

# 8

# Mississippi

# MAAP

## GRADE 3

# MATH

## PRACTICE TESTS

Standards-Aligned Review with  
Mixed Practice and Answer Key



8 Full-Length  
Practice Tests



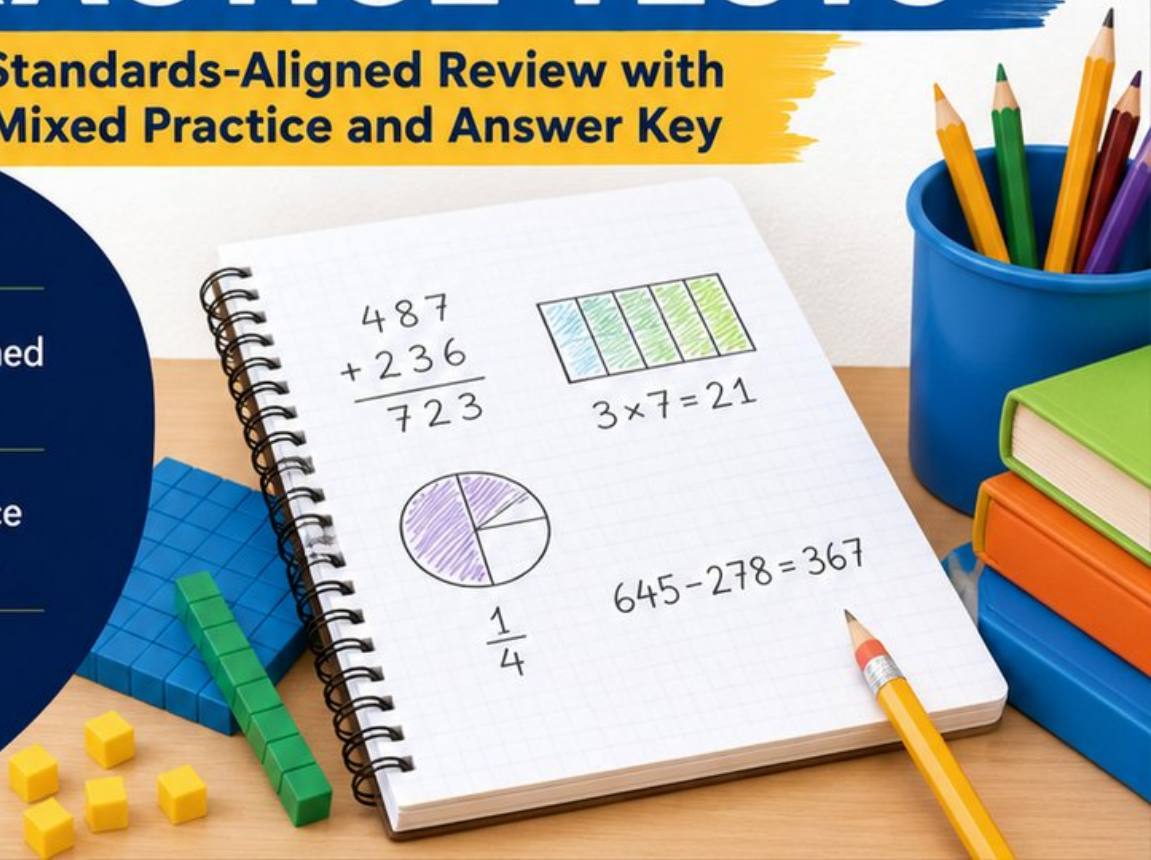
Standards-Aligned  
Questions



Build Confidence  
and Math Skills



Answer Key  
Included



# 8 Mississippi MAAP Grade 3 Math Practice Tests

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



Eight complete 30-question practice rounds for Grade 3 math:  
operations, fractions, measurement, data, area, shapes, answer keys,  
and clear explanations for every item.

**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 ©*

# Mississippi, Your Eight-Test Math Path Begins

Eight focused rounds, one stronger Grade 3 problem solver

This book gives you eight full chances to practice like a careful test taker for the Mississippi MAAP. Each test is a new route through numbers, shapes, data, measurement, and word problems. Work slowly enough to notice what the question asks, and proudly enough to show your thinking.

Mississippi has river bends, music towns, cotton fields, Gulf breezes, and patient classroom practice, where careful steps matter. Strong math follows that same path: notice the question, choose a tool, show the work, and listen for what the question is really asking.

