

# 10 COMPLETE

# Florida

# FAST

# GRADE 5

# MATH

# PRACTICE TESTS

Standards-Based Review with  
Mixed Practice and Detailed Answer Key



### 10 Complete Practice Tests

Build confidence and test readiness



### Standards-Based Review

Covers key Grade 5 math standards



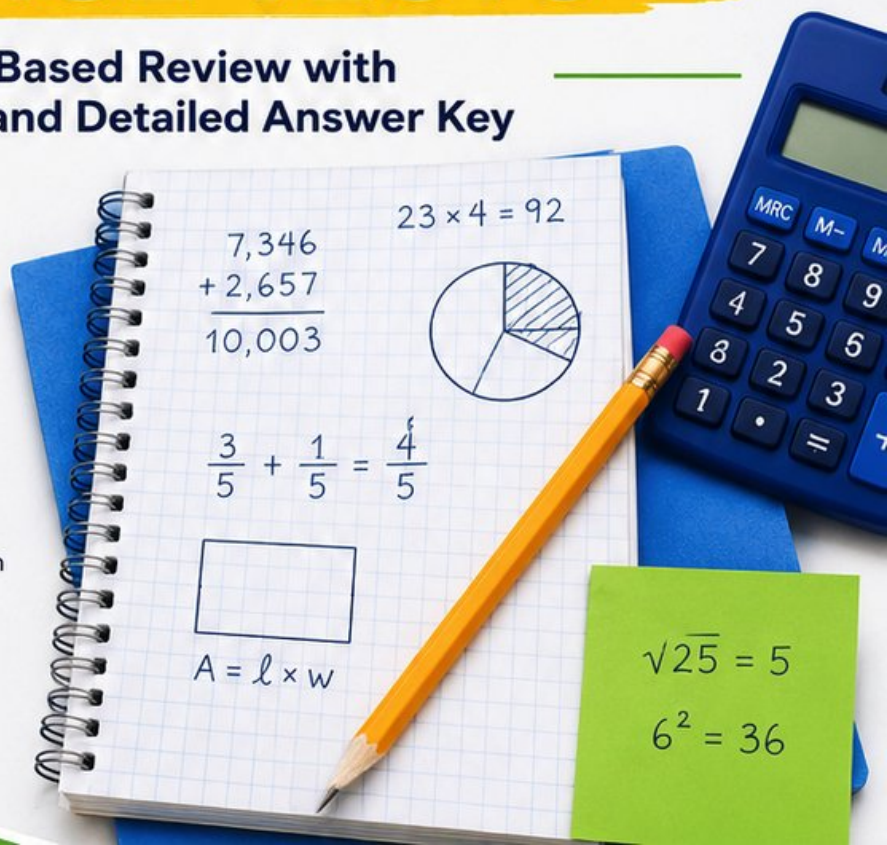
### Mixed Practice

Variety of question types to strengthen skills



### Detailed Answer Key

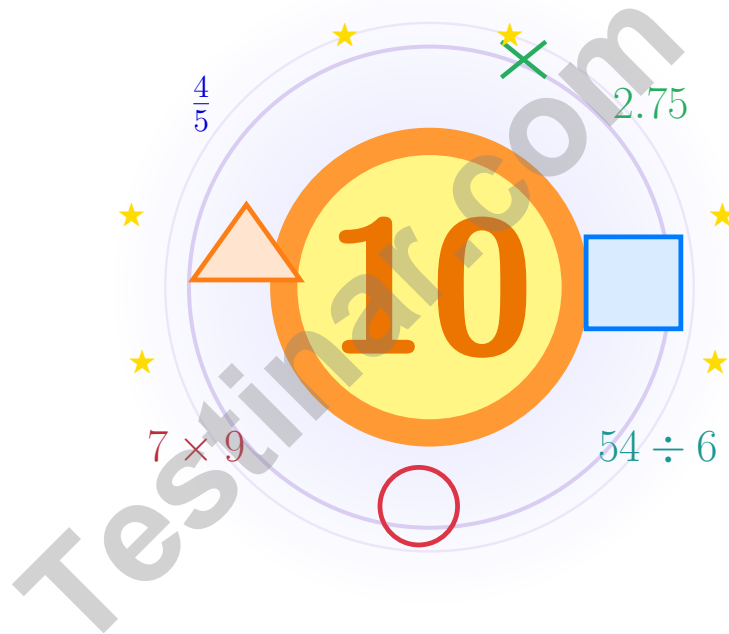
Step-by-step explanations for every question



