

# 8

FULL-LENGTH

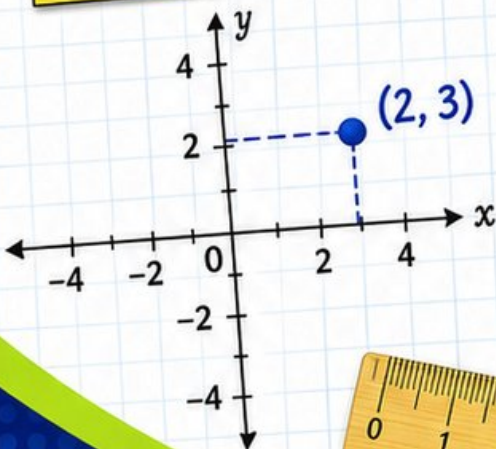
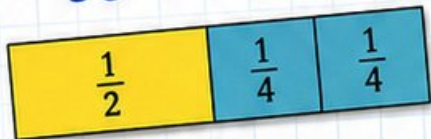
# Florida FAST

## GRADE 5

# MATH PRACTICE TESTS

Mixed Practice Questions with Answer Key  
for Students, Parents, and Teachers

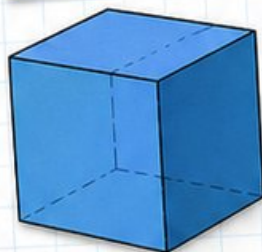
$$36 \div 4 = 9$$



$$2.4 \times 7 = 16.8$$

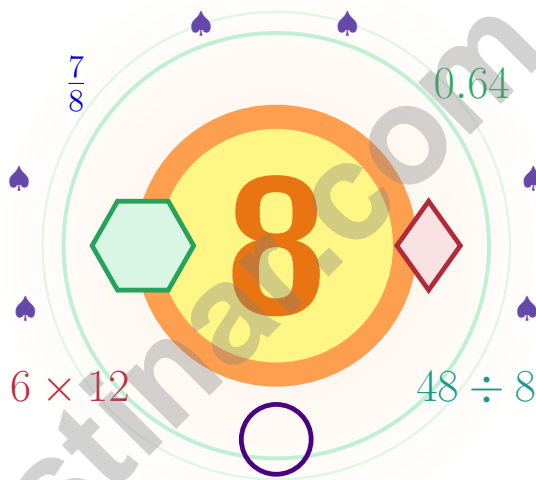
$$7 \times (12 - 5) = 49$$

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100



# 8 Florida FAST Grade 5 Math Practice Tests

*Seven practice tests woven into one calm routine*



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

**Jay Daie and Reza Nazari**



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# Hello, Florida – Eight Tests, Steady Growth

Seven chances to read carefully, solve smartly, and grow stronger

## To Florida Students Who Love a Puzzle

This practice book is your steady companion for eight tests, not a place to be perfect. Strong math work moves like a manatee in clear water: slow, steady, and full of quiet power.

Use these eight 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.

### Read

Read every word twice and underline what is asked.

### Solve

Choose the cleanest method and show your steps.

### Reflect

Look back to find what worked and what to fix.

**A strong habit for Florida 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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# How This Book Wants to Help

A simple routine that turns practice into progress

## Step 1: Power Up

**Sharpen your math brain with the quick review.**

Spend a few minutes waking up your memory before the test begins.

## Step 2: Trail Run

**Take a full practice test in a quiet spot.**

Work in a calm spot and focus on careful thinking before speed.

## Step 3: Debrief

**Score honestly and circle missed questions.**

Circle missed questions and notice which topics keep showing up.

## Step 4: Repair

**Fix the missed work and lock the lesson in.**

Read the explanation, repair the work, and bring that lesson into the next test.



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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)

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1 gallon (gal) = 4 quarts (qt)

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### WEIGHT AND MASS

#### Customary

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### TIME

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

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



1) A shape is a closed polygon with 5 straight sides and 5 vertices. Which statement correctly describes the shape?