## Your Mississippi Math Promise

I will read the whole question, choose a smart strategy, write clear work, and check whether my answer makes sense.

**Eight rounds. Thirty questions each. One careful step at a time.**

# How to Use This Book

## A simple eight-round routine for confident review

Use this Mississippi book as a practice plan, not a race. Finish one test, review it, fix a few problems, then carry one better habit into the next test.

1. **Preview the reference page.** Notice units, time, and measurement facts before you begin.
2. **Take one full test.** Circle anything that feels tricky so you can return to it.
3. **Check the answer key.** Mark correct answers and questions to try again.
4. **Read explanations.** Study missed items and lucky guesses first.
5. **Redo three problems.** Write fresh work without copying the explanation.
6. **Name one habit.** Pick a focus such as labels, facts, fractions, or neat work.
7. **Try the next test.** Bring that habit forward.
8. **Finish with a final check.** Look for growth across all eight tests.

**Best review habit:** In Mississippi, strong practice means slowing down enough to see the clue. When an answer is wrong, ask, “What step would I change next time?”



# What Is Inside the Eight Tests?

## Mixed Grade 3 math practice for the MAAP

Each practice test has 30 questions. You will see multiple-choice questions, select-all questions, and open-ended questions with workspace. The mix helps students practice both choosing an answer and explaining a short mathematical result.

Part	What to Expect
Eight full tests	30 mixed Grade 3 questions in each round
Math topics	multiplication, division, place value, fractions, time, measurement, data, area, perimeter, and shapes
Answer keys	compact answer boxes for quick checking
Explanations	short reasoning for every item so mistakes become useful review
Progress pages	places to record scores, habits, and next-step goals

**Mississippi focus:** The practice path starts with river bends, music towns, cotton fields, Gulf breezes, and patient classroom practice. Strong math uses the same idea: know the path, follow the clues, and check the final answer.



Scan me!  
For more practice  
& answers

# Table of Contents

★ Practice Test 1	_____	16
★ Practice Test 2	_____	29
★ Practice Test 3	_____	41
★ Practice Test 4	_____	53
★ Practice Test 5	_____	65
★ Practice Test 6	_____	77
★ Practice Test 7	_____	90
★ Practice Test 8	_____	103
<b>Practice Test Answer Keys</b>	_____	<b>114</b>
<b>Practice Test Answers and Explanations</b>	_____	<b>119</b>

1) If  $5 \times 70 = 350$ , what is  $70 \times 5$ ? Why?

- A. 350; the order doesn't matter in multiplication (commutative property).
- B. 75; we add the two numbers.
- C. 3500;  $70 \times 5$  is bigger than  $5 \times 70$ .
- D. 350; but for a different reason—we add a zero because of the 0 in 70.

2) A square has a side length of 5 cm. What is the area of the square?

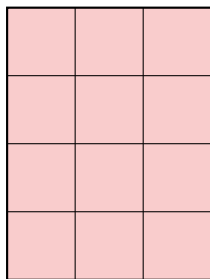
- A.  $20 \text{ cm}^2$
- B.  $10 \text{ cm}^2$
- C.  $30 \text{ cm}^2$
- D.  $25 \text{ cm}^2$

3) A picture graph shows stickers. Each heart represents 2 stickers. Mia had 8 hearts, then gave away 3 hearts. How many stickers does Mia have now?

- A. 5 stickers
- B. 10 stickers
- C. 16 stickers
- D. 11 stickers

4) A school has 72 students going on a field trip. They are divided equally into 8 buses. Then 6 more students join one bus. How many students are on that bus now?

- A. 9
- B. 10
- C. 15
- D. 24



5)

Count all the unit squares in the grid shown. How many are there?

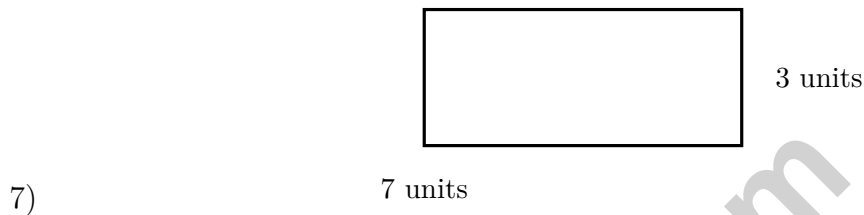
- A. 10 unit squares
- B. 11 unit squares
- C. 12 unit squares
- D. 13 unit squares





The bars show two fractions. Are they equal?

