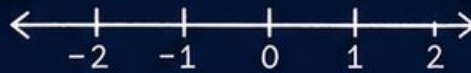


6

Georgia Milestones

GRADE 5 MATH PRACTICE TESTS

Complete Standards-Based Practice
— for Grade 5 Math Success —



**6 FULL-LENGTH
PRACTICE TESTS**

Realistic style questions



**STANDARDS-BASED
PRACTICE**

Covers all Grade 5
Math standards



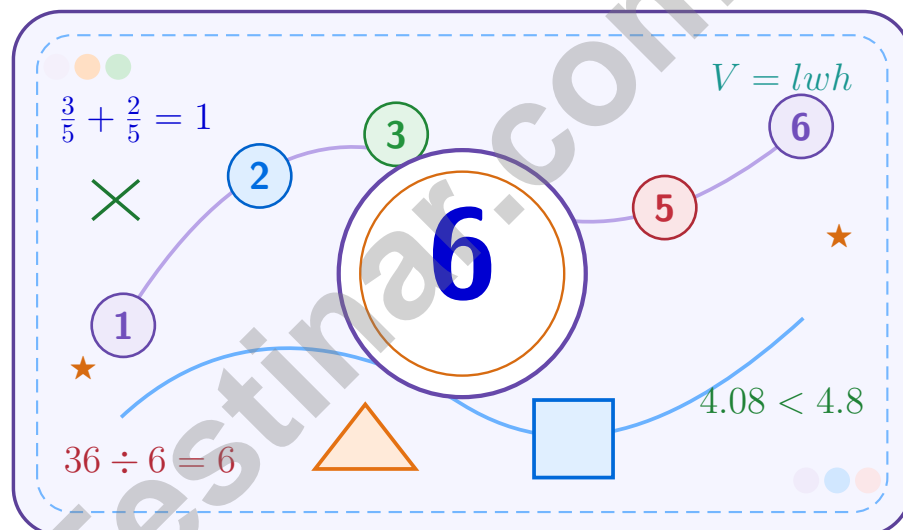
**BUILD CONFIDENCE.
IMPROVE SCORES.**

Target weak areas and
achieve success

★ **STRONG PRACTICE. BRIGHT FUTURE.** ★

6 Georgia Milestones Grade 5 Math Practice Tests

A six-step confidence climb with clear review, smart strategy, and practice that gets stronger every round



Six full tests, a focused skill booster, and student-friendly support from start to finish for Grade 5 mathematicians who want to climb higher.

Jay Daie and Reza Nazari



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Welcome to the Confidence Climb

This book is here to help you practice with purpose and rise step by step

To the Grade 5 Mathematician

This practice book is a place to think, try, fix, and grow. You do not have to be perfect on the first question or the first test. What matters most is careful effort, clear work, and learning from each round of practice.

Use these six 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 fast.

Try

Give each problem your best thinking.

Check

Study mistakes and learn what happened.

Rise

Bring that lesson into the next round.

A strong habit for every page: 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.

How to Use This Book

A simple practice routine that turns six tests into steady growth

Step 1: Warm Up

Start with the quick review.
Spend a few minutes refreshing the ideas before you start a test.

Step 2: Take the Test

Take one full practice test.
Work in a quiet space and let accuracy matter more than speed.

Step 3: Study the Pattern

Check your work honestly.
Circle missed questions and notice patterns in the mistakes.

Step 4: Learn, Then Retry

Read the explanation and try again.
Learning happens after the test too. Fixing mistakes is one of the smartest parts of practice.

A Six-Week Climb Map

Week	Mission Focus
Week 1	Take Test 1 and review any place-value or operation slips.
Week 2	Take Test 2 and focus on showing neat, easy-to-read work.
Week 3	Take Test 3 and give extra time to fractions or decimals if needed.
Week 4	Take Test 4 and slow down on word problems and units.
Week 5	Take Test 5 and compare your score and habits with earlier rounds.
Week 6	Take Test 6 and finish with calm, careful, confident work that uses everything you practiced before.



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Test Overview

What this practice book helps students do

These practice tests are designed to help Grade 5 students get comfortable with the kind of thinking used on the Georgia Milestones. The goal is bigger than only getting answers right. Students are practicing how to read closely, choose a strategy, solve carefully, and explain their work when needed.