- A. It is a pentagon.  C. It must be a rectangle.  
 B. It is a quadrilateral.  D. It has curved sides.

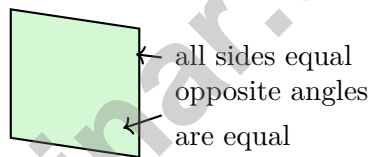
2) Which calculation is FALSE?

- A.  $0.95 \div 10 = 0.095$   C.  $8.4 \div 10 = 8.4$   
 B.  $37 \div 1000 = 0.037$   D.  $6.1 \div 100 = 0.061$

3) Two friends are cutting rope. One piece is  $\frac{3}{5}$  meter and the other is  $\frac{1}{4}$  meter. What is the total length?

- A.  $\frac{4}{9}$  meter  C.  $\frac{3}{20}$  meter  
 B.  $\frac{17}{20}$  meter  D. 1 meter

4)

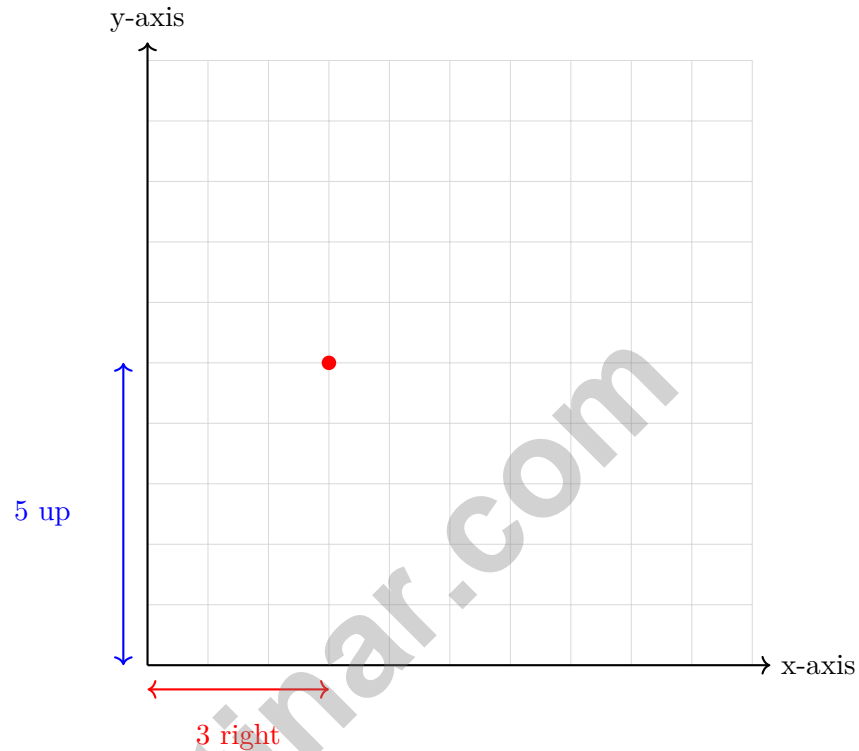


What is the BEST name for this figure?

- A. Parallelogram  C. Rectangle  
 B. Rhombus  D. Trapezoid



- 5) 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
- 6) An error was made. Student A says  $\frac{1}{2} = \frac{2}{3}$ . What is the mistake?
- A. Different denominators without equivalent form
- B. Denominators were added wrong
- C. Common denominator is wrong
- D. Numerators don't match



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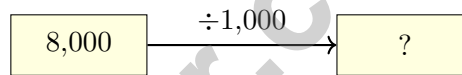
1) A student wrote the expanded form of 9.452 as  $9 + 0.4 + 0.005 + 0.002$ . What error did the student make?

- A. This is the correct expanded form for 9.452.
  B. The hundredths term should be 0.05, not 0.005.
  C. The expanded form has five place values, but we can only use four.
  D. The student added fractions instead of decimal values.

2) Pattern: 3, 6, 11, 18, 27, ... The differences increase by 2 each time: add 3, then 5, then 7, then 9. What is next?