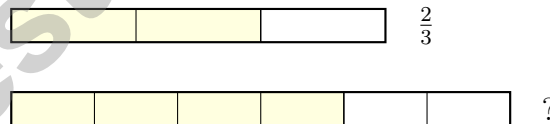
- A. Yes, they are equal                       C. No,  $\frac{3}{3}$  is larger  
 B. No,  $\frac{2}{2}$  is larger                          D. Cannot tell



The rectangle has 7 rows of 3 unit squares. Using repeated addition, find the area:  
 $3 + 3 + 3 + 3 + 3 + 3 + 3 = ?$

- A. 10 sq units                                       C. 14 sq units  
 B. 21 sq units                                       D. 28 sq units

8) Look at the bars. Which fraction is equivalent to  $\frac{2}{3}$ ?

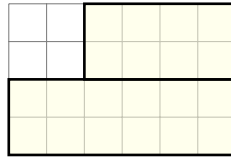


- A.  $\frac{2}{6}$      C.  $\frac{4}{6}$   
 B.  $\frac{3}{6}$      D.  $\frac{3}{4}$



Scan me!  
For more practice  
& answers

- 9) This grid shows a step-shaped figure made of unit squares. Count by breaking it into parts.



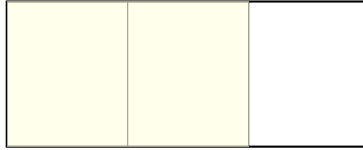
How many unit squares cover this step shape?

- A. 12 sq units                       C. 20 sq units  
 B. 16 sq units                       D. 24 sq units
- 10) If you have the number \_\_\_\_\_, and you round it to the nearest 10, you get 70. You also know the number is odd. Which number could it be?
- A. 65                                       C. 72  
 B. 68                                       D. 74
- 11)  $\frac{1}{2} = \frac{?}{4}$ . What is the missing numerator?
- A. 1     C. 3  
 B. 2     D. 4
- 12) A square has how many right angles?

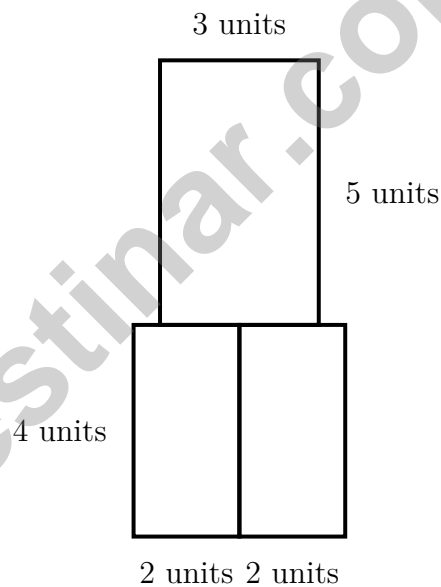




- 5) A rectangle is divided with 2 vertical lines making 3 equal columns. What fraction of the rectangle is 2 columns?



- A.  $\frac{1}{3}$ 
 C.  $\frac{3}{3}$   
 B.  $\frac{2}{3}$ 
 D.  $\frac{1}{2}$
- 6) A T-shaped banner has three parts with lengths and widths: 3 units by 5 units (top), 2 units by 4 units (bottom left), and 2 units by 4 units (bottom right). What is the total area?



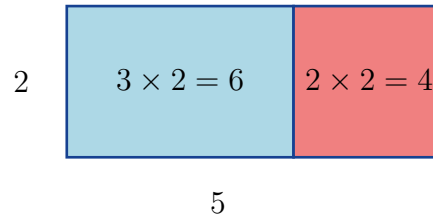
- A. 15 sq units
  C. 31 sq units  
 B. 24 sq units
  D. 120 sq units



1) A square has perimeter 32 feet. What is the length of each side?

- A. 4 ft                       C. 8 ft  
 B. 16 ft                      D. 32 ft

2) Look at this area model. Which equation does it show?



A.  $2 \times 3 = 6$                        C.  $3 \times (2 + 2) = 12$   
 B.  $5 + 2 = 7$                        D.  $2 \times (3 + 2) = 10$

3) Ben draws a rectangle on a grid. It has 4 rows of unit squares and 5 columns. What is the area?

- A. 18 sq units                       C. 9 sq units  
 B. 24 sq units                       D. 20 sq units

4) Lily has 20 stickers. She puts them in packs of 4 stickers each. How many packs can she make?