Selected-Response Questions

Students solve the problem and choose the best answer. Estimating first and crossing out weak choices can save time and points.

Constructed-Response Questions

Students show their thinking, steps, models, or explanations. Even when unsure, writing what they know can help organize the problem.

Grade 5 Skills You Will Practice Often

- place value, comparing numbers, and rounding
- multi-digit addition, subtraction, multiplication, and division
- fractions, decimals, and mixed numbers
- perimeter, area, volume, and measurement conversions
- coordinate points, patterns, graphs, and tables
- geometry and multi-step word problems

What strong work looks like: the answer is correct, the steps are clear, the labels or units are included, and the final result makes sense.



Table of Contents

★ Practice Test 1	_____	14
★ Practice Test 2	_____	29
★ Practice Test 3	_____	43
★ Practice Test 4	_____	58
★ Practice Test 5	_____	74
★ Practice Test 6	_____	90
Practice Test Answer Keys	_____	104
Practice Test Answers and Explanations	_____	108

Grade 5 Mathematics

1

Questions: 40 Duration: No time limit

Calculator Policy: Calculators are not allowed



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)

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TIME

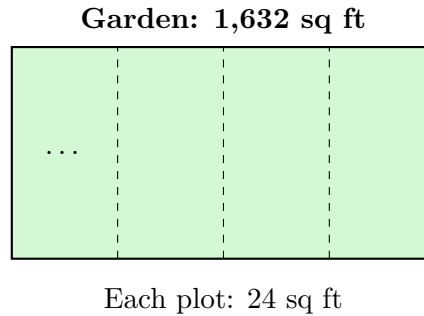
1 minute (min) = 60 seconds (sec) 1 week = 7 days

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

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



- 1) A garden area of 1,632 square feet is divided into plots of 24 square feet each. How many plots are created?



- A. 66 C. 68
 B. 67 D. 69
- 2) Add and write the sum in simplest form: $\frac{4}{10} + \frac{1}{3}$
- A. $\frac{5}{13}$ C. $\frac{22}{15}$
 B. $\frac{11}{15}$ D. $\frac{4}{30}$

- 3) Find: $\frac{5}{6} \times \frac{3}{10}$.

Record your answer in the space provided.

- 4) Compare the decimals: 0.45 and 0.54.

$$0.45 \square 0.54$$

- A. < C. =
 B. > D. Cannot compare



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1) A price is \$5.944. Round to nearest cent (hundredth).

A. \$5.90

C. \$5.95

B. \$5.94

D. \$6.00

2) Which expanded form correctly represents 7.346?

A. $7 + 0.3 + 0.04 + 0.006$

C. $70 + 3 + 0.4 + 0.06$

B. $7 + 3 + 4 + 6$

D. $7 + 0.03 + 0.04 + 0.006$

3) A graph of a number pattern passes through $(1, 5)$, $(2, 10)$, $(3, 15)$. The y -value is 5 times the x -value. What ordered pair should be plotted when $x = 4$?

Record your answer in the space provided.



Grade 5 Mathematics Reference Materials

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- 1) A water tank is filled to 16.5 liters. After use, it reads 7.24 liters. How much water was used?
- A. 8.74 L C. 9.34 L
 B. 8.26 L D. 9.26 L
- 2) “Add 14 and 6. Then divide by 4.” Which expression models this?
- A. $14 + 6 \div 4$ C. $14 \div 4 + 6$
 B. $(14 + 6) \div 4$ D. $6 \div 4 + 14$
- 3) Which product is greatest?
- A. $\frac{1}{2} \times \frac{1}{2}$ C. $\frac{1}{3} \times \frac{1}{2}$
 B. $\frac{1}{4} \times \frac{1}{2}$ D. $\frac{2}{3} \times \frac{1}{2}$
- 4) Observation: $5 \times 20 = 100$; $5 \times 200 = 1,000$; $5 \times 2,000 = 10,000$. Based on this pattern, how many zeros does $5 \times 20,000$ have?
- A. 5 C. 3
 B. 4 D. 6
- 5) A composite solid has a lower prism that is 9 cm by 4 cm by 3 cm and an upper prism that is 8 cm by 4 cm by 3 cm. The prisms do not overlap. What is the total volume?
- A. 156 cubic centimeters C. 204 cubic centimeters
 B. 168 cubic centimeters D. 252 cubic centimeters
- 6) A baker prepares portions. Each portion uses 45 grams of sugar. If 4 portions are prepared, what is the total sugar used in kilograms?
- Use: 1 kilogram = 1,000 grams*
- A. 0.18 kilograms C. 18 kilograms
 B. 1.8 kilograms D. 180 kilograms



