

5

FULL-LENGTH

Georgia

Milestones

GRADE 5 MATH

★ PRACTICE TESTS ★



**5 FULL-LENGTH
PRACTICE TESTS**



**COMPLETE
STANDARDS
REVIEW**



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

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



$$12 \times 3 = 36$$



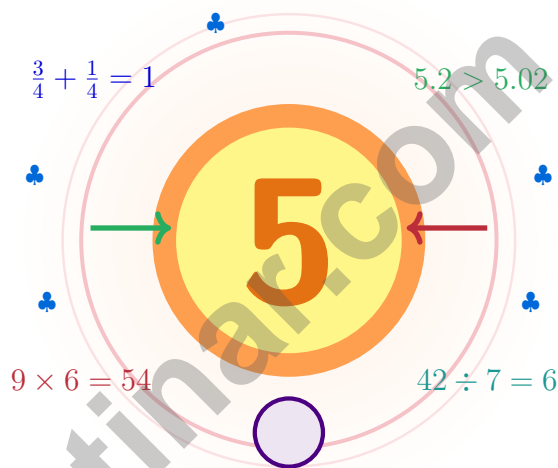
$$\frac{7}{10} = 0.7$$



BUILT FOR SUCCESS. DESIGNED TO HELP EVERY STUDENT.

5 Georgia Milestones Grade 5 Math Practice Tests

A five-checkpoint adventure for Georgia Grade 5 thinkers



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

Jay Daie and Reza Nazari



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Georgia Grade 5: Quest Briefing

A five-checkpoint adventure for Georgia Grade 5 thinkers

Just for Georgia Grade 5 Quest Specialists

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. Math grows like a peach: it needs sun, water, time, and the patience to ripen one careful day at a time.

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.

Notice

Notice everything the problem says, shows, and asks.

Sketch

Sketch a quick model, table, or number line.

Confirm

Confirm your answer with a quick estimate.

A strong quest habit for Georgia: 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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Your Step-by-Step Plan

A simple routine that turns five tests into real growth

Step 1: Read

Read the quick review pages first.
Wake up important ideas before you begin so your brain is ready to use them.

Step 2: Try

Try one full test with full attention.
Find a quiet space, work carefully, and let accuracy matter more than speed.

Step 3: Reflect

Reflect on which skills want more sunlight.
Circle missed questions and look for patterns. Which skill or habit needs another try?

Step 4: Lift

Lift those skills before the next test.
Read the explanation, repair the work, and carry that lesson into the next test.

A Five-Week Georgia Quest Map

| Week | Mission Focus |
|--------|--|
| Week 1 | Take Test 1 like a porch-shade afternoon – slow, attentive, unhurried. |
| Week 2 | Take Test 2 and notice one habit that grew sweeter. |
| Week 3 | Take Test 3 and lift fractions, decimals, and conversions. |
| Week 4 | Take Test 4 and slow down on multi-step word problems. |
| Week 5 | Take Test 5 with calm, careful, harvest-ready 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 $A = l \times w$

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LENGTH

Customary

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

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



- 1) When a whole number is divided by 10^3 , how many places does the decimal point move and in which direction?
- A. 3 places to the left
 B. 3 places to the right
 C. 2 places to the left
 D. 1 place to the left
- 2) What is 7×10^2 ?
- A. 49
 B. 70
 C. 700
 D. 7000
- 3) 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.
 B. She did not find a common denominator.
 C. She forgot to simplify.
 D. She subtracted instead of added.
- 4) Subtract: $11 - 4\frac{2}{3}$.
- A. 6 wholes
 B. $7\frac{1}{3}$
 C. 7 wholes
 D. $6\frac{1}{3}$
- 5) The expression $3 \times (5 + 2)$ is best described as:
- A. 3 more than $5 + 2$
 B. 3 less than $5 + 2$
 C. 3 times $(5 + 2)$
 D. $\frac{1}{3}$ of $5 + 2$