**PREPARE.  
PRACTICE.  
SUCCEED!**

# 10 Florida FAST Grade 5 Math Practice Tests

*Bright review, thoughtful practice, and steady confidence for Grade 5*



Ten full tests, a focused quick review, and student-friendly support that keeps practice clear and encouraging.

**Jay Daie and Reza Nazari**



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# Welcome!

This book is a place to practice bravely and think clearly

## Dear Grade 5 Mathematician

This book gives you ten chances to read carefully, solve thoughtfully, and build steady math confidence. Some problems will feel friendly right away. Some will take more patience. Both kinds help you grow.

The goal is not to feel perfect before you begin. The goal is to practice honest effort, learn from corrections, and notice how much stronger your thinking becomes over time.

### Read

Slow down and understand the task.

### Solve

Show clear steps and good choices.

### Learn

Use mistakes as clues for what comes next.

**A strong habit from the start:** keep your work neat, estimate when it helps, write units carefully, and do not let one hard problem decide your mood for the whole page.



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# How to Use This Book

A simple routine that turns practice into real progress

## Step 1

**Warm up with the quick review.**

Spend a few minutes refreshing the ideas before the test begins.

## Step 2

**Take one full practice test.**

Work in a calm spot and aim for careful thinking before speed.

## Step 3

**Check your work honestly.**

Circle missed questions and notice which skills need another look.

## Step 4

**Fix and reflect.**

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



**A Good 10-Week Rhythm**

<b>Week 1</b>	Take Test 1 and notice your starting strengths.
<b>Week 2</b>	Take Test 2 and slow down on word problems.
<b>Week 3</b>	Take Test 3 and sharpen multiplication and division checks.
<b>Week 4</b>	Take Test 4 and focus on fractions and decimals.
<b>Week 5</b>	Take Test 5 and watch your labels and units closely.
<b>Week 6</b>	Take Test 6 and practice calmer pacing.
<b>Week 7</b>	Take Test 7 and compare your habits with the earlier weeks.
<b>Week 8</b>	Take Test 8 and focus on tidy, checkable work.
<b>Week 9</b>	Take Test 9 and compare your progress with the way you worked in the earlier weeks.
<b>Week 10</b>	Take Test 10 and finish with steady, confident effort while using every strong habit you built.



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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)

1 gram (g) = 1,000 milligrams (mg)

### TIME

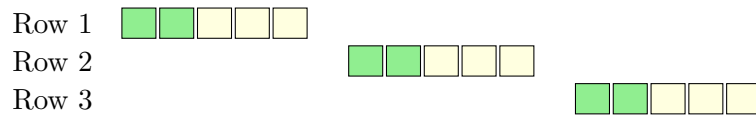
1 minute (min) = 60 seconds (sec)    1 week = 7 days

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

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



1) Bar model for  $3 \times \frac{2}{5}$ :



What is the product?

- A.  $\frac{2}{5}$   
 B.  $\frac{2}{15}$

- C.  $\frac{6}{15}$   
 D.  $\frac{6}{5}$  or  $1\frac{1}{5}$

2) Which decimal is equivalent to  $\frac{8}{10}$ ?

- A. 0.08  
 B. 0.8

- C. 8.0  
 D. 0.008

3) A car uses  $\frac{1}{2}$  of a tank of gas for a full trip. How much of a tank is used for  $\frac{3}{4}$  of the trip?

