

7

Georgia

Milestones

GRADE 5

MATHEMATICS

PRACTICE TESTS

✓
PRACTICE
PREPARE
SUCCEED

★★★

Comprehensive Standards-Aligned
Review for Strong Grade 5
Math Performance



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

$$2.4 + 1.6 = 4.0$$

$$A = \frac{bh}{2}$$



**7 FULL-LENGTH
PRACTICE TESTS**

Realistic style
questions



**STANDARDS-
ALIGNED**

Covers all Grade 5
standards



BUILD CONFIDENCE

Target weak areas
and improve
performance



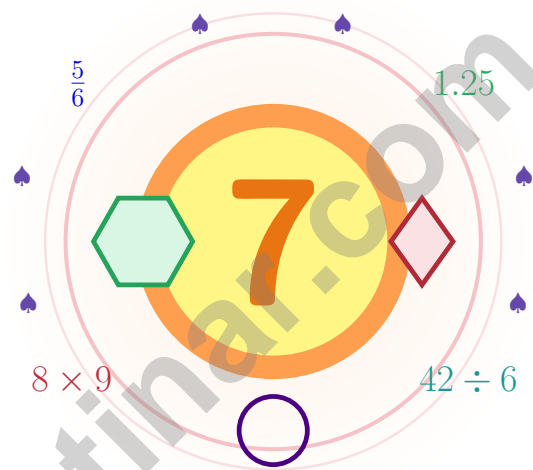
ACHIEVE SUCCESS

Develop skills,
stay prepared,
excel on test day

★ PRACTICE TODAY. PERFORM TOMORROW. **SUCCEED** FOREVER. ★

7 Georgia Milestones Grade 5 Math Practice Tests

A seven-step adventure for Georgia Grade 5 thinkers



Seven full tests, a concise 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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Strap In, Georgia – Seven-Test Journey

Seven full tests and a coach's voice on every page

Georgia Mathematicians, Read This First

This practice book is your steady companion for seven 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 seven 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.

Watch

Watch what the problem actually wants from you.

Choose

Choose the operation, model, or table that fits.

Polish

Check labels, units, and the final word of the question.

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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From Cover to Final Test

A simple routine that turns practice into progress

Step 1: Open

Open the warm-up review and use it.

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

Step 2: Test

Take the test with steady focus.

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

Step 3: Reflect

Notice what was sharp and what was shaky.

Circle missed questions and notice which topics keep showing up.

Step 4: Sharpen

Practice the shaky skills before the next round.

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

A Good 7-Week Georgia Rhythm

Week 1	Take Test 1 like a porch-shade afternoon.
Week 2	Take Test 2 and slow down on word problems.
Week 3	Take Test 3 and lift fraction and decimal work.
Week 4	Take Test 4 and pay close attention to labels and units.
Week 5	Take Test 5 and compare your habits with your first test.
Week 6	Take Test 6 and practice staying calm during tricky questions.
Week 7	Take Test 7 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	$A = l \times w$
Area of Triangle	$A = \frac{1}{2} \times b \times h$
Volume of Rectangular Prism	$V = l \times w \times h$

LENGTH

Customary	Metric
1 foot (ft) = 12 inches (in.)	1 meter (m) = 100 centimeters (cm)
1 yard (yd) = 3 feet (ft)	1 centimeter (cm) = 10 millimeters (mm)
1 yard (yd) = 36 inches (in.)	1 kilometer (km) = 1,000 meters (m)

CAPACITY

Customary	Metric
1 cup (c) = 8 fluid ounces (fl oz)	1 liter (L) = 1,000 milliliters (mL)
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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 store receives merchandise shipments on different days: Monday: 15.75 kg Tuesday: 12.5 kg Wednesday: 18.25 kg
If the storage capacity is 50 kg and currently 2 kg is stored, how much more merchandise can be added before reaching capacity?

