

# 9

# Mississippi MAAP

## GRADE 4

# MATH

## PRACTICE TESTS

Standards-Aligned Review with  
Mixed Practice and Answer Key



**9 FULL-LENGTH  
PRACTICE TESTS**



**STANDARDS-ALIGNED  
REVIEW**



**MIXED PRACTICE  
BUILD SKILLS & CONFIDENCE**



**ANSWER KEY  
FOR ALL TESTS**



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



$$725 - 358 = 367$$

PREPARE  
**PRACTICE**  
SUCCEED  
PERFORM

**PRACTICE TODAY.  
SUCCEED TOMORROW.**

# 9 Mississippi MAAP Grade 4 Math Practice Tests

*Standards-Aligned Review with Mixed Practice and Answer Key*



Nine complete 30-question Grade 4 practice rounds for MAAP, built around river stories, magnolia shade, and careful step writing, with answer keys and clear explanations for every item.

**Jay Daie and Reza Nazari**



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# Welcome, Mississippi Math Explorer!

Nine steady rounds on the Magnolia State math route

This book gives you nine full Grade 4 practice tests for MAAP. Each round uses river stories, magnolia shade, and careful step writing to keep practice memorable while you read carefully, choose a strategy, show work, and check the answer.

## Mississippi Practice Promise

I will slow down for the question, circle what matters, solve one step at a time, and use mistakes as clues for getting stronger.

Read

Plan

Check

## How to Use This Book

A ten-session routine for Mississippi MAAP review

1. **Preview the skills.** Read the quick review pages before the first test.
2. **Take one test at a time.** Treat each round like a stop on the Magnolia State math route.
3. **Mark your confidence.** Put a small star beside problems you solved with a strong plan.
4. **Check, then retry.** For missed questions, try the problem again before reading the explanation.
5. **Track your next move.** Use the growth log to name one habit and one skill for the next test.

**Good rhythm:** Test one day, correct carefully the next day, then return for the next round when your corrections feel clear.



## What Is Inside?

Nine tests, 270 questions, and a full MAAP review path

Part	What You Will Practice
Tests 1–3	Warm-up rounds for reading carefully, choosing operations, and using models.
Tests 4–6	Skill-building rounds with fractions, measurement, area, data, and two-step problems.
Tests 7–9	Stamina rounds for mixed review, neat work, and flexible strategies.
Answer Pages	Compact keys and explanations that show why each answer works.

The tests are mixed on purpose. Real test readiness means recognizing the skill even when the next question changes topic.



Scan me!  
For more practice  
& answers

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5) What is  $7 \times \frac{1}{5}$  as a mixed number?

A.  $\frac{1}{35}$

B.  $\frac{7}{1}$

C.  $2\frac{2}{5}$

D.  $\frac{7}{5}$  or  $1\frac{2}{5}$

6) A farmer has two fields. Field A is 0.83 km wide and Field B is 0.38 km wide. Which field is wider?

7) What is the next number in the sequence? 3, 6, 12, 24, 48, \_\_\_

8) What is 9,345 rounded to the nearest hundred?

A. 9,000

B. 9,350

C. 9,400

D. 9,300

9) Find  $\frac{3}{4} + \frac{2}{4}$  as a mixed number.





1) What is  $1\frac{2}{6} + 2\frac{5}{6}$ ?

A.  $3\frac{5}{6}$

B.  $4\frac{1}{6}$

C.  $3\frac{6}{6}$

D. 4

2) Noah buys 3 bottles of water, each containing 500 milliliters. How many milliliters of water does he buy in total?

A. 500 mL

B. 1,000 mL

C. 1,500 mL

D. 2,000 mL

3) What rule describes this pattern? 12, 18, 24, 30, 36, ...

 A. Add 12 B. Add 8 C. Multiply by 2 D. Add 6 (multiples of 6)

4) Zoe drinks  $\frac{2}{5}$  liter each day for 5 days. How many liters total?

5) A juice jug contains 2 liters. How many milliliters is this?



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For more practice  
& answers

6) A rectangle has a width of 6 feet. The area is 54 square feet. What is the length?

A. 8 ft

C. 10 ft

B. 9 ft

D. 12 ft

7)  $\frac{8}{12} = \frac{5}{12} + \underline{\hspace{1cm}}$ . The missing fraction is:

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

C.  $\frac{3}{12}$

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

D.  $\frac{4}{12}$

8) Which statement is true?

A.  $0.6 > 0.68$

C.  $0.6 = 0.68$

B.  $0.6 < 0.68$

D. 0.68 is smaller than 0.6

9) Three equal angles fit perfectly around a full circle, with none left over. What is the measure of each angle?

A.  $90^\circ$

C.  $135^\circ$

B.  $120^\circ$

D.  $180^\circ$

10) Subtract:  $88,765 - 44,321 = ?$

A. 44,444

C. 44,234

B. 45,444

D. 43,444

11) What is  $31 \times 21$ ?

