

# 9

# Mississippi

## MAAP

# GRADE 5 MATHEMATICS PRACTICE TESTS

Full-Length Standards-Aligned Practice  
for Strong Math Performance

$$A = l \times w$$

$$x^2 + 3x - 4 = 0$$

$$y = 2x + 1$$



# 9

FULL-LENGTH  
PRACTICE  
TESTS

$$2,345 \times 6 = 14,070$$



$$\frac{3}{4} + \frac{1}{8} = \frac{7}{8}$$

$$7.2 \div 0.8 = 9$$



$$(12 + 8) \div 4 = 5$$



Build Confidence



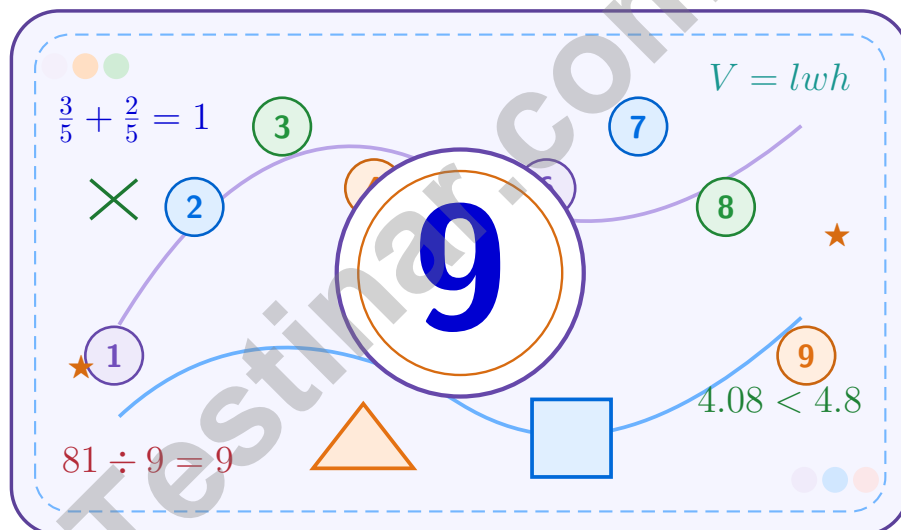
Improve Math Skills



Achieve Success

# 9 Mississippi MAAP Grade 5 Math Practice Tests

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



**Nine full tests, focused skill boosters, and student-friendly support from start to finish for Grade 5 mathematicians who want to climb higher.**

**Jay Daie and Reza Nazari**



# Copyright ©

## Testinar Inc



Published by Testinar Inc

[Testinar.com](http://Testinar.com)

All rights reserved. No part of this publication may be reproduced, distributed, or transmitted in any form or by any means, including photocopying, recording, or other electronic or mechanical methods, without the prior written permission of the author, except in the case of brief quotations embodied in critical reviews and certain other noncommercial uses permitted by copyright law, including Section 107 or 108 of the 1976 United States Copyright Act.

This publication is independently produced and has no official connection to any state, district, or national testing program.

Test names and organizational names used herein are the property of their respective trademark holders.



*Copyright ©*

# 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 nine 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 nine tests into steady growth

## A Nine-Session Climb Map

Session	Mission Focus
1	Take Test 1; review place value and operation slips.
2	Take Test 2; keep work neat and easy to read.
3	Take Test 3; give extra time to fractions and decimals.
4	Take Test 4; slow down on word problems and units.
5	Take Test 5; compare scores and habits with earlier rounds.
6	Take Test 6; notice which habits are now automatic.
7	Take Test 7; explain open-ended answers clearly.
8	Take Test 8; review topics that still need attention.
9	Take Test 9; finish with calm, careful, confident work.