- A.  $\frac{3}{8}$  tank  
 B.  $\frac{2}{3}$  tank

- C.  $\frac{5}{8}$  tank  
 D. 1 tank

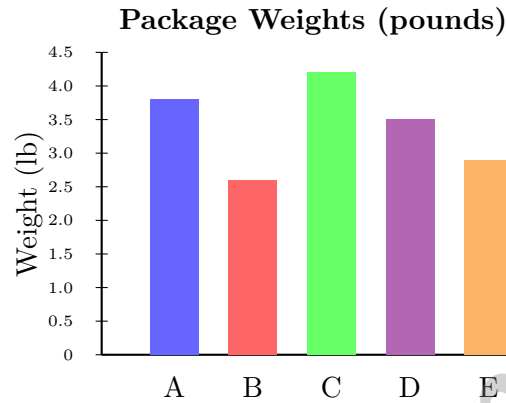
4) A bakery sold 3 trays of cookies. Each tray had 24 cookies, but 5 from each tray were broken. Which expression shows the number of unbroken cookies?

- A.  $3 \times (24 - 5)$   
 B.  $(3 \times 24) - 5$

- C.  $3 + (24 - 5)$   
 D.  $3 \times 24 + 5$



- 5) The chart shows the weights of different packages at a shipping center. What is the total weight of all packages?



- A. 16.8 pounds
- B. 17.0 pounds
- C. 17.2 pounds
- D. 17.4 pounds
- 6) An estimate uses rounding. A book costs \$12.67. Estimate to the nearest dollar for budgeting.
- A. \$12
- B. \$12.50
- C. \$12.70
- D. \$13
- 7) The output is 3 times the input, then 1 more. Find the ordered pair when the input is 0:
- A. (0, 0)
- B. (0, 1)
- C. (0, 3)
- D. (1, 0)
- 8) What is  $\frac{1}{6} \times \frac{1}{2}$  in simplest form?
- A.  $\frac{1}{8}$
- B.  $\frac{1}{12}$
- C.  $\frac{2}{8}$
- D.  $\frac{1}{3}$



## Grade 5 Mathematics Reference Materials

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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) What is the decimal form of  $8 + 2 \times \frac{1}{10} + 9 \times \frac{1}{100}$ ?

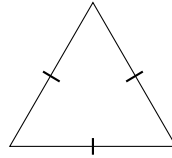
A. 8.29

C. 82.9

B. 8.92

D. 0.829

2) The matching tick marks show all three sides are equal. Looking at the diagram, identify the triangle type based on both sides and angles.



A. Scalene acute

C. Equilateral acute

B. Isosceles acute

D. Right isosceles

3) Compare:  $0 \times (53 + 98)$    $53 + 98$

A. >

C. =

B. <

D. Cannot tell

4) Round 0.749 to the nearest tenth.

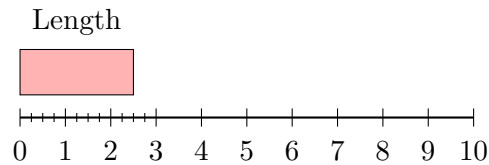
*Record your answer in the space provided.*



37) A toy block is a rectangular prism with volume  $96 \text{ cm}^3$  and base area  $32 \text{ cm}^2$ . How tall is it?

- A. 2 cm                                       C. 4 cm  
 B. 3 cm                                       D. 5 cm

38) Which measurement is shown on the ruler?



- A.  $2\frac{1}{2}$  inches                                       C. 3 inches  
 B. 2 inches     D.  $2\frac{1}{4}$  inches
- 39) A restaurant receives 936 napkins delivered in packs of 13. How many full packs?
- A. 70     C. 74  
 B. 72     D. 76
- 40) A rectangle has length  $(4 + 3)$  cm and width 5 cm. Which expression represents the area?
- A.  $4 + 3 + 5$                                        C.  $4 + 3 \times 5$   
 B.  $4 \times (3 + 5)$                                        D.  $(4 + 3) \times 5$

## End of Practice Test

Nice work. Pause, breathe, and check your answers with care.



