

4

COMPLETE

Mississippi MAAP

Grade

MATH

5

PRACTICE TESTS

Standards-Based Test Prep with
Mixed Review, Word Problems,
and **Full Answer Key**



- ✓ **4 COMPLETE PRACTICE TESTS**
Built to reflect the test format and rigor



- ✓ **COVERS ALL ESSENTIAL TOPICS**
Numbers & Operations, Fractions, Decimals, Geometry, Measurement, Data & Probability, and more



- ✓ **STRENGTHEN SKILLS & CONFIDENCE**
Mixed review, challenging questions, and strategic practice



- ✓ **FULL ANSWER KEY INCLUDED**
Detailed explanations for every question



**BUILD STRONG
MATH SKILLS
& TEST READINESS**



**IMPROVE ACCURACY,
SPEED, AND
PROBLEM SOLVING**



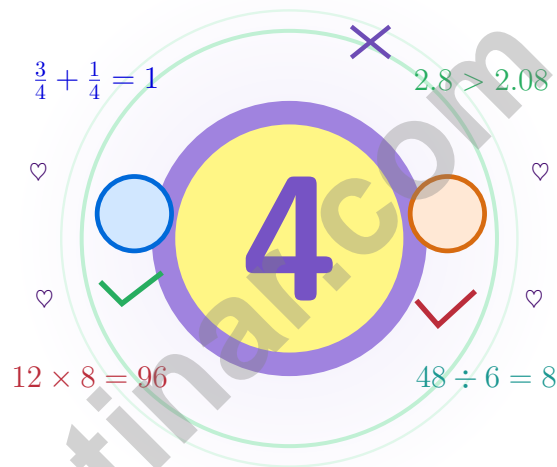
**PERFECT FOR
CLASSROOM,
HOME, OR
SELF-STUDY**



**ALIGNED TO
MISSISSIPPI
STATE STANDARDS
(MAAP)**

4 Mississippi MAAP Grade 5 Math Practice Tests

Four chances to read carefully, solve smartly, and grow stronger



Four full tests, a smart quick review, mission-style strategy pages,
and student-tested support that help Grade 5 mathematicians from
The Magnolia State build calm, careful, confident habits.

Jay Daie and Reza Nazari



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Hello, Mississippi – Four Tests, Four Wins

Four chances to grow your math mind one careful step at a time

Mississippi Grade 5: This Mission Is for You

This book gives you four chances to read closely, solve carefully, and level up your math thinking. Strong math grows like a magnolia: slowly, gracefully, with blossoms that show up after lots of patient root work.

You do not need to feel perfect before you begin. You just need to stay curious, use strategies, and learn from every correction. That is how confident mathematicians are built.

Read

Read every word and circle key numbers.

Solve

Solve cleanly so your work tells a story.

Reflect

Reflect on what worked and what wobbled.

A strong mission habit for Mississippi: keep your work neat, estimate when it helps, label units carefully, and never let one hard question decide your mood for the whole page.

Four Tests, One Routine

A four-step routine that turns practice into real improvement

Step 1: Notice

Notice the structure: warm-up, test, review, repair.

Wake up the big Grade 5 ideas before the test starts so your brain is already warmed up.

Step 2: Practice

Practice one full test in quiet conditions.

Find a calm corner, settle in, and aim for careful, honest choices before quick ones.

Step 3: Honest Check

Check honestly without rushing.

Circle missed questions, sort out what went sideways, and notice which skills are calling for attention.

Step 4: Polish

Polish the rough spots before test number two.

Read the explanation, fix the work, and carry that lesson into the very next test.

A Four-Week Mississippi Mission Map

Week	Mission Focus
Week 1	Take Test 1 like a slow river morning – patient, careful, watching.
Week 2	Take Test 2 and aim attention at word problems and clear writing.
Week 3	Take Test 3 to polish fractions, decimals, and conversions.
Week 4	Take Test 4 with calm, careful focus.



Scan me

Test-Style Practice

What these four practice tests help Grade 5 students build

These three practice tests prepare Grade 5 students in the Magnolia State for the Mississippi MAAP with the gentle focus of a porch-shade afternoon. The goal is bigger than collecting right answers. Students are practicing how to read carefully, choose a strategy, solve step by step, and explain their reasoning clearly – the same way mathematicians do every day.