### 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.



Scan me

# 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 Mississippi MAAP. 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	_____	16
★ Practice Test 2	_____	30
★ Practice Test 3	_____	47
★ Practice Test 4	_____	62
★ Practice Test 5	_____	78
★ Practice Test 6	_____	93
★ Practice Test 7	_____	108
★ Practice Test 8	_____	124
★ Practice Test 9	_____	138
<b>Practice Test Answer Keys</b>	_____	<b>155</b>
<b>Practice Test Answers and Explanations</b>	_____	<b>161</b>

## 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



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

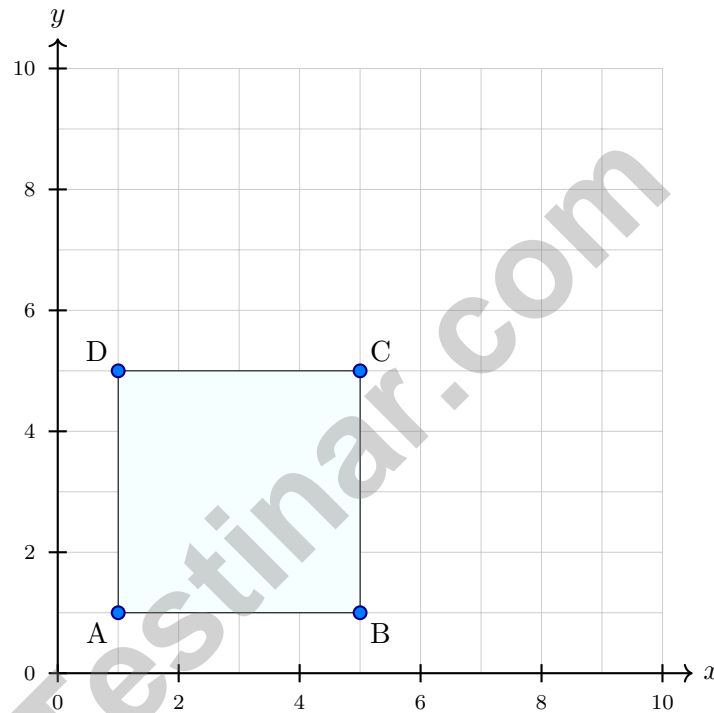
A. \$5.90

C. \$5.95

B. \$5.94

D. \$6.00

2) On a coordinate plane, a quadrilateral ABCD has vertices at  $A(1, 1)$ ,  $B(5, 1)$ ,  $C(5, 5)$ , and  $D(1, 5)$ . What is the most specific name for this quadrilateral?



A. Square

C. Trapezoid

B. Rectangle

D. Parallelogram

3) Evaluate the expression:  $(4 + 5) \times 2$

A. 11

C. 18

B. 14

D. 20



- 4) A box uses 18 unit cubes arranged in a  $3 \times 3 \times 2$  prism. What is the volume?

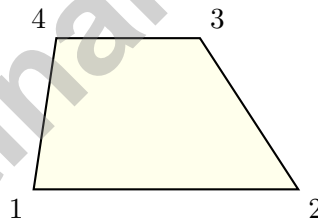
*Record your answer in the space provided.*

- 5) In the number 6.482, what is the place value of the digit 8?

6.482

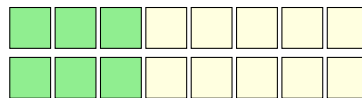
- |  |   |
|--|---|
| <input type="checkbox"/> A. Tenths     | <input type="checkbox"/> C. Thousandths |
| <input type="checkbox"/> B. Hundredths | <input type="checkbox"/> D. Ones        |

- 6) Look at the shape. How many obtuse angles does it have?



- |                               |                               |
|-------------------------------|-------------------------------|
| <input type="checkbox"/> A. 0 | <input type="checkbox"/> C. 2 |
| <input type="checkbox"/> B. 1 | <input type="checkbox"/> D. 4 |

- 7) Rectangle divided into 8 equal parts, with 3 parts shaded per unit:



What is  $2 \times \frac{3}{8}$ ?

- |  |  |
|--|--|
| <input type="checkbox"/> A. $\frac{2}{3}$  | <input type="checkbox"/> C. $\frac{5}{8}$                  |
| <input type="checkbox"/> B. $\frac{6}{16}$ | <input type="checkbox"/> D. $\frac{6}{8}$ or $\frac{3}{4}$ |



## 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



1) What is  $\frac{3}{10} \times 4$ ?