A. 651

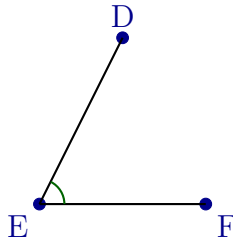
C. 551

B. 341

D. 52



1) Look at the diagram with points  $D$ ,  $E$ , and  $F$ :



Using three letters, which is another correct name for this angle?

- A. Angle  $FED$                        C. Angle  $EFD$   
 B. Angle  $DFE$                        D. Angle  $E$

2) The rule is “add 7.” If the first term is 5, what is the third term?

- A. 12                                       C. 22  
 B. 26                                       D. 19

3) A bookcase shelf is  $\frac{3}{10}$  meter wide. What is the width of 4 shelves placed side by side?

- A.  $\frac{3}{40}$  meter                               C.  $\frac{4}{10}$  meter  
 B.  $\frac{12}{10}$  meters (or  $1\frac{1}{5}$  meters)       D.  $\frac{12}{40}$  meter

4) How many unit fractions of  $\frac{1}{9}$  make  $\frac{5}{9}$ ?



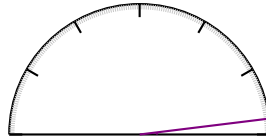
5) What is  $5\frac{3}{10} - 2\frac{7}{10}$ ?

A.  $2\frac{4}{10}$

B.  $2\frac{5}{10}$

C.  $2\frac{6}{10}$

D.  $3\frac{2}{10}$



6)

A student said this angle measures 173 degrees. Is she correct?

 A. Yes, the angle is close to 180 degrees

 B. No, the angle is much smaller, around 7 degrees

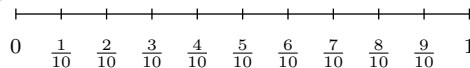
 C. Yes, all small angles are close to 180 degrees

 D. No, you cannot measure angles smaller than 30 degrees

7) What symbol makes this true?  $0.38$  \_\_\_\_\_  $0.37$

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

8) On a number line below, mark the position you reach after making 8 jumps of  $\frac{1}{10}$  from 0.


 A.  $\frac{1}{10}$ 
 B.  $\frac{8}{10}$ 
 C.  $\frac{9}{10}$ 
 D. 1


Scan me!  
For more practice  
& answers

## Practice Test Answer Keys

**How to use this section with a Grade 4 student:**

1. check the answer first
2. mark questions to try again
3. rework the problem before reading the full explanation

**A calm correction routine turns every missed item into useful practice.**

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## Practice Test Answers and Explanations

