

10 COMPLETE

Georgia

Milestones

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



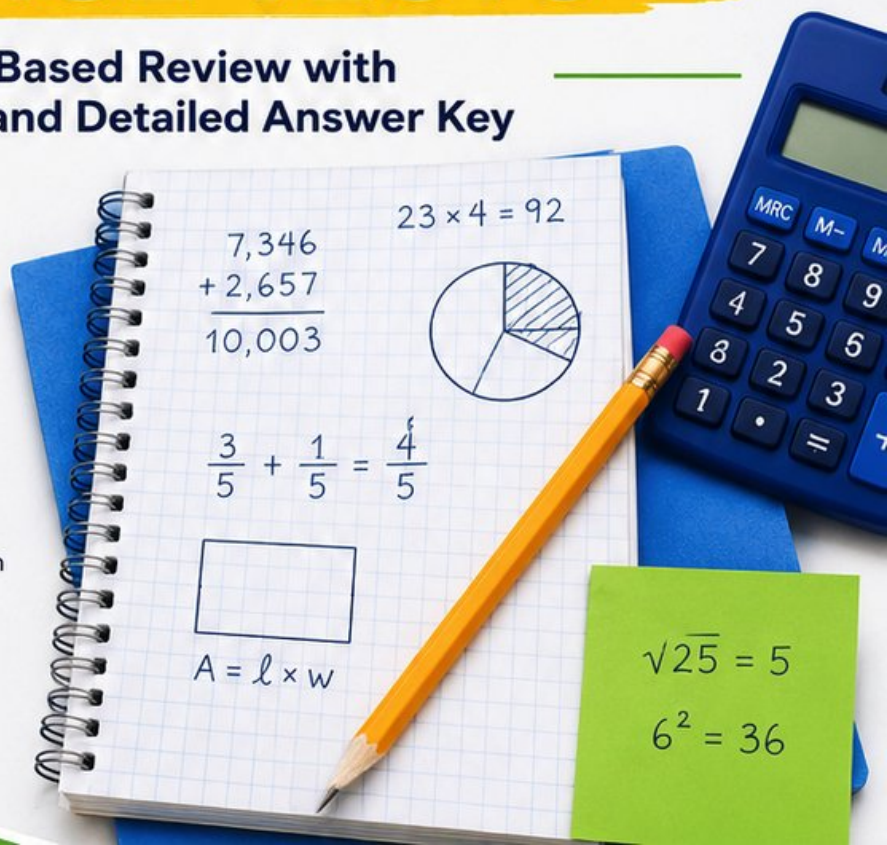
Mixed Practice

Variety of question types to strengthen skills



Detailed Answer Key

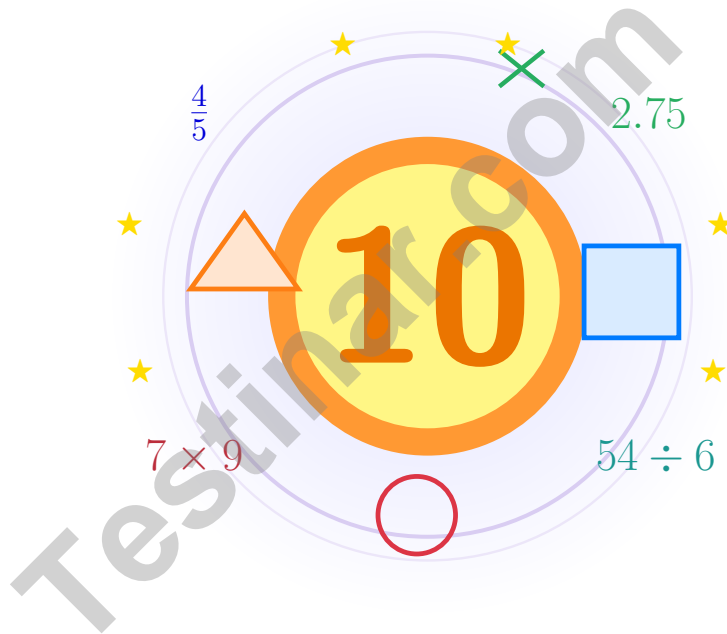
Step-by-step explanations for every question



**PREPARE.
PRACTICE.
SUCCEED!**

10 Georgia Milestones 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

Week 1	Take Test 1 and notice your starting strengths.
Week 2	Take Test 2 and slow down on word problems.
Week 3	Take Test 3 and sharpen multiplication and division checks.
Week 4	Take Test 4 and focus on fractions and decimals.
Week 5	Take Test 5 and watch your labels and units closely.
Week 6	Take Test 6 and practice calmer pacing.
Week 7	Take Test 7 and compare your habits with the earlier weeks.
Week 8	Take Test 8 and focus on tidy, checkable work.
Week 9	Take Test 9 and compare your progress with the way you worked in the earlier weeks.
Week 10	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



Grade 5 Mathematics Reference Materials

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1 year = 52 weeks



1) Add: $\frac{1}{3} + \frac{1}{4}$

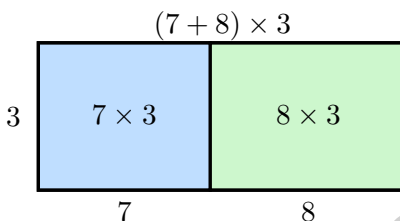
A. $\frac{2}{7}$

B. $\frac{2}{12}$

C. $\frac{1}{12}$

D. $\frac{7}{12}$

2) A diagram shows how $(7 + 8) \times 3$ can be split into two parts. Based on the area model, which is true?