- A. 1.25 kg C. 1.5 kg
 B. 3.5 kg D. 2.25 kg

- 6) Three swimmers swim laps: A swims $\frac{3}{5}$ lap, B swims $\frac{2}{3}$ lap, and C swims $\frac{5}{6}$ lap. To order them from least to most, what common denominator should be used?

Swimmer	Original	With LCD
A	$\frac{3}{5}$	$\frac{?}{30}$
B	$\frac{2}{3}$	$\frac{?}{30}$
C	$\frac{5}{6}$	$\frac{?}{30}$

- A. 15 C. 60
 B. 30 D. 90

- 7) A prism has volume 240 cm^3 and base area 30 cm^2 . Find its height.

Record your answer in the space provided.

- 8) A toy box is 3 feet long, 2 feet wide, and 2 feet tall. What is its volume in cubic feet?

- A. 7 cubic feet C. 12 cubic feet
 B. 10 cubic feet D. 14 cubic feet



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- 1) One fifth of a cake is shared equally by 2 children. Which division equation finds each share?

A. $2 + \frac{1}{5} = n$

B. $2 \div \frac{1}{5} = n$

C. $\frac{1}{5} \times 2 = n$

D. $\frac{1}{5} \div 2 = n$

- 2) Evaluate: $(15 \div 3) + 7$

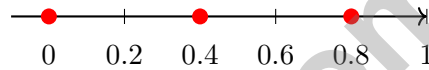
A. 9

B. 10

C. 12

D. 22

- 3) On a number line, plot the decimals 0.4 and 0.8. Which is farther from 0?



A. 0.4

B. Cannot tell

C. They are equal distance

D. 0.8

- 4) Without calculating both products, which expression has the larger value?

A: $\frac{2}{3} \times 24$ B: $\frac{4}{5} \times 24$

Record A or B in the space provided.

- 5) Which fraction is equivalent to $\frac{1}{5}$ with denominator 20?

A. $\frac{1}{20}$

B. $\frac{4}{20}$

C. $\frac{5}{20}$

D. $\frac{10}{20}$



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1) Which statement is true about $2\frac{1}{2} \times 1\frac{1}{4}$?

- A. The product is less than $2\frac{1}{2}$ C. The product equals 3
 B. The product is greater than 3 but less than 4 D. The product is less than 2

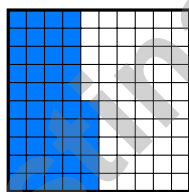
2) A rectangular prism is built in three stages. Stage 1: 10 cubes. Stage 2: add 10 more. Stage 3: add 10 more. What is the final volume?

- A. 10 unit cubes C. 30 unit cubes
 B. 20 unit cubes D. 15 unit cubes

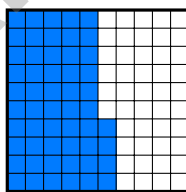
3) How many times larger is 10^5 than 10^2 ?

- A. 10 times C. 1000 times
 B. 100 times D. 10000 times

4) Use the hundredths grid to model 0.45 and identify the correct comparison:



0.45



0.54

Which is greater: 0.45 or 0.54?

- A. 0.45 C. Equal
 B. Cannot tell from grid D. 0.54



Grade 5 Mathematics Reference Materials

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1) Pattern: $25 \times 4 = 100$; $25 \times 40 = 1,000$; $25 \times 400 = ?$

A. 1,000

C. 100,000

B. 10,000

D. 10

2) Which factor makes $\text{factor} \times 6 > 6$ true?

A. $\frac{4}{5}$

C. 1

B. $\frac{9}{10}$

D. $1\frac{1}{10}$

3) What is $320 \div 1,000$?

A. 32

C. 0.32

B. 3.2

D. 0.032

4) A student graphs reading progress. The x-axis shows hours read, and the y-axis shows pages read. What does the point (2, 50) mean?

A. pages read is 50 when hours read is 2

C. hours read and pages read are both 52

B. hours read is 50 when pages read is 2

D. pages read is 2 when hours read is 50

5) Find: $6 \div \frac{1}{3}$.

Record your answer in the space provided.