- A. 34
  B. 36
  C. 38
  D. 40

3) Show the division with a place-value arrow diagram:



What is  $8,000 \div 1,000$ ?

- A. 800
  B. 80
  C. 8
  D. 0.8

4) The table shows several products and their number of trailing zeros. Based on the pattern, how many zeros does  $300 \times 400$  have?

Expression	Product	Zeros
$3 \times 4$	12	0
$30 \times 40$	1,200	2
$300 \times 40$	12,000	3
$300 \times 400$	?	?

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



## Grade 5 Mathematics Reference Materials

### PERIMETER AND AREA

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

Area of Rectangle  $A = l \times w$

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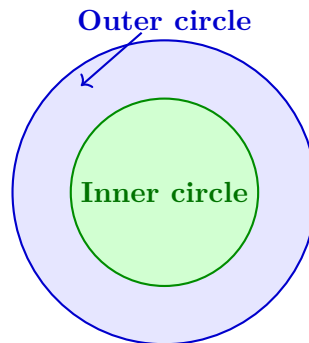
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- 1) In a Venn diagram with an outer circle and an inner circle, which labels make a correct relationship?



- A. Triangles inside quadrilaterals       C. Pentagons inside quadrilaterals  
 B. Circles inside polygons             D. Rectangles inside parallelograms
- 2) Which decimal represents “two and thirty-seven hundredths”?
- A. 0.237                                       C. 23.7  
 B. 2.037                                       D. 2.37
- 3) Estimate  $5\frac{1}{6} + 2\frac{7}{8}$  by rounding each mixed number to the nearest whole number.

*Record your answer in the space provided.*

- 4) Which expression does NOT equal 0.73?
- A.  $73 \div 100$                                        C.  $730 \div 1000$   
 B.  $7.3 \div 10$                                        D.  $73 \div 10$



## 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  $V = l \times w \times h$

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

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### TIME

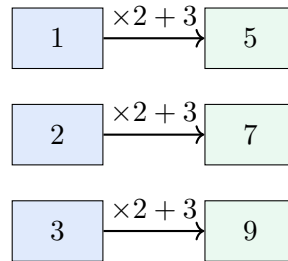
1 minute (min) = 60 seconds (sec)    1 week = 7 days

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



- 1) Use the rule shown in the arrow diagram to find which input gives 13.



Which input would give an output of 13?

- |                               |                               |
|-------------------------------|-------------------------------|
| <input type="checkbox"/> A. 4 | <input type="checkbox"/> C. 7 |
| <input type="checkbox"/> B. 5 | <input type="checkbox"/> D. 8 |
- 2) A triangle has one angle of 90 degrees and sides marked as all different. What type is it?
- |   |  |
|---|--|
| <input type="checkbox"/> A. Acute scalene   | <input type="checkbox"/> C. Obtuse isosceles |
| <input type="checkbox"/> B. Acute isosceles | <input type="checkbox"/> D. Right scalene    |
- 3) A prism has volume  $144 \text{ cm}^3$ , length 6 cm, and height 4 cm. Find its width.

*Record your answer in the space provided.*

- 4) Which expression is “half of the sum of 12 and 8”?

- |   |  |
|---|--|
| <input type="checkbox"/> A. $\frac{1}{2} \times 12 + 8$ | <input type="checkbox"/> C. $12 + \frac{8}{2}$ |
| <input type="checkbox"/> B. $\frac{12 + 8}{2}$          | <input type="checkbox"/> D. $\frac{12}{2} + 8$ |



