. 50 g D. 5,000 g
- 6) Which polygon is a regular polygon?



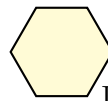
A



B



C



D

- A. A
- B. B

- C. C
- D. D



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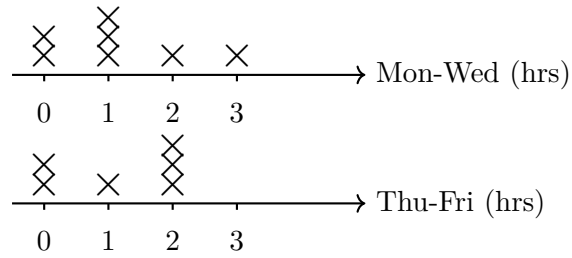
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1) Two line plots show hours of homework:



What is the total homework hours for the week?

- A. 12 hours
- B. 13 hours
- C. 14 hours
- D. 15 hours

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Grade 5 Mathematics Reference Materials

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1) Which is 1.2 multiplied by 1,000?

- A. 12
 B. 120

- C. 1,200
 D. 12,000

2) Find: $4 \div \frac{1}{5}$.

Record your answer in the space provided.

Start

96.3

move decimal
left

?

After $\div 1,000$

How many
places?

3)

When dividing 96.3 by 1,000, how many places does the decimal move to the left, and what is the result?

- A. 1 place; 9.63
 B. 2 places; 0.963

- C. 3 places; 0.0963
 D. 4 places; 0.00963

4) What is 0.36×10 as a decimal?