Selected-Response Questions

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

Constructed-Response Questions

Students show steps, explain a method, or support an answer with clear math. Strong reasoning matters because it shows how the answer was found.

Grade 5 Ideas That Show Up Again and Again

- place value, comparing numbers, and rounding
- multi-digit addition, subtraction, multiplication, and division
- fractions, mixed numbers, and decimals
- perimeter, area, volume, and measurement conversions
- tables, line plots, patterns, and coordinate points
- geometry and multi-step real-world problem solving

What strong MAAP-style work looks like: accurate math, readable steps, the right labels or units, and a final answer that really matches the question being asked.



Table of Contents

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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)

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CAPACITY

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WEIGHT AND MASS

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- 1) A composite stage platform is made from two non-overlapping rectangular prisms. Prism A is 4 centimeters long, 2 centimeters wide, and 2 centimeters tall. Prism B is 3 centimeters long, 3 centimeters wide, and 1 centimeter tall. What is the total volume?

- A. 25 cubic centimeters C. 9 cubic centimeters
 B. 16 cubic centimeters D. 33 cubic centimeters

- 2) Write a division equation for: 5 cups of juice poured into $\frac{1}{4}$ -cup servings.

Record your answer in the space provided.

- 3) The arrow diagram shows a relationship between two numbers. What is the missing number?



- A. 0.008 C. 8
 B. 80 D. 0.8
- 4) A class project uses string. They have 12.5 meters, 8.75 meters, and 6.25 meters of string. What is the total length?

$$\begin{array}{r} \underline{12.5 \text{ m}} \\ 8.75 \text{ m} \\ \underline{6.25 \text{ m}} \end{array}$$

- A. 27.5 meters C. 25.5 meters
 B. 26.5 meters D. 28.5 meters

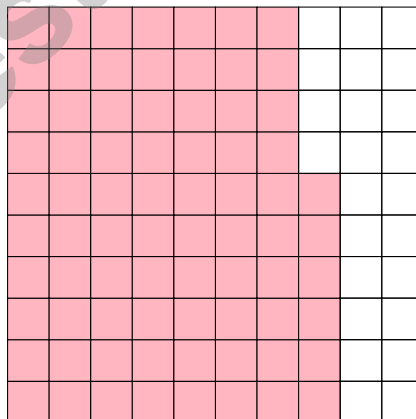


5)

Student	Method for 21×13	Answer
Riley	$(20 + 1) \times 13$	273
Jamal	$21 \times (10 + 3)$	273
Piper	Area model with 4 parts	260

Which student or students found the correct answer to 21×13 ?

- A. Only Riley
 - B. Only Jamal
 - C. Riley and Jamal
 - D. Only Piper
- 6) Add: $3.45 + 1.39 = ?$
- A. 4.83
 - B. 4.84
 - C. 4.85
 - D. 4.86
- 7) A storage box measures 7 inches long, 3 inches wide, and 2 inches tall. What is its volume?
- A. 21 cubic inches
 - B. 42 cubic inches
 - C. 14 cubic inches
 - D. 6 cubic inches
- 8) What decimal is represented by the shaded grid?



- A. 0.67
- B. 0.76
- C. 7.6
- D. 76



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1) Estimate $1,456 \div 48$ using rounding:

A. $1,500 \div 50 = 30$

C. $1,500 \div 50 = 40$

B. $1,400 \div 40 = 35$

D. $1,400 \div 50 = 28$

2) A pattern starts at 7 and adds 4 each step. What is the 5th term? Explain how you found it.

Record your answer in the space provided.

3) A gift box: length 12 cm, width 8 cm, height 5 cm. Volume = ?

A. 480 cm^3

C. 96 cm^3

B. 25 cm^3

D. 60 cm^3

4) Without calculating, compare: 2.5×8 2.5×8.5

A. $>$

C. $=$

B. $<$

D. Cannot tell

5) A library patron checks out $\frac{3}{8}$ of a bookshelf worth of books and returns $\frac{1}{8}$. How much is still checked out?

A. $\frac{1}{8}$

C. $\frac{3}{8}$

B. $\frac{2}{8}$

D. $\frac{4}{8}$



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1) A garden border uses 6 pieces of trim, each $\frac{3}{4}$ meter long. What is the total length of trim?