- A.  $\frac{3}{6}$   
 B.  $\frac{3}{40}$

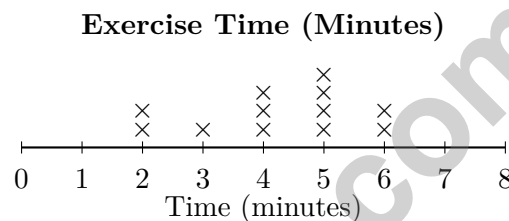
- C.  $\frac{12}{100}$   
 D.  $\frac{12}{10}$

2) What is  $47 \times 1000$ ?

- A. 47000  
 B. 4700

- C. 470  
 D. 40700

3) The line plot displays the number of minutes students exercised:



What is the most common exercise time?

- A. 4 minutes  
 B. 7 minutes

- C. 6 minutes  
 D. 5 minutes

4) The area model below represents  $2\frac{1}{2} \times 1\frac{1}{3}$  by breaking both mixed numbers into parts.

	2	$\frac{1}{2}$
1	$2 \times 1$	$\frac{1}{2} \times 1$
$\frac{1}{3}$	$2 \times \frac{1}{3}$	$\frac{1}{2} \times \frac{1}{3}$

$2\frac{1}{2}$  wide  $\times$   $1\frac{1}{3}$  tall

What is the total area?

- A.  $3\frac{1}{2}$   
 B.  $3\frac{1}{3}$

- C.  $3\frac{1}{6}$   
 D. 4



## 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

### 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



1) Compare  $\frac{3}{2} \times 18$  to 18. Which is true?

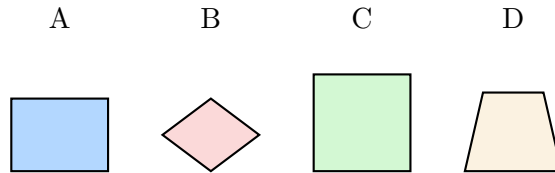
A.  $\frac{3}{2} \times 18 < 18$

B.  $\frac{3}{2} \times 18 = 18$

C.  $\frac{3}{2} \times 18 > 18$

D. Cannot be determined

2) Which shape is both a rectangle AND a rhombus?



A. Rectangle only

B. Rhombus only

C. Square

D. Trapezoid

3) Find the difference:  $8\frac{2}{3} - 4\frac{1}{6}$ .

*Record your answer in the space provided.*

4) A triangle has sides of 8 cm, 8 cm, and 8 cm. Each angle is less than  $90^\circ$ . How should the triangle be classified by its sides and by its angles?