Grade 5 Mathematics

10

Questions: 40 Duration: No time limit

Calculator Policy: Calculators are not allowed



## 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 D is correct.** (MA.5.FR.2.3) Each row shows  $\frac{2}{5}$ . Three rows make  $3 \times \frac{2}{5} = \frac{6}{5}$ , which is one whole and one fifth more.
- Choice B is correct.** (MA.5.NSO.1.2) A fraction with denominator 10 equals a decimal with one place:  $\frac{8}{10} = 0.8$ .
- Choice A is correct.** (MA.5.AR.1.2) Use  $\frac{3}{4}$  of the full-trip amount:  $\frac{3}{4} \times \frac{1}{2} = \frac{3}{8}$  tank.
- Choice A is correct.** (MA.5.AR.2.2) Because 5 cookies were broken on each tray, find the unbroken cookies per tray first:  $24 - 5 = 19$ . With 3 trays, the expression is  $3 \times (24 - 5)$ .
- Choice B is correct.** (MA.5.M.2.1) From the chart: Package A = 3.8, B = 2.6, C = 4.2, D = 3.5, E = 2.9 pounds. Add:  $3.8 + 2.6 + 4.2 + 3.5 + 2.9 = 17.0$  pounds. Check by regrouping:  $(3.8 + 2.9) + (2.6 + 3.5) + 4.2 = 6.7 + 6.1 + 4.2 = 17.0$ . Therefore, the total weight is 17.0 pounds.
- Choice D is correct.** (MA.5.NSO.2.4) The tenths digit (cents) is 6. Since  $6 \geq 5$ , round the dollars up from 12 to 13. So \$12.67 estimates to \$13.
- Choice B is correct.** (MA.5.GR.4.2) With input 0, the multiplication part is  $3 \times 0 = 0$ , and  $0 + 1 = 1$ .
- Choice B is correct.** (MA.5.FR.2.3)  $\frac{1}{6} \times \frac{1}{2} = \frac{1}{12}$  (unit-fraction product).
- Choice B is correct.** (MA.5.GR.4.1) In an ordered pair  $(x, y)$ , the second number is the y-coordinate. For  $(4, 9)$ , the y-coordinate is 9.
- Choice C is correct.** (MA.5.NSO.1.1) 0.005 is five thousandths and 0.05 is five hundredths. They are not equal:  $0.005 < 0.05$ .
- Choice C is correct.** (MA.5.FR.2.2)  $\frac{4}{9} \approx \frac{1}{2}$  and  $\frac{2}{5} \approx \frac{1}{2}$ . Sum:  $\frac{1}{2} + \frac{1}{2} = 1$ .
- Choice B is correct.** (MA.5.GR.1.2) A square is a polygon, a quadrilateral, and a rectangle.
- The correct answer is 705000.** (MA.5.FR.2.3) Move the decimal point five places right (filling in zeros):  $7.05 \rightarrow 705,000$ .
- Choice B is correct.** (MA.5.FR.2.1) The GCF of 10 and 25 is 5. Divide:  $\frac{10}{25} = \frac{10 \div 5}{25 \div 5} = \frac{2}{5}$ .
- Choice C is correct.** (MA.5.FR.2.1)  $\frac{1}{5} = \frac{2}{10}$ .  $\frac{9}{10} - \frac{2}{10} = \frac{7}{10}$ .
- Choice B is correct.** (MA.5.AR.1.1) Choose the operation from the story, then keep the unit with the answer. Multiply:  $2.25 \times 160 = 360$  liters. This confirms the answer.
- The correct answer is hexagon.** (MA.5.GR.1.1) A hexagon has 6 sides. Because all sides and angles are equal, regular hexagon is a more specific name, but hexagon is also correct.
- Choices A, B are correct.** (MA.5.AR.1.3) The half yard is shared into 4 equal parts. A shows the division, and B checks that 4 equal shares make the original half yard.
- Choice D is correct.** (MA.5.FR.2.3) 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 C is correct.** (MA.5.GR.1.2) A square is both a rectangle (all angles  $90^\circ$ ) and a rhombus (all sides equal). It is the one shape that satisfies both definitions.
- Choice A is correct.** (MA.5.FR.2.3)  $\frac{5}{4} > 1$  and  $\frac{5}{6} < 1$ . The first product grows (scales up), and the second shrinks (scales down). So  $6 \times \frac{5}{4} > 6 \times \frac{5}{6}$ .
- Choice B is correct.** (MA.5.GR.4.2)  $x$  Rule gives 0, 3, 6, ...;  $y$  Rule gives 2, 6, 10, ... First pair is  $(0, 2)$ .
- Choice A is correct.** (MA.5.FR.2.3)  $\frac{1}{3} \times 3\frac{1}{3} = \frac{1}{3} \times \frac{10}{3} = \frac{10}{9} = 1\frac{1}{9}$  cups.
- Choice B is correct.** (MA.5.GR.1.1) A triangle with one  $90^\circ$  angle is classified as a right triangle.
- Choice B is correct.** (MA.5.FR.2.3)  $12.5 \div 5 = 2.5$ . Think of  $125 \div 5 = 25$ , then place decimal one place from right: 2.5.
- Choice C is correct.** (MA.5.FR.2.1) Add:  $2\frac{7}{10} + 3\frac{6}{10} = 5\frac{13}{10} = 6\frac{3}{10}$ .
- Choice D is correct.** (MA.5.AR.1.3) Since  $11 \div \frac{1}{2} = 11 \times 2 = 22$ , the whole number is 11.
- The correct answer is 15.** (MA.5.AR.1.3) Each meter has 3 third-meter pieces. Five meters have  $5 \times 3 = 15$  pieces.
- Choice C is correct.** (MA.5.GR.3.3) One box has volume  $3 \times 3 \times 3 = 27$  cubic meters. There are 6 boxes, so  $27 \times 6 = 162$  cubic meters.