## 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 A is correct.** (MA.5.GR.1.1) A pentagon is a polygon with 5 straight sides and 5 vertices. A quadrilateral has 4 sides, and a rectangle is a type of quadrilateral.
- Choice C is correct.** (MA.5.FR.2.3) A, B, D are all true. C is FALSE:  $8.4 \div 10 = 0.84$ , not 8.4. (Dividing doesn't leave the number unchanged.)
- Choice B is correct.** (MA.5.FR.2.1)  $\text{LCM}(5,4) = 20$ .  $\frac{3}{5} = \frac{12}{20}$  and  $\frac{1}{4} = \frac{5}{20}$ .  $\frac{12}{20} + \frac{5}{20} = \frac{17}{20}$  meter.
- Choice B is correct.** (MA.5.GR.1.2) A rhombus is a quadrilateral with all sides equal. If opposite angles are also equal, it is a rhombus (not necessarily a square).
- Choice A is correct.** (MA.5.GR.4.1) The student confused the order. The correct pair is (3,5): 3 units right (x-coordinate) and 5 units up (y-coordinate). The student wrote (5,3), which swaps them.
- Choice A is correct.** (MA.5.FR.2.1)  $\frac{1}{2}$  and  $\frac{2}{3}$  have different denominators. With LCD 6:  $\frac{1}{2} = \frac{3}{6} \neq \frac{4}{6} = \frac{2}{3}$ .
- Choice C is correct.** (MA.5.AR.1.1) Multiply:  $18.50 \times 20 = 370$  dollars per week.
- Choice C is correct.** (MA.5.AR.1.1) The base is  $14 \times 10 = 140$  square feet. With a height of 8 feet, the volume is  $140 \times 8 = 1,120$  cubic feet.
- Choice A is correct.** (MA.5.AR.2.2) 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 6 ft.** (MA.5.GR.3.1) The base area is  $7 \times 5 = 35$  square feet. Since  $210 \div 35 = 6$ , the height is 6 ft.
- Choice B is correct.** (MA.5.GR.3.1)  $105 \times 10 = 1050$ . Append one zero to 105.
- Choice C is correct.** (MA.5.FR.2.3) Add:  $2\frac{1}{3} + 3\frac{2}{3} = 5\frac{3}{3} = 6$  ft.
- Choice D is correct.** (MA.5.GR.2.1) In an area model, divide one dimension into 2 equal parts (for  $\frac{1}{2}$ ) and the other into 3 equal parts (for  $\frac{1}{3}$ ). The overlapping shaded region is 1 out of 6 total squares, so the product is  $\frac{1}{6}$ .
- Choice D is correct.** (MA.5.AR.2.1) The tape diagram shows A as one unit. B is made of two of those same units, so B is twice A.
- Choice A is correct.** (MA.5.GR.4.2) Adding the same input twice is the same as multiplying it by 2. So  $x + x$  can be written as  $2x$ .
- Choice B is correct.** (MA.5.NSO.2.2)  $735 \div 15 = 49$ . Check:  $15 \times 49 = 735$ .
- Choice D is correct.** (MA.5.NSO.2.2) 1 gallon = 4 quarts = 8 pints = 16 cups. So 3 gallons =  $3 \times 16 = 48$  cups.
- Choices A, B are correct.** (MA.5.GR.1.1) Every triangle has exactly 3 sides and 3 vertices. Some triangles have a right angle, but many triangles do not.
- Choice A is correct.** (MA.5.GR.4.2) Dividing each term in Sequence 1 by 5 gives Sequence 2:  $5 \div 5 = 1$ ,  $10 \div 5 = 2$ ,  $15 \div 5 = 3$ , etc.
- Choice D is correct.** (MA.5.GR.3.3) Use the rectangular-prism volume formula:  $12 \times 7 \times 2 = 168$ . So the volume is 168 cubic meters.
- Choice D is correct.** (MA.5.FR.2.3)  $1\frac{3}{4} \times 8 = \frac{7}{4} \times 8 = \frac{56}{4} = 14$  yards.
- The correct answer is 1.** (MA.5.AR.1.2)  $\frac{2}{3} \times \frac{3}{2} = 1$  liter.
- Choice C is correct.** (MA.5.AR.1.2) Division comes first:  $18 \div 6 = 3$ . Now the expression is  $3 + 3 - 1$ , which equals 5.
- The correct answer is  $\frac{12}{16}$ .** (MA.5.AR.2.2) Multiply numerator and denominator by 4:  $\frac{3 \times 4}{4 \times 4} = \frac{12}{16}$ .
- The correct answer is  $\frac{1}{8}$ .** (MA.5.FR.2.1)  $\frac{1}{4} \div 2 = \frac{1}{4} \times \frac{1}{2} = \frac{1}{8}$ .
- Choice D is correct.** (MA.5.AR.1.3) A power of 10 tells how many factors of 10 to use.  $10^6 = 1000000$  has 6 zeros. This confirms the answer.
- Choice A is correct.** (MA.5.AR.1.2) Shipped:  $\frac{1}{4} + \frac{1}{3} = \frac{3}{12} + \frac{4}{12} = \frac{7}{12}$ . Remaining:  $1 - \frac{7}{12} = \frac{5}{12}$ .
- Choice A is correct.** (MA.5.NSO.1.3) 0.6 (6 tenths) > 0.06 (6 hundredths). A rise of 0.6 degrees is 10 times larger.
- Choice D is correct.** (MA.5.FR.2.3)  $0.5 \div 10,000$  moves the decimal four places left, giving 0.00005.
- Choice C is correct.** (MA.5.FR.2.3) LCD = 20.  $\frac{7}{10} = \frac{14}{20}$ ;  $\frac{1}{4} = \frac{5}{20}$ .  $\frac{14}{20} - \frac{5}{20} = \frac{9}{20}$ .