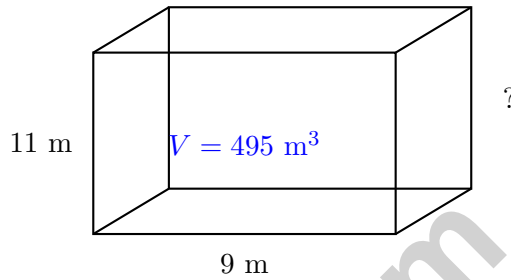
A. $\frac{3}{24}$ meter

B. 2 meters

C. $4\frac{1}{2}$ meters

D. 6 meters

2) What is the missing dimension of this rectangular prism?



A. 3 m

B. 4 m

C. 5 m

D. 6 m

3) Which measurement is shown on the ruler?



A. $2\frac{1}{2}$ inches

B. 2 inches

C. 3 inches

D. $2\frac{1}{4}$ inches



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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.

Testinar.com



Practice Test Answers and Explanations

Practice Test 1 Answers and Explanations

- Choice A is correct.** **(5.MD.5c)** Find each part first: Prism A is $4 \times 2 \times 2 = 16$ cubic centimeters, and Prism B is $3 \times 3 \times 1 = 9$ cubic centimeters. Because the parts do not overlap, add them: $16 + 9 = 25$ cubic centimeters.
- The correct answer is $5 \div \frac{1}{4} = n$.** **(5.NF.7c)** The total is 5 cups and each serving is one fourth cup, so divide total by serving size.
- Choice D is correct.** **(5.NBT.1)** $0.08 \times 10 = 0.8$. Multiplying by 10 moves the decimal point one place to the right.
- Choice A is correct.** **(5.MD.5)** Add: $12.5 + 8.75 + 6.25 = 27.5$ meters.
- Choice C is correct.** **(5.NBT.5)** $21 \times 13 = (20 + 1) \times 13 = (20 \times 13) + (1 \times 13) = 260 + 13 = 273$ (Riley). Also, $21 \times 13 = 21 \times (10 + 3) = (21 \times 10) + (21 \times 3) = 210 + 63 = 273$ (Jamal). Piper made an error; the correct answer is 273, not 260.
- Choice B is correct.** **(5.NBT.7)** Hundredths: $5 + 9 = 14$, so write 4 and regroup 1 tenth. Tenths: $4 + 3 + 1 = 8$. Ones: $3 + 1 = 4$. The sum is 4.84.
- Choice B is correct.** **(5.MD.5)** Use the rectangular-prism volume formula: $7 \times 3 \times 2 = 42$. So the volume is 42 cubic inches.
- Choice B is correct.** **(5.NBT.3a)** 76 out of 100 squares shaded represents $\frac{76}{100} = 0.76$.
- Choice B is correct.** **(5.G.4)** All three side lengths are different (9 cm, 11 cm, and 7 cm), so the triangle is scalene. Side lengths tell us the side classification.
- Choice C is correct.** **(5.NF.7c)** Start with one unit fraction, $\frac{1}{4}$, and share it into 2 equal parts. Each part is $\frac{1}{4} \div 2 = \frac{1}{8}$ of the whole.
- Choice B is correct.** **(5.NBT.7)** Write 5.00 as 4 ones, 9 tenths, and 10 hundredths. Then subtract by place value: $10 - 3 = 7$ hundredths, $9 - 2 = 7$ tenths, and $4 - 1 = 3$ ones. So $5.00 - 1.23 = 3.77$.
- Choice D is correct.** **(5.MD.5a)** Volume = $9 \times 5 \times 4 = 45 \times 4 = 180 \text{ m}^3$.
- Choice C is correct.** **(5.NBT.2)** Multiplying by 100 makes the number 100 times as large. Move the decimal point two places right: $4.2 \rightarrow 420$.
- Choice B is correct.** **(5.NBT.2)** Check each quotient: $3,500 \div 10 = 350$, $450 \div 100 = 4.5$, $8,600 \div 1,000 = 8.6$, and $1,200 \div 100 = 12$.
- The correct answer is =.** **(5.NBT.3b)** Trailing zero adds no value; both equal 7.2.
- Choice D is correct.** **(5.NBT.2)** A power of 10 tells how many factors of 10 to use. $5 \times 10^3 = 5 \times 1000 = 5000$. This confirms the answer.
- Choice D is correct.** **(5.MD.3b)** Base: $6 \times 6 = 36$ sq. units per layer. With 3 layers: $36 \times 3 = 108$ cubic units.
- Choice D is correct.** **(5.NF.2)** LCD of 5 and 10 is 10. $\frac{2}{5} = \frac{2 \times 2}{5 \times 2} = \frac{4}{10}$ and $\frac{3}{10}$ is already there.
- Choices A, C are correct.** **(5.OA.2)** 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.NF.5a)** The factors increase from $\frac{99}{100}$ to 1 to $1\frac{1}{100}$, so the products increase: 99, 100, 101.
- Choice A is correct.** **(5.NF.4b)** The overlap has $3 \times 4 = 12$ squares out of 60 total, so the fraction is $\frac{12}{60} = \frac{1}{5}$.
- Choice D is correct.** **(5.MD.1)** Convert 4.2 km to meters: $4.2 \times 1000 = 4200$ m. Divide: $4200 \div 1000 = 4.2$, so 4 complete pieces.
- The correct answer is $1\frac{1}{4}$.** **(5.NF.2)** $\frac{3}{4} + \frac{1}{2} = \frac{3}{4} + \frac{2}{4} = \frac{5}{4} = 1\frac{1}{4}$.
- Choice C is correct.** **(5.NF.2)** The numerator increased from 3 to 9 (multiply by 3). Multiply the denominator by 3: $5 \times 3 = 15$.
- Choice D is correct.** **(5.G.1)** The origin is the point where the x-axis and y-axis intersect, labeled as (0, 0).
- Choice D is correct.** **(5.MD.2)** There are 2 strings that are $1\frac{1}{4}$ feet long, so the total is $1\frac{1}{4} + 1\frac{1}{4} = 2\frac{1}{2}$ feet.
- Choice A is correct.** **(5.NBT.2)** $4200 \div 100 = 42$ cartons. Work backward from the product to find the missing factor.
- Choice D is correct.** **(5.G.2)** Both points have the same x-coordinate (2), so the distance is calculated using the y-coordinates: $8 - 4 = 4$ blocks.
- Choice B is correct.** **(5.G.2)** Use the rule on each input. $1 + 10 = 11$, $2 + 10 = 12$, and $3 + 10 = 13$, so the outputs are 11, 12, 13.