### Practice Test 1 Answers and Explanations

- Choice A is correct.** (4.NBT.4) Subtract from 50,000 using regrouping. The answer is **26,544**.
- Choice B is correct.** (4.NF.3) The flower bed has two types of flowers. Add the parts with like denominators:  $\frac{8}{12} + \frac{3}{12} = \frac{11}{12}$  of the flower bed was planted.
- Choice D is correct.** (4.OA.2) The bar model shows the friend's bar split into 3 equal pieces, each the size of Elena's 2 books. So we multiply:  $3 \times 2 = 6$  books.
- Choice D is correct.** (4.OA.3) Two separate questions in one—both use multiplication! Step 1: total weight = 3 bags  $\times$  16 ounces = 48 ounces. Step 2: total money = 3 bags  $\times$  \$4 = \$12. So the answer must include both pieces: 48 ounces and \$12.
- Choice D is correct.** (4.NF.4) We take 7 copies of  $\frac{1}{5}$ . Multiply:  $7 \times \frac{1}{5} = \frac{7 \times 1}{5} = \frac{7}{5} = 1\frac{2}{5}$ . The answer is **1 $\frac{2}{5}$** .
- The correct answer is Field A.** (4.NF.5) Compare tenths first (they outweigh hundredths). Field A has 8 tenths; Field B has 3 tenths. Since  $8 > 3$ ,  $0.83 > 0.38$ , so Field A is wider.  $\checkmark$
- The correct answer is 96.** (4.OA.4) Double each term: 3, 6, 12, 24, 48, **96**. The next term is **96**.
- Choice D is correct.** (4.NBT.3) We're rounding to the nearest hundred. Look at the tens digit: 4. Since  $4 < 5$ , we round DOWN. The hundreds digit stays at 3, so the answer is **9,300**.  $\checkmark$
- The correct answer is  $1\frac{1}{4}$ .** (4.NF.3) Add fourths:  $3 + 2 = 5$  fourths. That's  $\frac{5}{4}$ , which is more than one whole, so it equals  **$1\frac{1}{4}$** .
- Choice C is correct.** (4.MD.3) From  $88 = \ell \times 8$ : Divide to get  $\ell = 88 \div 8 = 11$  m.
- Choice D is correct.** (4.NBT.5) Split and calculate:  $18 \times (10 + 6) = 180 + 108 = \mathbf{288}$  square units.
- Choice D is correct.** (4.NBT.2) Thousands: 423, ones: 51. Combined:  $423,000 + 51 = 423,051$   $\checkmark$
- Choice C is correct.** (4.G.3) The letter A looks the same on both sides of a vertical line running down its middle. Fold it along that line and both sides match perfectly! The answer is letter **A**.
- Choice A is correct.** (4.NF.3) Look at the bar—the light blue section is  $\frac{2}{6}$  and the dark blue is  $\frac{3}{6}$ . Add them:  $2 + 3 = 5$ , so  $\frac{2}{6} + \frac{3}{6} = \frac{5}{6}$ .  $\checkmark$
- Choice B is correct.** (4.NF.4) Five pencils, each  $\frac{2}{5}$  decimeter long, give us  $5 \times \frac{2}{5} = \frac{10}{5} = 2$  decimeters total.
- The correct answer is A, C.** (4.MD.5) Statement A is correct: **72** one-degree angles measure **72°**. Statement C is correct: a full circle measures **360°** with **360** one-degree angles. Statement B is wrong (straight angle is 180°). Statement D is wrong (30 one-degree angles is 30°, not 60°). Statement E is wrong (right angle is 90°, not 45°).
- Choice D is correct.** (4.OA.1) "2 times as many" is a multiplication signal. Max bakes 2 groups of Mia's 8 cookies:  $8 \times 2 = 16$  cookies.
- Choice C is correct.** (4.MD.1) Since 1 gallon = 4 quarts, multiply:  $20 \times 4 = 80$  quarts. The answer is **80** quarts.
- Choice C is correct.** (4.OA.4) List the even numbers from 20 through 30: 20, 22, 24, 26, 28, 30. Count them: **6** numbers. (Even numbers are exactly the ones divisible by 2.)
- Choice B is correct.** (4.NF.5) Tenths fill the first decimal place.  $\frac{6}{10} = 0.6$ , so the answer is **0.6**.
- Choice B is correct.** (4.NF.3) Subtract the wholes:  $3 - 1 = 2$ . Subtract the fractions:  $\frac{4}{5} - \frac{2}{5} = \frac{2}{5}$ . The difference is  **$2\frac{2}{5}$** .
- Choice C is correct.** (4.NF.3) Let's count the unit fractions:  $\frac{1}{10}$  appears 8 times. The denominator stays 10, and the numerator is the count:  $\frac{8}{10}$ .
- Choice B is correct.** (4.MD.6) The vertex is the point where the two rays of an angle meet. This point must be placed at the center point (the small dot or mark) of your protractor so that all measurements are accurate. The answer is the center point.
- Choice B is correct.** (4.NF.5) The bar is split into 10 equal sections with 5 shaded. This represents  $\frac{5}{10}$ .
- Choice A is correct.** (4.G.1) Points J, K, and L all sit on the same straight horizontal line, making them collinear. Point M stands off to the side, so it's not part of this collinear group.
- Choice B is correct.** (4.NF.4) Counting the tick marks: the 4th tick is at  $4 \times \frac{1}{3} = \frac{4}{3}$ .



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Lab Notes for a Young Scientist

## Hi, Curious Scientist!

◇ 9 tests. So many experiments! You tested ideas. You watched what worked. You learned a lot. That's how scientists work—and how you work! ◇

★ **Scientists know:** mistakes are facts, not failures. Every problem you missed taught you something. You used those facts to do better next time. ★

### Lab Results

- **Hypothesis:** CONFIRMED! Practice makes you better.
- **Method:** STRONG! You try, watch, and adjust.
- **Data:** CAREFUL! You read and copy numbers right.
- **Conclusion:** READY! You can do this test.

**Scientist tip:** on test day, stay curious. Ask, "What is this asking?" Then experiment with your math tools. You will find the answer!

If you want to share something or ask a question, please email me at [jay@testinar.com](mailto:jay@testinar.com).

**Jay Daie**

Your Math Scientist

# PRACTICE TODAY. ACHIEVE TOMORROW!

This **Grade 4 Math Practice Tests** book is designed to help students strengthen essential math skills, build confidence, and develop the problem-solving abilities needed for classroom success and test readiness.

With 9 full-length practice tests, students gain repeated exposure to important Grade 4 concepts while learning how to approach questions with accuracy, confidence, and strong mathematical thinking.

Whether used at home, in the classroom, or for independent review, this book provides meaningful practice that helps students grow stronger with every test.

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- ✓ Test Preparation
- ✓ Skill Reinforcement

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SUCCESS FOR LIFE.

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### Better Problem Solving

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- ✓ Multiplication & Division
- ✓ Fractions & Equivalent Fractions
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- ✓ Measurement & Data
- ✓ Perimeter & Area
- ✓ Word Problems
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