- A. 0.36
 B. 36

- C. 0.036
 D. 3.6



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 B is correct.** **(MA.5.FR.2.2)** A is less than $\frac{1}{2}$, B equals $\frac{1}{2}$, C is close to 0, and D is close to 1. So B is closest to $\frac{1}{2}$.
- 2) **Choice C is correct.** **(MA.5.GR.1.1)** Triangle C has side labels 3 cm, 4 cm, and 5 cm. Since all three side lengths are different, Triangle C is scalene.
- 3) **Choice C is correct.** **(MA.5.GR.1.2)** A square has all the properties of a rectangle (all angles 90°) AND all the properties of a rhombus (all sides equal).
- 4) **Choice D is correct.** **(MA.5.AR.1.3)** Use total amount divided by the size of one piece. The equation is $9 \div \frac{1}{3} = n$.
- 5) **Choice C is correct.** **(MA.5.NSO.1.3)** 0.07 equals 7 hundredths, not 7 tenths. The other choices all equal 0.7.
- 6) **Choice A is correct.** **(MA.5.FR.2.1)** Convert to fourths: $2\frac{2}{4} + 1\frac{3}{4} = 3\frac{5}{4} = 4\frac{1}{4}$.
- 7) **Choice D is correct.** **(MA.5.GR.4.2)** Check: first coordinates 1, 2, 3, and 4 give second coordinates 1, 3, 5, and 7 when doubled and then reduced by 1.
- 8) **Choice C is correct.** **(MA.5.AR.1.1)** Choose the operation from the story, then keep the unit with the answer. Multiply: $8 \times 45 = 360$ seeds. This confirms the answer.
- 9) **Choice B is correct.** **(MA.5.GR.3.1)** The base is $36 \times 12 = 432$ square inches. With a height of 48 inches, the volume is $432 \times 48 = 20,736$ cubic inches.
- 10) **Choice D is correct.** **(MA.5.NSO.2.2)** Multiply: $43 \times 6 = (40 \times 6) + (3 \times 6) = 240 + 18 = 258$.
- 11) **The correct answer is 1.** **(MA.5.M.2.1)** Mia drinks $250 \times 4 = 1,000$ mL. Since 1,000 mL equals 1 liter, she drinks 1 liter that day.
- 12) **The correct answer is $\frac{1}{3}$.** **(MA.5.GR.2.1)** $2 \times 3 = 6$ parts; overlap is $1 \times 2 = 2$ parts: $\frac{2}{6} = \frac{1}{3}$.
- 13) **Choice D is correct.** **(MA.5.FR.2.1)** $\frac{1}{5} = \frac{2}{10}$. If $\frac{7}{10} - x = \frac{2}{10}$, then $x = \frac{5}{10}$.
- 14) **Choice B is correct.** **(MA.5.FR.2.3)** $52 \times 10 = 520$. Multiply by 10 by appending one zero.
- 15) **Choice A is correct.** **(MA.5.AR.2.1)** Each small section represents $(18 + 2)$. Bar B has 2 sections, so it represents $2 \times (18 + 2)$.
- 16) **Choice B is correct.** **(MA.5.AR.1.3)** Each whole contains 3 pieces of size $\frac{1}{3}$. With 2 wholes, there are $2 \times 3 = 6$ pieces.
- 17) **Choice A is correct.** **(MA.5.FR.2.3)** Multiplying by $\frac{1}{2}$ is like taking half. Half of 32 is 16, which is less than 32.
- 18) **Choices A, B are correct.** **(MA.5.AR.1.2)** Taking one half of three fourths means multiply: $\frac{1}{2} \cdot \frac{3}{4} = \frac{3}{8}$. Choice C doubles instead of halves, and D reverses the scaling.
- 19) **Choice B is correct.** **(MA.5.GR.4.2)** Check the matching terms: $1 \times 4 = 4$, $3 \times 4 = 12$, $5 \times 4 = 20$, and $7 \times 4 = 28$.
- 20) **Choice C is correct.** **(MA.5.NSO.2.4)** The hundredths digit is 8, so round 0.789 up to the next tenth: 0.8.
- 21) **Choice B is correct.** **(MA.5.NSO.1.2)** The tenths place is the first position after the decimal point. In 3.915, the tenths digit is 9.
- 22) **Choice B is correct.** **(MA.5.FR.2.1)** $\text{LCM}(9,3) = 9$. $\frac{1}{3} = \frac{3}{9}$. $\frac{4}{9} + \frac{3}{9} = \frac{7}{9}$.
- 23) **Choice D is correct.** **(MA.5.FR.2.3)** A is false: $0.13 \times 100 = 13 < 130 = 0.13 \times 1000$. B is true: $13 = 13$. C is false: $0.13 \times 10 = 1.3 = 1.3$ (equal, not greater). D is false: $0.013 \times 100 = 1.3 = 1.3$ (equal).
- 24) **The correct answer is 3.** **(MA.5.M.1.1)** $36 \div 12 = 3$ feet. Since 12 inches make 1 foot, 36 inches makes 3 full feet.
- 25) **The correct answer is 8 cm.** **(MA.5.GR.3.1)** Divide the volume by the base area: $240 \div 30 = 8$, so the height is 8 cm.
- 26) **Choice D is correct.** **(MA.5.GR.4.1)** Each term is twice the term before it: 3 becomes 6, 6 becomes 12, and 12 becomes 24. Keep that same rule, so $24 \times 2 = 48$.
- 27) **Choice A is correct.** **(MA.5.NSO.1.1)** A digit in the hundredths place is worth hundredths. The digit 5 means 5 hundredths, which is 0.05.
- 28) **Choice D is correct.** **(MA.5.GR.3.2)** Volume counts cubic units inside the whole solid. Splitting into non-overlapping prisms lets you add the cubic units from each part.
- 29) **Choice D is correct.** **(MA.5.FR.2.3)** Two groups of $2\frac{1}{3}$ are $2\frac{1}{3} + 2\frac{1}{3} = 4\frac{2}{3}$. The student's answer $4\frac{1}{3}$ shows they doubled the whole number 2 to 4 but left the $\frac{1}{3}$ unchanged.



Hey there, Master Engineer!

★ Excellent engineering work! You've successfully designed and tested five complete mathematical systems, applying principles, calculating specifications, and optimizing solutions like a professional engineer! Every problem presented unique design challenges, and you approached each one methodically, testing your designs and making improvements. Your engineering mindset has developed beautifully! ★

◇ **Here's what successful engineers know:** great engineering requires planning, calculation, testing, and refinement. Engineers build prototypes, identify weaknesses, and improve their designs iteratively. You've practiced that exact engineering cycle through these five tests! Each test helped you refine your mathematical engineering skills, and now your designs are structurally sound and ready for implementation! ◇

Engineering Quality Control

- **System Design:** Your problem-solving frameworks are logically structured!
- **Precision Engineering:** You calculate with accuracy and attention to detail!
- **Stress Testing:** You've proven your methods work under challenging conditions!
- **Project Approved:** Your mathematical engineering is ready for deployment!

Remember this engineering principle: well-designed systems function reliably when needed. You've engineered five successful mathematical systems. On test day, deploy your proven designs with confidence. If you encounter an unexpected specification, apply your engineering principles to design an appropriate solution. Your training has prepared you for any design challenge!

Want to share your mathematical engineering innovations or discuss an elegant system design? Submit your technical specifications to reza@testinar.com. I appreciate innovative engineering!

Reza Nazari & Jay Daie

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Build confidence and master math with **5 full-length** practice tests designed to reflect the real test experience. This book provides the practice, review, and support students need to succeed in Grade 5 and beyond!

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practice



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