A. $(7 \times 3) + (8 \times 3) = (7 + 8) \times 3$

B. $(7 \times 3) - (8 \times 3) = (7 + 8) \times 3$

C. $(7 + 8) + 3 = (7 + 8) \times 3$

D. $(7 \times 3) = (7 + 8) \times 3$

3) A triangle has sides of length 5 cm, 5 cm, and 7 cm. What type of triangle is this based on its sides?

 A. Equilateral triangle

 B. Isosceles triangle

 C. Scalene triangle

 D. Right triangle

4) Compare without calculating: $(4 + 8) \times (3 + 2)$ $4 \times 3 + 8 \times 2$

 A. Cannot tell

 B. $<$
 C. $=$
 D. $>$

5) A water bottle holds 1.5 liters. If a person drinks 350 mL at breakfast, 280 mL at lunch, and 420 mL at dinner, how much water remains?

Use: 1 liter = 1,000 mL

 A. 350 mL

 B. 450 mL

 C. 500 mL

 D. 550 mL


39) Ribbon is $\frac{7}{9}$ meter long. Sara cuts off $\frac{1}{3}$ meter. How much left?

A. $\frac{4}{9}$ meter

B. $\frac{6}{6}$ meter

C. $\frac{6}{12}$ meter

D. $\frac{2}{6}$ meter

40) Why does $5.00 - 1.23$ require regrouping?

A. Regrouping is not needed because the ones are large enough.

B. The tenths and hundredths in 5.00 must be regrouped.

C. No, the difference is 3.87

D. Subtracting from left to right avoids regrouping.

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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