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.2.2) $1,632 \div 24 = 68$ plots. Check: $24 \times 68 = 1,632$.
- Choice B is correct.** (5.NR.3.3) $\text{LCM}(10,3) = 30$. $\frac{4}{10} = \frac{12}{30}$ and $\frac{1}{3} = \frac{10}{30}$. $\frac{12}{30} + \frac{10}{30} = \frac{22}{30} = \frac{11}{15}$.
- The correct answer is $\frac{1}{4}$.** (5.NR.3.5) Multiply first: $\frac{5 \times 3}{6 \times 10} = \frac{15}{60}$. Since 15 is one fourth of 60, the product is $\frac{1}{4}$.
- Choice A is correct.** (5.NR.4.2) In the tenths place: 4 tenths < 5 tenths, so $0.45 < 0.54$.
- The correct answer is 12.** (5.NR.3.3) The least common multiple of 3 and 4 is 12.
- Choice B is correct.** (5.NR.3.3) The denominator 10 is multiplied by 3 to make 30. Multiply the numerator by 3: $\frac{7}{10} = \frac{21}{30}$.
- Choice C is correct.** (5.NR.3.6) Count the X marks above 4 photos. There are 4 X marks, so 4 events had 4 photos taken.
- Choice C is correct.** (5.NR.4.4) $2.5 \times 8 = 20$. Multiply: $25 \times 8 = 200$, then place decimal one place from right: $20.0 = 20$ yards.
- Choice A is correct.** (5.NR.4.4) $11.25 - 5.43 = 5.82$. Align decimals and subtract each place.
- Choice C is correct.** (5.NR.3.3) $\frac{5}{12} + \frac{4}{12} = \frac{9}{12} = \frac{3}{4}$ of the string.
- The correct answer is $\frac{3}{8}$.** (5.NR.3.3) $\frac{1}{4} = \frac{2}{8}$. Difference: $\frac{5}{8} - \frac{2}{8} = \frac{3}{8}$.
- Choice A is correct.** (5.NR.1.2) Multiplying by 10,000 moves the decimal four places right. From 0.12, the missing value is 1,200.
- Choice B is correct.** (5.GSR.8.3) Find each part first: Prism A is $9 \times 4 \times 3 = 108$ cubic inches, and Prism B is $6 \times 4 \times 5 = 120$ cubic inches. Because the parts do not overlap, add them: $108 + 120 = 228$ cubic inches.
- Choice A is correct.** (5.NR.3.3) Remaining area is the whole plot minus the planted area.
- Choice C is correct.** (5.NR.1.2) Multiply by 100: move decimal 2 places right: $3.6 \times 100 = 360$.
- Choice A is correct.** (5.NR.4.1) In 0.68, the 6 is in the tenths place (0.1) and the 8 is in the hundredths place (0.01): $6 \times 0.1 + 8 \times 0.01 = 0.68$.
- The correct answer is 10000.** (5.NR.1.2) 10^4 means $10 \times 10 \times 10 \times 10 = 10,000$ (a 1 followed by 4 zeros).
- The correct answer is $3\frac{1}{2}$.** (5.NR.3.5) Convert both mixed numbers first: $1\frac{1}{2} = \frac{3}{2}$ and $2\frac{1}{3} = \frac{7}{3}$. Then $\frac{3}{2} \times \frac{7}{3} = \frac{21}{6} = \frac{7}{2} = 3\frac{1}{2}$.
- Choices A, B are correct.** (5.GSR.8.3) The base area is $5 \times 4 = 20$ square units, and the volume is $20 \times 3 = 60$ cubic units. Nice careful multiplying points to A and B.
- Choice D is correct.** (5.NR.1.1) The two sides with tick marks are equal, making this an isosceles triangle.
- Choice D is correct.** (5.PAR.6.2) Each term of B is 2 times the corresponding A term.
- Choice D is correct.** (5.NR.5.1) The quotient part is $48 \div 6$, and the product part is 2×3 . The phrase says to subtract the product from the quotient.
- Choice D is correct.** (5.GSR.8.3) $V = 6 \times 4 \times 3 = 72$ cubic meters.
- Choice A is correct.** (5.NR.3.6) $\frac{1}{6} \div 3 = \frac{1}{6} \times \frac{1}{3} = \frac{1}{18}$.
- Choice D is correct.** (5.NR.5.1) The phrase "three times as much" tells us to take the whole amount ($8 + 5$) and multiply it by 3. That gives $3 \times (8 + 5)$.
- Choice C is correct.** (5.NR.3.5) $24 \times \frac{5}{6} = 20$ inches. Multiplying by $\frac{5}{6}$ (less than 1) gives a smaller result, but still close to the original.
- Choice A is correct.** (5.NR.3.6) $6 \div \frac{1}{3} = 6 \times 3 = 18$.
- Choice A is correct.** (5.MDR.7.4) The shaded bar extends from 0 to 2.5, which is $2\frac{1}{2}$ inches.
- Choice D is correct.** (5.NR.3.6) $3 \div \frac{1}{8} = 3 \times 8 = 24$ strips.
- Choice C is correct.** (5.GSR.8.2) A pentagon is a polygon with 5 sides. It is not a quadrilateral because it does not have 4 sides.