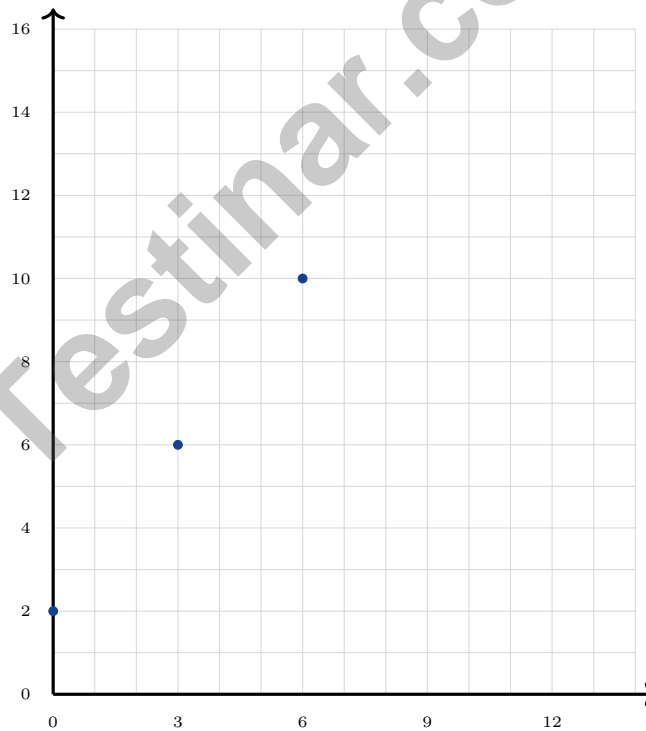


6) Which benchmark list is correct?

| Row | Fraction | Closest Benchmark |
|-----|----------------|-------------------|
| A | $\frac{4}{7}$ | $\frac{1}{2}$ |
| B | $\frac{9}{10}$ | 1 |
| C | $\frac{1}{11}$ | 0 |
| D | $\frac{8}{9}$ | 1 |

- A. Row A only C. Rows A and C
 B. Rows C and D D. All rows correct

7) A pattern uses: x -rule (start at 0, add 3); y -rule (start at 2, add 4). Which ordered pair comes first?



- A. (2, 0) C. (3, 6)
 B. (0, 2) D. (3, 4)



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1) Estimate: $\frac{6}{7} + \frac{4}{9} + \frac{1}{10}$.

 A. About 1 C. About 2 B. About $1\frac{1}{2}$ D. About $2\frac{1}{2}$

2) Two rules use the input value to make ordered pairs. Rule A doubles the input. Rule B multiplies the input by 4. When the input is 4, what are the ordered pairs?

 A. A's pair: (3, 6); B's pair: (3, 12) C. A's pair: (3, 8); B's pair: (3, 16) B. A's pair: (4, 8); B's pair: (4, 16) D. A's pair: (2, 4); B's pair: (2, 8)3) If a rectangular prism's base area is 56 cm^2 and its height is 7 cm, what is the volume? A. 320 cm^3 C. 380 cm^3 B. 350 cm^3 D. 392 cm^3

4) Find: $850 \div 10^3$.

Record your answer in the space provided.

5) Which statement is true?

 A. $\frac{1}{2} \times \frac{1}{3} = \frac{1}{5}$ C. $\frac{3}{4} \times \frac{1}{4} = \frac{4}{16}$ B. $\frac{2}{3} \times \frac{2}{3} = \frac{4}{6}$ D. $\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$ 

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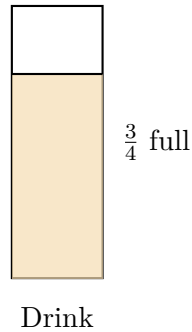
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- 1) A drink contains $\frac{2}{5}$ sugar by volume. If you have $\frac{3}{4}$ liter of the drink, how much sugar is in it? Give the answer in simplest form.



- A. $\frac{6}{9}$ liter sugar
- B. $\frac{2}{3}$ liter sugar
- C. $\frac{1}{2}$ liter sugar
- D. $\frac{3}{10}$ liter sugar
- 2) Find: $1,200 \div 10^2$.

Record your answer in the space provided.

