

8

FULL-LENGTH

Georgia

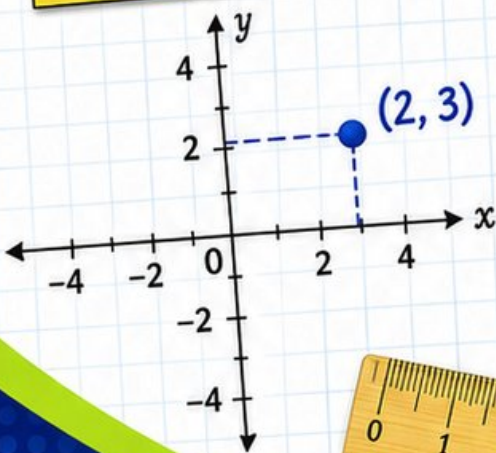
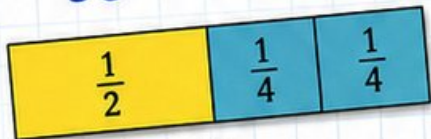
Milestones

GRADE 5

MATH PRACTICE TESTS

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

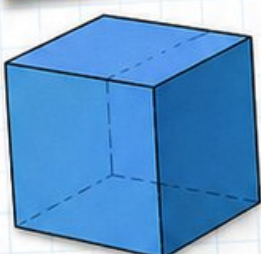
$$36 \div 4 = 9$$



$$2.4 \times 7 = 16.8$$

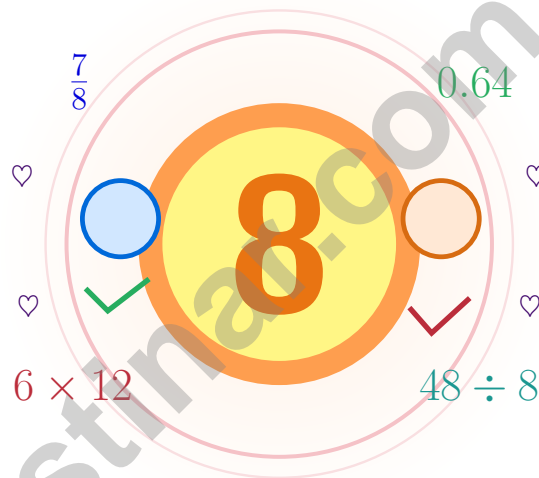
$$7 \times (12 - 5) = 49$$

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 Georgia Milestones Grade 5 Math Practice Tests

A eight-step adventure for Georgia Grade 5 thinkers



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

Jay Daie and Reza Nazari



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Georgia Mathematicians, Lace Up

A eight-step trail built for steady, brave thinking

An Invitation to Grade 5 in Georgia

This practice book is your steady companion for eight tests, not a place to be perfect. Math grows like a peach: it needs sun, water, time, and the patience to ripen one careful day at a time.

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.

See

See the question fully before you start the math.

Plan

Pick a strategy that fits the numbers in front of you.

Build

Build the answer step by step, no shortcuts.

A strong habit for Georgia 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



A Simple Path Through Eight Tests

A simple routine that turns practice into progress

Step 1: Set Up

Pencil ready, distractions gone.

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

Step 2: Work the Test

Take a full test like the real day.

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

Step 3: Look Back

Walk through your answers without rushing.

Circle missed questions and notice which topics keep showing up.

Step 4: Climb Higher

Pick one or two skills to sharpen next.

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



Table of Contents

★ Practice Test 1	_____	21
★ Practice Test 2	_____	37
★ Practice Test 3	_____	51
★ Practice Test 4	_____	66
★ Practice Test 5	_____	80
★ Practice Test 6	_____	95
★ Practice Test 7	_____	109
★ Practice Test 8	_____	124
Practice Test Answer Keys	_____	139
Practice Test Answers and Explanations	_____	144

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)

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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