Greetings, Master Architect!

★ Magnificent construction work! You've designed and completed six comprehensive practice test structures, carefully planning each solution and building solid mathematical foundations like a skilled architect! Every problem required you to visualize the final answer, create a strategic plan, and construct your solution step by step. That structured thinking is your greatest asset! ★

◇ **Here's what master architects know:** before constructing anything magnificent, they create detailed blueprints and study them carefully. You've done exactly that through these six tests! You've blueprinted strategies for every problem type, and now those plans are stored in your architectural library. On test day, you'll simply pull out the right blueprint and build your solution with confidence! ◇

Architectural Achievements Completed

- **Foundation Skills:** Your mathematical base is rock-solid and unshakeable!
- **Structural Planning:** You organize information efficiently before constructing solutions!
- **Quality Control:** You inspect your work carefully, ensuring structural integrity!
- **Design Mastery:** You can visualize solutions and execute plans with precision!

Remember this architectural principle: the strongest buildings have the strongest foundations! Six complete practice tests have given you an incredibly strong foundation. You've reinforced your skills, tested your structures, and proven everything holds firm. Test day is your ribbon-cutting ceremony; time to showcase your masterpiece!

Want to share your architectural designs or discuss a particularly elegant solution structure? Send your blueprints to reza@testinar.com. I admire well-designed mathematical constructions!

Reza Nazari & Jay Daie

Your Math Coaches (Check, Fix, Grow)

6 FULL-LENGTH TESTS. ENDLESS POTENTIAL.

PRACTICE TODAY. SUCCEED TOMORROW.

Give your child the tools they need to build strong math skills and test-taking confidence! This book includes **6 full-length practice tests** along with standards-based practice, mixed review, word problems, and a complete answer key.

★★★
PRACTICE
WITH PURPOSE.
ACHIEVE WITH
CONFIDENCE.

WHAT'S INSIDE:



6 FULL-LENGTH PRACTICE TESTS

Realistic tests designed to reflect the actual test format and help build confidence.



STANDARDS-BASED PRACTICE

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



MIXED REVIEW

Reinforces key concepts with a variety of question types and review exercises.



WORD PROBLEMS

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



COMPLETE ANSWER KEY

Step-by-step explanations for every question to support learning and growth.



IMPROVE. PRACTICE. ACHIEVE.

Consistent practice leads to stronger skills, higher scores, and greater success.



WHY PRACTICE MAKES A DIFFERENCE



BUILD CONFIDENCE

Feel prepared and ready for any challenge.



IMPROVE ACCURACY

Strengthen skills and reduce careless mistakes.



THINK STRATEGICALLY

Develop problem-solving skills and deepen understanding.



MANAGE TIME

Practice under timed conditions to build stamina.



STAY MOTIVATED

Track progress and celebrate every win.



ACHIEVE SUCCESS

Reach goals and unlock your full potential!



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Smart Practice. Stronger Results.