- 3) A piece of ribbon is $\frac{5}{6}$ yard long. Mia cuts off $\frac{3}{8}$ yard. How much ribbon is left?
- A. $\frac{1}{24}$ yard
- B. $\frac{5}{24}$ yard
- C. $\frac{11}{24}$ yard
- D. $\frac{7}{12}$ yard



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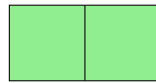
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- 1) If a rectangular prism has a bottom layer of 10 unit cubes and a height of 5 units, how many cubes fill it?
- A. 50 unit cubes C. 35 unit cubes
 B. 15 unit cubes D. 20 unit cubes
- 2) Which decimal corresponds to the word form “seven and twenty-four hundredths”?
- A. 7.24 C. 7.204
 B. 7.024 D. 72.4
- 3) A composite science fair model is made from two non-overlapping rectangular prisms. Prism A is 7 meters long, 4 meters wide, and 2 meters tall. Prism B is 6 meters long, 2 meters wide, and 1 meter tall. What is the total volume?
- A. 56 cubic meters C. 96 cubic meters
 B. 12 cubic meters D. 68 cubic meters
- 4) Which expression matches the diagram? (The bar shows $\frac{1}{3}$ divided into 2 equal sections.)

Each section?



whole bar is $\frac{1}{3}$

- A. $\frac{1}{3} \times 2$ C. $\frac{2}{3} \div 2$
 B. $\frac{1}{3} \div 2$ D. $\frac{1}{3} + 2$
- 5) A triangle has sides measuring 3 cm, 4 cm, and 5 cm. What type of triangle is this based on its sides?
- A. Equilateral C. Scalene
 B. Isosceles D. Obtuse



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.** (5.NR.1.2) Dividing by $10^3 = 1,000$ makes the number smaller. The decimal point shifts three places to the left (one place per power of 10).
- Choice C is correct.** (5.NR.1.2) Multiplying by a power of 10 shifts the value to a larger place. $10^2 = 100$, so $7 \times 100 = 700$. This confirms the answer.
- Choice B is correct.** (5.NR.3.3) The correct sum is $\frac{3}{4} + \frac{2}{5} = \frac{15}{20} + \frac{8}{20} = \frac{23}{20}$. Tasha incorrectly added $3 + 2 = 5$ and $4 + 5 = 9$.
- Choice D is correct.** (5.NR.3.3) Write $11 = 10\frac{3}{3}$. Then $10\frac{3}{3} - 4\frac{2}{3} = 6\frac{1}{3}$.
- Choice C is correct.** (5.NR.5.1) The expression $3 \times (5 + 2)$ means 3 copies of the sum $(5 + 2)$. That matches “3 times $(5 + 2)$.”
- Choice D is correct.** (5.NR.3.3) $\frac{4}{7} \approx \frac{1}{2}$, $\frac{9}{10}$ is close to 1, $\frac{1}{11} \approx 0$, and $\frac{8}{9} \approx 1$. All fit their benchmarks.
- Choice B is correct.** (5.PAR.6.2) x Rule gives 0, 3, 6, ...; y Rule gives 2, 6, 10, ... First pair is (0, 2).
- Choice C is correct.** (5.NR.1.2) Multiplying by 100 moves the decimal two places right, so 3.7 becomes 370.
- Choice C is correct.** (5.NR.3.5) $15 \times 1 = 15$ and $\frac{4}{3} > 1$, so $15 \times \frac{4}{3} > 15$. Multiplying by a number greater than 1 enlarges the quantity.
- Choice C is correct.** (5.GSR.8.3) Use the rectangular-prism volume formula: $9 \times 7 \times 2 = 126$. So the volume is 126 cubic feet.
- Choice A is correct.** (5.GSR.8.3) The base area is $12 \times 7 = 84$ square centimeters. Since $420 \div 84 = 5$, the height is 5 cm.
- Choice B is correct.** (5.NR.3.5) $2 \times \frac{3}{4} = \frac{6}{4} = 1\frac{1}{2}$ pans.
- Choice D is correct.** (5.NR.3.3) LCD of 12 and 8 is 24. $\frac{7}{12} = \frac{14}{24}$ and $\frac{5}{8} = \frac{15}{24}$. Since $15 > 14$, $\frac{5}{8}$ is longer.
- Choice D is correct.** (5.NR.3.3) Add: $5\frac{1}{6} + 1\frac{5}{6} = 6\frac{6}{6} = 7$.
- Choice C is correct.** (5.GSR.8.3) Container volume: $24 \times 8 \times 8 = 1536$ cubic feet. Items that fit: $1536 \div 64 = 24$ items.
- Choice C is correct.** (5.NR.5.1) Evaluate inside the parentheses first: $15 - 7 = 8$. Then $8 \times 3 = 24$, so choice C has a value of 24.
- Choice A is correct.** (5.NR.3.3) The GCF of 15 and 20 is 5. Divide: $\frac{15}{20} = \frac{15 \div 5}{20 \div 5} = \frac{3}{4}$.
- Choices A and B are correct.** (5.NR.1.2) A and B are true. For powers of 10, the exponent tells how many zeros come after the 1, so $10^5 = 100,000$ and $10^1 = 10$.
- Choice A is correct.** (5.PAR.6.2) The x -axis is time, so the x -coordinate 12 means 12 seconds. The y -axis is distance, so the y -coordinate 3 means 3 meters. The interpretation matches the axes.
- Choice D is correct.** (5.NR.3.6) $\frac{1}{2} \div 8 = \frac{1}{2} \times \frac{1}{8} = \frac{1}{16}$.
- Choice D is correct.** (5.NR.3.5) $6 \times \frac{1}{2} = 3$ cups. Since $\frac{1}{2} < 1$, you use less sugar.
- Choice A is correct.** (5.NR.3.6) Each whole contains 3 pieces of size $\frac{1}{3}$. With 4 wholes, there are $4 \times 3 = 12$ pieces.
- Choice A is correct.** (5.NR.3.3) Shipped: $\frac{1}{4} + \frac{1}{3} = \frac{3}{12} + \frac{4}{12} = \frac{7}{12}$. Remaining: $1 - \frac{7}{12} = \frac{5}{12}$.
- The correct answer is 625.** (5.NR.4.1) Read the place value to decide whether the decimal uses tenths, hundredths, or thousandths. 0.625 is 625 thousandths. This confirms the answer.
- Choice A is correct.** (5.NR.3.3) $\frac{2}{3} = \frac{4}{6}$. $\frac{4}{6} - \frac{1}{6} = \frac{3}{6}$, which simplifies to $\frac{1}{2}$.
- Choice A is correct.** (5.PAR.6.1) The rule says to add the two previous numbers. The two numbers before the blank are 8 and 13, and $8 + 13 = 21$.
- The correct answer is 5.** (5.GSR.8.3) Each unit cube takes up 1 cubic unit of space. A line of 5 unit cubes therefore has volume 5 cubic units.
- Choice A is correct.** (5.NR.3.6) One whole foot has 3 one-third-foot pieces, so $1 \div \frac{1}{3} = 3$ pieces.
- The correct answer is (4, 5).** (5.PAR.6.2) Right shifts x by +4; up shifts y by +5. Accept equivalent coordinate-pair formatting such as (4, 5), (4, 5), 4, 5, or a written form such as $x = 4$, $y = 5$.