Captain's Log—Voyage Complete

First Mate, Well Done!

◇ You sailed through 4 practice tests with steady hands and a sharp eye. The waters got rough sometimes, but you kept your course. That's what good sailors do. Now the harbor (test day) is in sight, and you are ready to dock with confidence. ◇

★ **Captain's wisdom:** a good sailor doesn't fight the wind—they read it and adjust. On a test, the same thing is true. When a problem feels tricky, don't panic. Read it again. Try a new strategy. Adjust the sails of your thinking. ★

Captain's Skills Inventory

- **Steady Steering:** EXCELLENT! You stay on course even when problems get tough.
- **Wind Reading:** STRONG! You can spot what a problem is really asking.
- **Crew Spirit:** HIGH! You believe in your own ability.
- **Harbor Approach:** READY! You know how to finish a test calmly.

Final captain's note: the best voyages combine planning with courage. You have both. Trust the chart you built through these 4 tests. Trust your hands on the wheel. Then sail confidently into test day.

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

Reza Nazari & Jay Daie

Your Math Captain (Smooth Sailing Ahead)

4 COMPLETE TESTS. CONFIDENCE. SUCCESS.



Give your child the practice and confidence they need to excel in **Grade 5 Math**. This book includes **4 full-length** practice tests designed to build skills, improve test readiness, and help students reach their full potential.

WHAT'S INSIDE:



4 COMPLETE PRACTICE TESTS

Full-length tests that reflect real test format and rigor.



COVERS ALL GRADE 5 TOPICS

Numbers & Operations, Fractions, Decimals, Geometry, Measurement, Data & Probability, and more.



MIXED REVIEW & WORD PROBLEMS

Build problem-solving skills with mixed review questions and real-world word problems.



DETAILED ANSWER KEY

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



BUILD CONFIDENCE & IMPROVE SCORES

Practice consistently, reduce test anxiety, and achieve your best score!



PRACTICE SMART. LEARN MORE. ACHIEVE YOUR BEST.



Strengthen
Math Skills



Improve
Accuracy
& Speed



Master
Essential
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Confidence
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