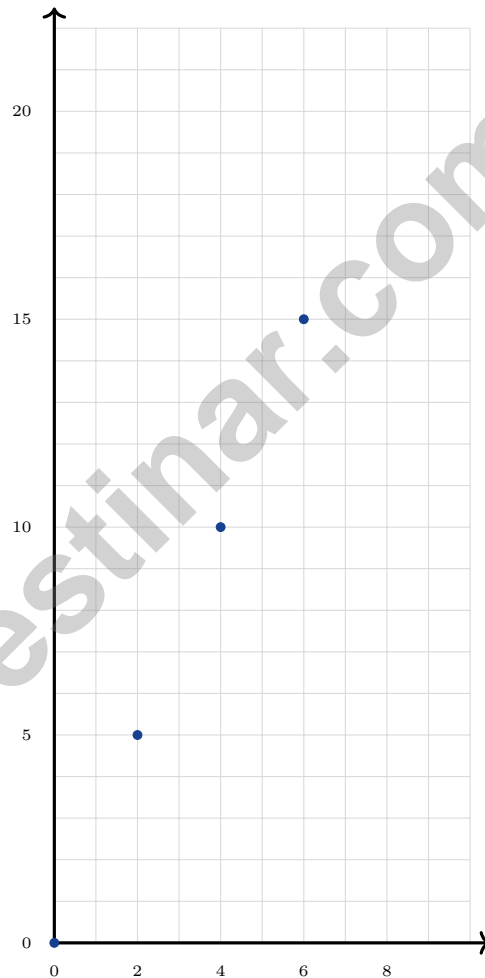
1 day = 24 hours (hr) 1 year = 52 weeks



5) A triangle with all sides different is called:

- A. Equilateral C. Scalene
 B. Isosceles D. Right

6) A science experiment records positions at different times. Time values are 0, 2, 4, 6 seconds. Position values are 0, 5, 10, 15 meters. If the pattern continues, which point should be plotted next?



- A. (6, 20) C. (8, 15)
 B. (8, 20) D. (10, 20)



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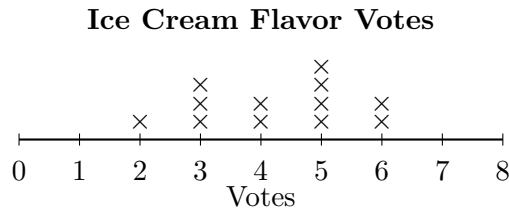
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1) The line plot displays favorite ice cream flavors (number of votes):



Which vote count appears most often?

- A. 3
- B. 4
- C. 5
- D. 6

2) Maria has \$25.00 and spends \$8.65 on a book and \$3.50 on a pen. How much does she have left?

Record your answer in the space provided.

3) The output is 4 more than the input. What is the 5th ordered pair if the inputs start at 1?

- A. (4, 8)
- B. (5, 9)
- C. (6, 10)
- D. (5, 1)

4) A place-value chart is shown with values for digits. What is the number?

Ones	Tenths	Hundredths	Thousandths
8	1	6	9

- A. 8.169
- B. 81.69
- C. 816.9
- D. 0.169



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1) A storage box measures 5 inches long, 5 inches wide, and 5 inches tall. What is its volume?

- A. 25 cubic inches C. 15 cubic inches
 B. 125 cubic inches D. 250 cubic inches

2) A container holds $\frac{7}{8}$ liter of milk. If you use $\frac{1}{2}$ of the milk, how much do you use?

- A. $\frac{7}{16}$ liter C. $\frac{7}{10}$ liter
 B. $\frac{1}{4}$ liter D. $\frac{8}{10}$ liter

3) Which pair of fractions can be arranged in a chain of equivalences with $\frac{1}{2}$?

- A. $\frac{3}{5}$ and $\frac{6}{10}$ C. $\frac{2}{5}$ and $\frac{4}{10}$
 B. $\frac{3}{8}$ and $\frac{6}{12}$ D. $\frac{2}{4}$ and $\frac{4}{8}$

4) Write the decimal for “twelve and nine thousandths”.

Record your answer in the space provided.

5) What is 8×100 ?

- A. 80 C. 8008
 B. 8000 D. 800

6) Pattern: 7, 14, 21, 28, ... Which is NOT a term?