- 1) **Choice A is correct.** (5.GSR.8.2) The top and bottom sides are parallel, but the left and right sides are not parallel. So the figure has exactly one pair of parallel sides.
- 2) **Choice A is correct.** (5.NR.4.4) $0.75 - 0.24 = 0.51$. After removing the 24 darker squares from the 75 shaded squares, 51 shaded squares remain, which equals 0.51.
- 3) **Choice A is correct.** (5.GSR.8.2) Perpendicular lines meet at a right angle (90°). The bottom and left sides of a rectangle meet at a right angle.
- 4) **Choice A is correct.** (5.NR.3.3) $12 - 5 = 7$ and $\frac{10}{12} - \frac{8}{12} = \frac{2}{12} = \frac{1}{6}$. Result: $7\frac{1}{6}$.
- 5) **Choice C is correct.** (5.GSR.8.3) The base layer has $5 \times 3 = 15$ square units. Divide the volume by the base area: $30 \div 15 = 2$, so the height is 2 feet.
- 6) **Choice C is correct.** (5.NR.3.3) Add: $1\frac{5}{12} + 2\frac{7}{12} = 3\frac{12}{12} = 4$.
- 7) **Choice C is correct.** (5.GSR.8.3) One box: $5 \times 3 \times 2 = 30 \text{ m}^3$. Four boxes: $30 \times 4 = 120 \text{ m}^3$.
- 8) **Choice A is correct.** (5.GSR.8.3) Find each part first: Prism A is $8 \times 2 \times 5 = 80$ cubic centimeters, and Prism B is $3 \times 3 \times 3 = 27$ cubic centimeters. Because the parts do not overlap, add them: $80 + 27 = 107$ cubic centimeters.
- 9) **Choice D is correct.** (5.NR.3.6) Divide a unit fraction by a whole number: $\frac{1}{2} \div 4 = \frac{1}{2} \times \frac{1}{4} = \frac{1}{8}$ pound per batch.
- 10) **Choice B is correct.** (5.NR.4.2) $2.53 > 2.35$ because in the tenths place, 5 tenths $>$ 3 tenths. Week 2 had more rainfall.
- 11) **Choice A is correct.** (5.NR.5.1) The diagram helps you move step by step: $10 - 8 = 2$, then $2 + 3 = 5$, then $6 \times 5 = 30$. The final subtraction is $30 - 15 = 15$.
- 12) **Choice B is correct.** (5.NR.5.1) Check each expression after simplifying the parentheses. A is $24 \div 4 = 6$, a whole number. B is $13 \div 6$, which is not a whole number. C is $16 \div 4 = 4$, so only B fits.
- 13) **Choice A is correct.** (5.NR.4.4) On a 10×10 hundredths grid, shading 7 columns (width) and 8 rows (height) gives $7 \times 8 = 56$ shaded squares, representing 0.56 or 56%.
- 14) **Choice D is correct.** (5.PAR.6.2) Rule A: 2, 6, 10; Rule B: 1, 4, 7. Second pair is (6,4), third is (10,7).
- 15) **Choice A is correct.** (5.NR.5.1) In $14 + 7 \times 3$, only the 7 is multiplied by 3. In $(14 + 7) \times 3$, the whole sum is multiplied by 3, so the second expression is larger.
- 16) **The correct answer is 48.** (5.GSR.8.3) The bottom layer has 12 cubes, and the prism is 4 layers tall. That gives $12 \times 4 = 48$ cubic units.
- 17) **The correct answer is 24.** (5.GSR.8.3) Think of the prism as layers of cubes. Each layer has $4 \times 3 = 12$ cubes, and 2 layers make $12 \times 2 = 24$ unit cubes.
- 18) **Choice A is correct.** (5.NR.3.5) Grid: $6 \times 4 = 24$ cells. Shaded (5 of 6 columns, 3 of 4 rows): $5 \times 3 = 15$ cells. Answer: $\frac{15}{24} = \frac{5}{8}$.
- 19) **Choices A, B are correct.** (5.NR.4.3) 3.17 and 3.24 both round to 3.2 to the nearest tenth. 3.25 rounds up to 3.3, and 3.09 rounds to 3.1.
- 20) **Choice B is correct.** (5.PAR.6.2) Use the rule on each input. $1 + 10 = 11$, $2 + 10 = 12$, and $3 + 10 = 13$, so the outputs are 11, 12, 13.
- 21) **Choice B is correct.** (5.PAR.6.2) The first coordinate, 8, matches the x-axis label: minutes. The second coordinate, 2, matches the y-axis label: miles completed. So the point means miles completed is 2 when minutes is 8.
- 22) **Choice A is correct.** (5.NR.3.3) LCD of 8 and 12 is 24. $\frac{7}{8} = \frac{21}{24}$ and $\frac{5}{12} = \frac{10}{24}$.
- 23) **Choice B is correct.** (5.NR.2.2) Check each row. A should be 24, not 23. B is correct because $17 \times 35 = 595$. C should be 23, not 24. D should be 27, not 28.
- 24) **Choice B is correct.** (5.NR.5.1) First find the apples Marissa bought: 3 bags times 5 apples is 3×5 . Then subtract the 2 apples she ate.
- 25) **Choice A is correct.** (5.NR.1.1) All three sides have different lengths (4 cm, 7 cm, 9 cm), so this is a scalene triangle.
- 26) **Choice B is correct.** (5.PAR.6.1) Multiples of 11: 20th multiple is $11 \times 20 = 220$.
- 27) **Choice D is correct.** (5.NR.2.1) Round 23 to 20 and 18 to 20. Then $20 \times 20 = 400$.
- 28) **Choice D is correct.** (5.NR.3.5) $2\frac{3}{4} = \frac{11}{4}$ and $2\frac{2}{5} = \frac{12}{5}$. Multiply: $\frac{11}{4} \times \frac{12}{5} = \frac{132}{20} = 6\frac{12}{20} = 6\frac{3}{5}$.



Champion's Training Log

Dear Math Champion,

◇ Look at what you did. 10 full practice tests. Hundreds of math problems. Every one of them strengthened your mind. You walked into this prep series as a learner, and you are walking out as a math athlete who knows how to compete. ◇

★ **What champions know:** talent is helpful, but training is everything. You trained. You showed up. You did the work. That is why your skills are sharp today. ★

Champion's Skill Card

- **Focus:** MAXED OUT! You can lock onto a problem and stay there.
- **Speed:** CALIBRATED! You move quickly without rushing.
- **Accuracy:** HIGH! You catch your own mistakes.
- **Mindset:** CHAMPION-LEVEL! You believe in your skills.

Final champion tip: on test day, walk in like you have trained for it—because you have. Sit down. Breathe. Read carefully. Work steadily. Check confidently. You will be amazed at how prepared you actually are.

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 Coaches (Champion-in-Training)

PRACTICE TODAY. MASTER TOMORROW.

Give your child the confidence to excel in **Grade 5 Math!**
This book includes **10 complete practice tests** designed to build strong skills, improve test readiness, and achieve success.



10

**COMPLETE
PRACTICE
TESTS**

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- ✓ Results-Driven.

More practice today for a **stronger** tomorrow.



THIS BOOK HELPS YOUR CHILD:



Build Confidence

Familiar, focused practice reduces anxiety and boosts self-belief.



Strengthen Skills

Reinforces key math concepts through high-quality, standards-aligned questions.



Improve Test Readiness

Full-length tests help students understand test format, pacing, and question types.



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Identify strengths and target areas with purposeful practice.



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Better preparation leads to higher scores and bright futures.

COVERS ALL ESSENTIAL TOPICS

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- ✓ Fractions & Decimals
- ✓ Algebraic Thinking
- ✓ Geometry
- ✓ Measurement & Data
- ✓ Graphing & Data Analysis
- ✓ Number Patterns
- ✓ Word Problems
- ✓ Ratio & Proportion
- ✓ Perimeter, Area & Volume
- ✓ And More!



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