A. Equilateral acute

B. Isosceles right

C. Scalene acute

D. Equilateral 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 Mississippi scores.**

Testinar.com



## Practice Test Answers and Explanations

### Practice Test 1 Answers and Explanations

- 1) **Choice B is correct.** **(5.NBT.4)** The hundredths digit is 4. The thousandths digit is 4. Since  $4 < 5$ , keep hundredths as 4. So \$5.944 rounds to \$5.94.
- 2) **Choice A is correct.** **(5.NBT.4)** All four sides are equal:  $5 - 1 = 4$  units. All four angles are right angles. This is a square.
- 3) **Choice C is correct.** **(5.OA.1)** Start with the part in parentheses:  $4 + 5 = 9$ . Now multiply the result by 2:  $9 \times 2 = 18$ . Nice careful grouping gives answer C.
- 4) **The correct answer is 18 cubic units.** **(5.OA.1)** The prism has  $3 \times 3 = 9$  cubes in each layer and 2 layers. That gives  $9 \times 2 = 18$  cubic units.
- 5) **Choice B is correct.** **(5.MD.3b)** The digit 8 is in the hundredths place (third column from the left, or second position after the decimal point).
- 6) **Choice C is correct.** **(5.G.3)** The two top angles, angles 3 and 4, are wider than right angles, so they are obtuse. The two bottom angles are smaller than right angles.
- 7) **Choice D is correct.** **(5.NF.4)** Two rows of  $\frac{3}{8}$  each:  $2 \times \frac{3}{8} = \frac{6}{8} = \frac{3}{4}$  (simplified).
- 8) **Choice C is correct.** **(5.NBT.7)**  $0.3 \times 0.7$ : Multiply  $3 \times 7 = 21$ . Both factors have 1 decimal place each, so total is  $1 + 1 = 2$  places: 0.21, not 2.1.
- 9) **Choice D is correct.** **(5.NBT.1)** In 1.482, the digit 2 is in the thousandths place, which is the smallest (rightmost) place value. (Ones > tenths > hundredths > thousandths.)
- 10) **The correct answer is 6480.** **(5.NBT.1)**  $30 \times 18 \times 12 = 6,480 \text{ in}^3$ .
- 11) **Choice B is correct.** **(5.MD.5a)**  $\frac{2}{3} = \frac{2 \times 4}{3 \times 4} = \frac{8}{12}$  is correct. The other options are all false.
- 12) **Choice A is correct.** **(5.NF.7c)** Start with one unit fraction,  $\frac{1}{7}$ , and share it into 4 equal parts. Each part is  $\frac{1}{7} \div 4 = \frac{1}{28}$  of the whole.
- 13) **Choice B is correct.** **(5.NF.2)** A is close to  $\frac{1}{2}$ , B equals  $\frac{1}{2}$ , C is about 0.4, and D is about 0.41. B is exact, so it is the closest.
- 14) **Choice B is correct.** **(5.OA.2)** The words “sum of 15 and 6” make one grouped total,  $(15 + 6)$ . One-third of that total means divide it by 3.
- 15) **Choice C is correct.** **(5.MD.5c)** A composite solid has more than one part. Maya found one prism correctly, but she still needs the other non-overlapping volume.
- 16) **Choice C is correct.** **(5.NF.2)**  $\frac{3}{5} + \frac{1}{5} = \frac{4}{5}$  mile. Add numerators when denominators match.
- 17) **Choice A is correct.** **(5.NF.2)** Common denominator is 8:  $13\frac{6}{8} - 6\frac{5}{8} = 7\frac{1}{8}$  ft.
- 18) **Choice D is correct.** **(5.NBT.7)** Add:  $\$3.45 + \$2.28 = \$5.73$  (hundredths:  $5 + 8 = 13$ , regroup; tenths:  $4 + 2 + 1 = 7$ ; dollars:  $3 + 2 = 5$ ).
- 19) **Choice A is correct.** **(5.NBT.7)**  $\text{LCM}(6,4) = 12$ .  $\frac{1}{6} = \frac{2}{12}$  and  $\frac{1}{4} = \frac{3}{12}$ .  $\frac{2}{12} + \frac{3}{12} = \frac{5}{12}$ .
- 20) **Choice A is correct.** **(5.NF.1)**  $5 \times 1 \times 2 = 10$  unit cubes fit inside the container.
- 21) **Choices A, B are correct.** **(5.NF.7c)** Dividing by a unit fraction counts how many unit-fraction pieces fit. Choices A and B both make 12; C makes 6 and D makes 8.
- 22) **Choice C is correct.** **(5.NBT.2)** There are three factors of 100. Each one contributes two zeros, so the product has six zeros: 1,000,000.
- 23) **Choice B is correct.** **(5.NBT.2)** Multiplying by a factor less than 1 makes a positive quantity smaller. Since  $\frac{3}{4} < 1$ , the new length is less than the original.
- 24) **Choice B is correct.** **(5.MD.2)** City A total is  $(0 \times 2) + (1 \times 3) + (2 \times 1) + (3 \times 1) = 8$  inches. City B total is  $(0 \times 1) + (1 \times 1) + (2 \times 3) + (3 \times 1) = 10$  inches. The difference is  $10 - 8 = 2$  inches.
- 25) **Choice D is correct.** **(5.NBT.3b)** 0.51 is only 0.01 away from 0.5, closer than the others.
- 26) **Choice C is correct.** **(5.G.1)** A rectangle has four right angles. The fourth corner shares the x-coordinate of one corner and the y-coordinate of another: (1, 4).
- 27) **The correct answer is 5.** **(5.MD.5)** The base area is  $8 \times 5 = 40$  square meters. Since  $200 \div 40 = 5$ , the height is 5 m.