Master Chef's Final Tasting Notes

Greetings, Culinary Master!

★ Exquisite preparation! You've created five complete mathematical menus, carefully measuring ingredients, following recipes with precision, and presenting solutions with excellence like a master chef! Each problem required you to gather your mathematical ingredients, combine them skillfully, and create perfect solutions. Your culinary mathematical skills have reached professional chef level! ★

◇ **Here's what master chefs understand:** great cooking requires practice, patience, and precision. They test recipes multiple times, adjust their techniques, and perfect their presentation. You've done exactly that through these five tests! You've practiced your mathematical recipes until they're perfected, and now you can execute them flawlessly under any kitchen conditions! ◇

Kitchen Quality Assessment

- **Recipe Mastery:** You know all mathematical procedures and execute them perfectly!
- **Ingredient Balance:** You combine different mathematical concepts harmoniously!
- **Timing Precision:** You pace yourself efficiently without rushing or dawdling!
- **Restaurant Ready:** You're prepared to serve excellence on test day!

Remember this culinary wisdom: master chefs taste as they cook, making adjustments along the way. On test day, check your work as you proceed, ensuring each solution is properly "seasoned" with careful verification. You've practiced these recipes five times trust your expertise and cook with confidence!

Want to share your signature mathematical recipe or discuss an elegant solution technique? Send your culinary innovations to reza@testinar.com. I appreciate mathematical gastronomy!

Reza Nazari & Jay Daie

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Covers all essential Grade 5 math topics with clear explanations and examples.



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Strengthen key math skills through a wide variety of practice questions.



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Build critical thinking and problem-solving skills with real-world questions.



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Step-by-step explanations for every question to help students learn and improve.



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practice



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and problem-
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