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.3.3)** The labels are in half-inches. The total is $(2 \times 4) + (4 \times 2) + (6 \times 2) + (8 \times 1) + (10 \times 1) = 46$ half-inches. Since 2 half-inches make 1 inch, $46 \div 2 = 23$ inches.
- Choice D is correct.** **(5.NR.3.3)** LCD = 12. $\frac{3}{4} = \frac{9}{12}$; $\frac{1}{6} = \frac{2}{12}$; $\frac{9}{12} - \frac{2}{12} = \frac{7}{12}$.
- The correct answer is 72 cubic feet.** **(5.GSR.8.3)** The garden bed is a rectangular prism, so multiply the three dimensions: $9 \times 4 \times 2 = 72$ cubic feet.
- Choice B is correct.** **(5.NR.1.2)** $105 \times 10 = 1050$. Append one zero to 105.
- Choice C is correct.** **(5.MDR.7.1)** Total received: $15.75 + 12.5 + 18.25 = 46.5$ kg. Current + new: $2 + 46.5 = 48.5$ kg. Capacity remaining: $50 - 48.5 = 1.5$ kg.
- Choice B is correct.** **(5.NR.3.3)** LCM of 5, 3, 6 is 30. $\frac{3}{5} = \frac{18}{30}$, $\frac{2}{3} = \frac{20}{30}$, $\frac{5}{6} = \frac{25}{30}$. Order: A, B, C.
- The correct answer is 8 cm.** **(5.GSR.8.3)** Divide the volume by the base area: $240 \div 30 = 8$, so the height is 8 cm.
- Choice C is correct.** **(5.GSR.8.3)** Volume = $l \times w \times h = 3 \times 2 \times 2 = 12$ cubic feet.
- Choice D is correct.** **(5.NR.3.3)** $12\frac{5}{8} - 5\frac{3}{8} = 7\frac{2}{8}$ mi, and $\frac{2}{8} = \frac{1}{4}$. So $7\frac{1}{4}$ miles remain.
- The correct answer is 39.2.** **(5.NR.5.1)** Choose the operation from the story, then keep the unit with the answer. $5.6 \times 7 = 39.2$ km. This confirms the answer.
- Choice C is correct.** **(5.GSR.8.3)** Each prism holds 20 unit cubes. Stacking three identical prisms gives $20 + 20 + 20 = 60$ unit cubes total.
- Choice C is correct.** **(5.NR.3.4)** $\frac{3}{8}$ of 16 is $\frac{3}{8} \times 16 = 6$. Malik eats 6 brownie pieces.
- Choice A is correct.** **(5.NR.1.2)** Dividing by 10 moves the decimal 1 place left: $63.9 \div 10 = 6.39$.
- Choice B is correct.** **(5.NR.2.1)** Multiply: $15 \times 23 = 15 \times (20 + 3) = (15 \times 20) + (15 \times 3) = 300 + 45 = 345$ plants.
- Choice C is correct.** **(5.NR.1.2)** $0.003 \times 10^4 = 0.003 \times 10000 = 30$. Moving decimal 4 places right gives 30.
- Choice B is correct.** **(5.NR.2.2)** If $1,620 \div 27 = 60$, then $3,240 \div 54 = 60$ as well (double both dividend and divisor). Option B: $54 \times 60 = 3,240$ (correct).
- Choice C is correct.** **(5.PAR.6.2)** The next first coordinate is 4. Use the rule: $4(4) - 2 = 16 - 2 = 14$, so the next point is (4, 14).
- Choices A, C are correct.** **(5.NR.5.1)** A is true because $20 + 1$ creates one extra group of 5. C is true because $100 - 1$ creates one fewer group of 9 than 100 groups. B changes the grouping, and D is equal rather than greater.
- Choice B is correct.** **(5.NR.3.6)** A meter has 10 tenths, so $1 \div \frac{1}{10} = 10$ fixtures.
- Choice D is correct.** **(5.NR.1.2)** $180 = 18 \times 10$ and $500 = 5 \times 100$. The nonzero parts make $18 \times 5 = 90$, and the powers of 10 make $10 \times 100 = 1,000$. So $90 \times 1,000 = 90,000$, which has 4 zeros total.
- Choice D is correct.** **(5.GSR.8.3)** Cubic units measure volume, which is the amount of 3D space a solid figure occupies.
- Choice A is correct.** **(5.MDR.7.3)** $\frac{2}{3} \times \frac{2}{5} = \frac{4}{15}$. The overlap covers 4 squares out of 15 total.
- Choice B is correct.** **(5.GSR.8.2)** A shape with opposite sides parallel and opposite sides equal is a parallelogram. The figure shown has these properties.
- Choice D is correct.** **(5.GSR.8.3)** Find each part first: Prism A is $9 \times 4 \times 2 = 72$ cubic meters, and Prism B is $6 \times 2 \times 1 = 12$ cubic meters. Because the parts do not overlap, add them: $72 + 12 = 84$ cubic meters.
- Choice B is correct.** **(5.PAR.6.2)** In an ordered pair (x, y) , the y represents the vertical distance (how far up) from the origin.
- Choice A is correct.** **(5.GSR.8.3)** Volume = $l \times w \times h = 8 \times 5 \times 4 = 160$ cm³.
- Choice B is correct.** **(5.MDR.7.4)** 1 meter = 100 centimeters. Divide: $300 \div 100 = 3$ m.
- Choice A is correct.** **(5.NR.3.5)** $3\frac{1}{4} = \frac{13}{4}$. Then $\frac{13}{4} \times 2 = \frac{26}{4} = 6\frac{2}{4} = 6\frac{1}{2}$.
- Choice C is correct.** **(5.NR.1.1)** All three angles (89° , 45° , 46°) are less than 90 degrees, making this an acute triangle. Since all side lengths are different, it is scalene.
- Choice D is correct.** **(5.PAR.6.1)** For input 4, $3 \times 4 + 2 = 14$, not 15. The correct pair is (4, 14).