## Dear Hero of This Story,

◇ Once upon a time, there was a brave Grade 5 student who decided to take 9 practice tests. At first, the problems were tough. But the student kept showing up, kept trying, and kept learning. Slowly, the tough problems became easier. The student's confidence grew. By the time the 9<sup>th</sup> test was finished, that student had become the hero of their own math story. That student is you. ◇

★ **Storytellers know:** every great story has a hard middle. The hard middle is where the hero grows. You've lived your hard middle, and now your story is heading toward a strong ending: a confident test day. ★

### Your Hero's Toolkit

- **Brave Heart:** You face hard problems instead of running.
- **Sharp Mind:** You think carefully before you act.
- **Steady Hand:** You write neatly and check your work.
- **Kind Spirit:** You're patient with yourself when you make mistakes.

**Storyteller's tip:** when you sit down on test day, remember the hero you've become. The chapters before this moment have made you stronger. Now, write your best chapter yet.

If you'd like to share your experience or have questions, please email me at [reza@testinar.com](mailto:reza@testinar.com). I'd love to hear from you!

**Reza Nazari & Jay Daie**

Your Math Storyteller (The Best Pages Are Ahead)

# PRACTICE MORE. ACHIEVE MORE.

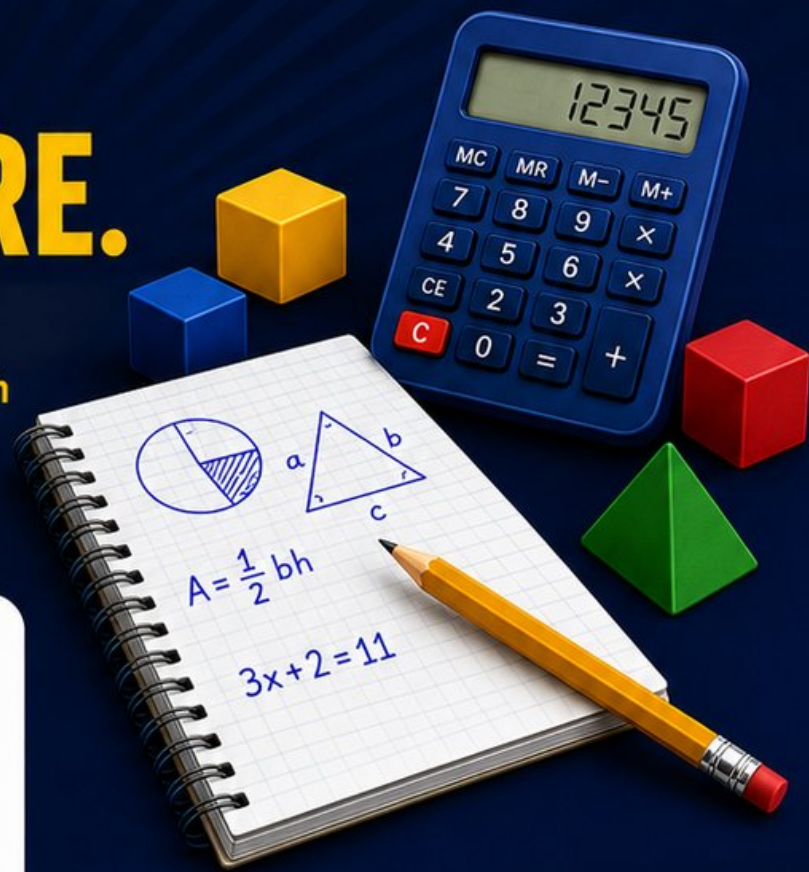
Give your child the edge they need to excel in **Grade 5 Math!** This book includes **9 full-length** practice tests designed to build confidence, sharpen skills, and improve test performance.

# 9

**FULL-LENGTH  
PRACTICE  
TESTS**

- ✓ Realistic.
- ✓ Rigorous.
- ✓ 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.



### Track Progress

Identify strengths and target areas with purposeful practice.



### Achieve Success

Better preparation leads to higher scores and bright futures.

## COVERS ALL ESSENTIAL TOPICS

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



Visit [testinar.com/math5](https://testinar.com/math5)

for more Grade 5 math resources and practice materials!



Aligned to Standards



Created by Educators



Trusted by Parents & Teachers