- A. 49 C. 75
 B. 63 D. 84



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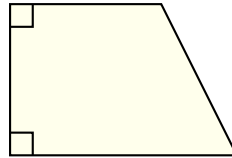
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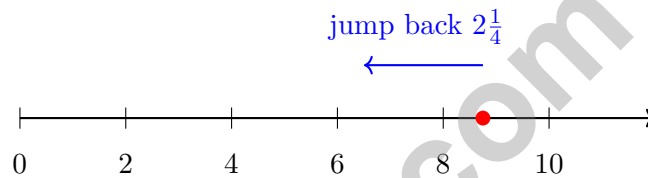
1 day = 24 hours (hr) 1 year = 52 weeks



- 1) Look at the figure. Which statement about the angles is correct?



- A. All four angles are right angles. C. One angle is right angle.
 B. No angles are right angles. D. Two angles are right angles.
- 2) Using a number line, jump backward from $8\frac{3}{4}$ by $2\frac{1}{4}$. Where do you land?



- A. 6 wholes C. $6\frac{1}{4}$
 B. $6\frac{3}{4}$ D. $6\frac{1}{2}$
- 3) Which expression is equivalent to 10^4 ?
- A. 10,000 C. 100,000
 B. 1,000 D. 40
- 4) A refrigerator has dimensions of 28 inches wide, 30 inches deep, and 67 inches tall. Which unit would be most appropriate to measure its volume?
- A. Square inches C. Inches
 B. Cubic inches D. Linear feet



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 C is correct.** **(5.NR.3.5)** $\frac{7}{6} > 1$, so the product $36 \times \frac{7}{6} = 42 > 36$.
- Choice D is correct.** **(5.NR.3.6)** $2 \div \frac{1}{3} = 2 \times 3 = 6$. There are 6 one-third pizzas in 2 whole pizzas.
- Choice D is correct.** **(5.NR.1.2)** $4.2 \div 100 = 0.042$. A equals 4.2, while C and D each equal 0.42. B matches.
- Choice C is correct.** **(5.NR.3.6)** Each whole contains 4 pieces of size $\frac{1}{4}$. With 2 wholes, there are $2 \times 4 = 8$ pieces.
- Choice C is correct.** **(5.NR.1.1)** A scalene triangle has all three sides of different lengths.
- Choice B is correct.** **(5.NR.1.1)** The time values increase by 2, so the next time is 8 seconds. The position values increase by 5, so the next position is 20 meters. The next point is (8, 20).
- The correct answer is 100 in³.** **(5.GSR.8.3)** $10 \times 5 \times 2 = 100 \text{ in}^3$.
- Choice B is correct.** **(5.GSR.8.3)** $46 \times 10^2 = 46 \times 100 = 4600$, so $n = 46$.
- Choice A is correct.** **(5.NR.1.2)** Find each part first: Prism A is $4 \times 2 \times 4 = 32$ cubic centimeters, and Prism B is $3 \times 3 \times 4 = 36$ cubic centimeters. Because the parts do not overlap, add them: $32 + 36 = 68$ cubic centimeters.
- Choice C is correct.** **(5.GSR.8.3)** The base area is $9 \times 9 = 81$ square feet. Since $324 \div 81 = 4$, the height is 4 ft.
- The correct answer is 2.5.** **(5.GSR.8.3)** $2,500 \div 1,000 = 2.5$ kg. Since 1,000 grams make 1 kilogram, divide by 1,000.
- Choice D is correct.** **(5.MDR.7.4)** $\frac{1}{8} \div 3 = \frac{1}{8} \times \frac{1}{3} = \frac{1}{24}$.
- The correct answer is $\frac{1}{3} \div 4 = n$.** **(5.NR.3.6)** The one-third yard is shared into 4 equal parts, so the response should include a division equation such as $\frac{1}{3} \div 4 = n$. The final value $\frac{1}{12}$ may be included if the equation is shown.
- Choice D is correct.** **(5.GSR.8.3)** A cube with side length 4 cm has 4 layers of $4 \times 4 = 16$ cubic centimeters each. So $16 \times 4 = 64$ cubic centimeters.
- The correct answer is 10000.** **(5.NR.1.2)** Think $5 \times 2 = 10$, then include the three zeros from 50 and 200. The product is 10,000.
- Choice C is correct.** **(5.NR.1.2)** $\frac{4}{9} + \frac{2}{9} = \frac{6}{9} = \frac{2}{3}$ of the shelf.
- Choice D is correct.** **(5.NR.3.3)** The tenths digit is 7. Since $7 \geq 5$, round ones up: $156 \rightarrow 157$. So 156.78 miles rounds to 157 miles.
- Choice A is correct.** **(5.NR.4.3)** $\frac{1}{3} \times 3\frac{1}{3} = \frac{1}{3} \times \frac{10}{3} = \frac{10}{9} = 1\frac{1}{9}$ cups.
- Choices A, B are correct.** **(5.NR.3.6)** Each foot holds four quarter-foot pieces. Three feet hold $3 \times 4 = 12$ pieces, so choices A and B match the story.
- Choice C is correct.** **(5.NR.2.1)** Multiply: $51 \times 8 = (50 \times 8) + (1 \times 8) = 400 + 8 = 408$.
- Choice A is correct.** **(5.NR.2.1)** Moving the decimal 1 place right means multiplying by 10.
- Choice A is correct.** **(5.PAR.6.1)** The number of tomatoes is always 4 times the number of carrots: $3 \times 4 = 12$, $6 \times 4 = 24$, $9 \times 4 = 36$, $12 \times 4 = 48$.
- Choice A is correct.** **(5.NR.3.3)** Rewrite $\frac{3}{4}$ as $\frac{6}{8}$. Since $\frac{6}{8} + \frac{1}{8} = \frac{7}{8}$, the missing addend is $\frac{1}{8}$.
- Choice D is correct.** **(5.NR.3.6)** Count X marks at 5, 6, 7, and 8. That is $3 + 2 + 1 + 1 = 7$ students scored 5 or higher.
- Choice A is correct.** **(5.GSR.8.2)** Figure A is a triangle with no parallel sides and no right angle. Figures B, C, and D do not match both conditions.
- Choice D is correct.** **(5.NR.3.3)** $5\frac{6}{7} \approx 6$ and $2\frac{1}{9} \approx 2$. So $5\frac{6}{7} - 2\frac{1}{9} \approx 6 - 2 = 4$.
- Choice D is correct.** **(5.NR.3.3)** A quarter means one fourth of the whole amount. To find one fourth of $(8 + 12)$, divide the whole sum by 4.
- Choice D is correct.** **(5.NR.5.1)** All have ones place = 5. Compare tenths: 5.001 and 5.01 have 0; 5.1 and 5.11 have 1. Then hundredths and thousandths refine order.
- Choice B is correct.** **(5.NR.4.4)** $4.2 \times 0.5 = 2.1$. Multiply: $42 \times 5 = 210$, then place decimal two places from right: $2.10 = 2.1$.
- Choice D is correct.** **(5.NR.4.4)** Multiplying by 10,000 moves the decimal four places right, so 0.18 becomes 1,800. The student's 18 is too small.