### Notes From Your Math Architect

#### Dear Builder of Big Ideas,

◇ Across 8 practice tests, you laid down brick after brick of math skill. The foundation is solid. The walls are strong. The roof is in place. You've built yourself a study sturdy enough to stand any storm test day might bring. ◇

★ **What architects know:** a great building starts with a great plan. You've practiced planning—reading carefully, picking your strategy, and working step by step. That blueprint thinking is what turns hard problems into clear answers. ★

#### Builder's Inspection Checklist

- **Foundation:** ROCK SOLID! Number sense, fractions, decimals—all in place.
- **Frame:** STRONG! You can break down a problem into clear parts.
- **Walls:** TIGHT! Your work is organized and easy to follow.
- **Roof:** FINISHED! You always answer the question that was asked.

**Architect's tip:** on test day, build each answer like a small building. Foundation: read the question. Frame: pick the strategy. Walls: do the math. Roof: check the answer. Each piece matters. Each piece is yours.

If you'd like to share your experience or have questions, please email me at [reza@testinar.com](mailto:reza@testinar.com). I'd love to hear from you!

**Reza Nazari & Jay Daie**  
Your Math Architect (Built to Last)

$45 \div 5 = ?$

# PRACTICE TODAY.

$\frac{3}{5} + \frac{1}{10} = ?$



## ACHIEVE TOMORROW!



$3^2 + 4^2 = 25$

This book includes **8** full-length **Grade 5** math practice tests to help students master essential skills, build confidence, and achieve success. Each test is carefully designed to reflect real math standards and cover a variety of question types with detailed answer explanations.

$7x - 4 = 17$

$1\frac{1}{2} + 2\frac{1}{3} = ?$

## 8 FULL-LENGTH MATH PRACTICE TESTS



### REALISTIC PRACTICE

Tests mirror Grade 5 math standards and real assessment formats.



### ANSWER KEY INCLUDED

Detailed answer explanations help students understand and learn.



### BUILD CONFIDENCE & SKILLS

Strengthens problem-solving abilities and reinforces key math concepts.



### IMPROVE & TRACK PROGRESS

Identify strengths and focus on areas that need improvement.



### ACHIEVE SUCCESS

Boosts test readiness and helps students achieve their best results.

### COVERS ALL KEY GRADE 5 MATH TOPICS

- ✓ Whole Numbers & Operations
- ✓ Fractions & Decimals
- ✓ Algebraic Thinking
- ✓ Geometry
- ✓ Measurement & Data
- ✓ Number Patterns
- ✓ Word Problems
- ✓ Ratio & Proportion
- ✓ Perimeter, Area & Volume
- ✓ Graphing & Data Analysis

...and More!



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Practice with purpose. Succeed with confidence!