Growth Mindset

Dear Student,

★ Seven practice tests taught you something bigger than math: persistence. Persistence is the habit of continuing even when something feels difficult. ★

◇ **A growth mindset says:** “I can’t do it yet.” That tiny word—yet—changes everything. ◇

Growth Statements

- **Instead of:** “I’m bad at this.” **Say:** “I’m learning this.”
- **Instead of:** “This is too hard.” **Say:** “I’ll try one step.”
- **Instead of:** “I made a mistake.” **Say:** “Now I know what to fix.”
- **Instead of:** “I’m stuck.” **Say:** “I’ll come back with a plan.”

Keep going. You proved you can improve—seven times.

Email me at reza@testinar.com.

Reza Nazari & Jay Daie
Your Math Coaches (Keep Growing)

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PRACTICE TODAY. PERFORM TOMORROW.

Success in math starts with practice! This book provides the **practice, confidence, and skills** your child needs to excel on the Grade 5 Math test and beyond.

KEY BENEFITS:



TARGETED PRACTICE

Focus on the most important Grade 5 math skills.



STANDARD-ALIGNED

All tests align with state standards for Grade 5.



BUILD CONFIDENCE

Strengthen skills, reduce test anxiety, and boost confidence.



IMPROVE PERFORMANCE

Timed practice helps improve speed and accuracy.



ACHIEVE SUCCESS

Develop strong test-taking skills and achieve your best score!

PERFECT FOR:

✓ Classroom Practice

✓ Homework Help

✓ Test Preparation

✓ Summer Learning

✓ On-the-Go Practice

✓
PRACTICE
PREPARE
SUCCEED



STRONG SKILLS. BRIGHT FUTURE.

Give your child the tools they need to succeed in math and in life!



Visit testinar.com/math5 for more Grade 5 math resources and practice materials!



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BY PARENTS

Quality resources you can trust.



DESIGNED
FOR SUCCESS

Proven practice for real results.



SUPPORT
YOUR CHILD

Every step of the way.