Case Closed: Success Ahead

Greetings, Math Detective!

◇ Outstanding investigation! You've cracked the code on 8 complete practice tests, examining every clue and solving every mathematical mystery like a brilliant detective! Each problem was a puzzle, and you methodically gathered evidence, analyzed patterns, and reached accurate conclusions. That analytical thinking you've developed will serve you well on test day and beyond! ◇

★ **Here's what master detectives know:** not every case solves itself immediately. Sometimes you need to examine the evidence from different angles, try various approaches, and remain persistent until you crack the code. You've practiced exactly that through these 8 tests! Your investigative skills have sharpened considerably, and you're ready to solve any mathematical mystery that comes your way! ★

Detective's Case File: Your Skills

- **Clue Collection:** You gather all important information from problems before solving!
- **Pattern Recognition:** You identify mathematical patterns like a trained investigator!
- **Evidence Analysis:** You evaluate which strategies work best for each problem type!
- **Case Resolution:** You stay focused until you've found the correct solution!

Detective wisdom: the best investigators take notes about their methods so they can solve similar cases faster in the future. Your brain has been doing exactly that throughout these 8 tests, storing successful strategies in your mental filing cabinet. On test day, you'll be able to retrieve those proven methods instantly!

If you want to share a proud moment or ask a question, please email me at jay@testinar.com. I'd love to hear from you!

Jay Daie

Your Math Detective Coach

$45 \div 5 = ?$

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

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- ✓ Fractions & Decimals
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- ✓ Measurement & Data
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