### Captain's Log—Voyage Complete

#### First Mate, Well Done!

◇ You sailed through 10 practice tests with steady hands and a sharp eye. The waters got rough sometimes, but you kept your course. That's what good sailors do. Now the harbor (test day) is in sight, and you are ready to dock with confidence. ◇

★ **Captain's wisdom:** a good sailor doesn't fight the wind—they read it and adjust. On a test, the same thing is true. When a problem feels tricky, don't panic. Read it again. Try a new strategy. Adjust the sails of your thinking. ★

#### Captain's Skills Inventory

- **Steady Steering:** EXCELLENT! You stay on course even when problems get tough.
- **Wind Reading:** STRONG! You can spot what a problem is really asking.
- **Crew Spirit:** HIGH! You believe in your own ability.
- **Harbor Approach:** READY! You know how to finish a test calmly.

**Final captain's note:** the best voyages combine planning with courage. You have both. Trust the chart you built through these 10 tests. Trust your hands on the wheel. Then sail confidently into test day.

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 Captain (Smooth Sailing Ahead)

# PRACTICE TODAY. MASTER TOMORROW.

Give your child the confidence to excel in **Grade 5 Math!**  
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**10**  
COMPLETE  
PRACTICE  
TESTS

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- ✓ Results-Driven.

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### Strengthen Skills

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### Improve Test Readiness

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- ✓ Measurement & Data
- ✓ Graphing & Data Analysis
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- ✓ Word Problems
- ✓ Ratio & Proportion
- ✓ Perimeter, Area & Volume
- ✓ And More!



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