- A. 4                                       C. 16  
 B. 6                                       D. 5

5) Ben is marking  $\frac{2}{4}$  on a number line from 0 to 1. He divides it into 4 equal parts. Which tick mark should he label?

- A. The 1st tick                       C. The 3rd tick  
 B. The 4th tick                       D. The 2nd tick



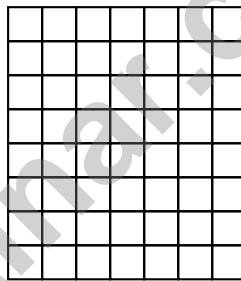
Scan me!  
For more practice  
& answers

6) A number line from 0 to 1 is divided so the first tick is at  $\frac{1}{3}$ . How many equal parts are there in total?

7) A teacher buys 5 packs of colored paper with 10 sheets each for a project. She divides them equally among 5 students. How many sheets does each student get?

- A. 5                                       C. 15  
 B. 25                                       D. 10

8) Here is a rectangle:



Count all the unit squares. Write how many unit squares cover this rectangle.

## Practice Test Answer Keys

**How to use this section with a Grade 3 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.**

Testinar.com



## Practice Test Answers and Explanations

### Practice Test 1 Answers and Explanations

- 1) **Choice A is correct.** **(3.NBT.3)**  $70 \times 5 = 350$ , the same as  $5 \times 70 = 350$ . The commutative property of multiplication says you can swap the factors and get the same product:  $5 \times 7 \times 10 = 7 \times 5 \times 10 = 350$ .
- 2) **Choice D is correct.** **(3.OA.3)** Area of a square = side  $\times$  side =  $5 \times 5 = 25 \text{ cm}^2$ .
- 3) **Choice B is correct.** **(3.MD.3)** Remaining hearts:  $8 - 3 = 5$ . Convert to stickers:  $5 \times 2 = 10$  stickers.
- 4) **Choice C is correct.** **(3.OA.8)** Step 1: Students per bus originally:  $72 \div 8 = 9$  students. Step 2: The 6 new students join one bus, so that bus has  $9 + 6 = 15$  students.
- 5) **Choice C is correct.** **(3.MD.5a)** The grid is  $3 \times 4 = 12$  unit squares.
- 6) **Choice A is correct.** **(3.NF.3d)** Both fractions equal one whole. Two halves and three thirds both fill the entire bar.
- 7) **Choice B is correct.** **(3.MD.7)** Adding the width 3 seven times:  $3 + 3 + 3 + 3 + 3 + 3 + 3 = 21$ . This is the same as  $7 \times 3 = 21$  square units.
- 8) **Choice C is correct.** **(3.NF.3)** The shaded regions match.  $\frac{2}{3}$  and  $\frac{4}{6}$  are equivalent.
- 9) **Choice C is correct.** **(3.MD.6)** Count bottom part:  $6 \times 2 = 12$  squares. Count top-right part:  $4 \times 2 = 8$  squares. Total:  $12 + 8 = 20$  unit squares.
- 10) **Choice A is correct.** **(3.NBT.1)** Numbers from 65 to 74 round to 70. Among choices, A (65) is odd and rounds to 70. B (68) is even. C (72) is even. D (74) is even.
- 11) **Choice B is correct.** **(3.NF.3b)** The denominator was multiplied by 2 (from 2 to 4). Multiply the numerator by 2:  $1 \times 2 = 2$ . So  $\frac{1}{2} = \frac{2}{4}$ .
- 12) **The correct answer is 4 right angles.** **(3.G.1)** A square has 4 right angles.
- 13) **Choice B is correct.** **(3.MD.5b)** The vertical part has 3 unit squares. The horizontal part has 2 more unit squares. Total:  $3 + 2 = 5$  unit squares cover this L-shaped figure.
- 14) **Choice B is correct.** **(3.MD.5)** The shaded region is 4 units wide and 3 units tall.  $4 \times 3 = 12$  square units.
- 15) **Choice C is correct.** **(3.OA.7)**  $9 \times 6 = 54$ . Count by 6s: 6, 12, 18, 24, 30, 36, 42, 48, 54.
- 16) **Choices B and E are correct.** **(3.OA.9)** Statement B is true because any even number contains a factor of 2, making the product even. Example:  $4 \times 3 = 12$  (even). Statement E is true because the row for 5 shows 5, 10, 15, 20, ... , increasing by 5 each time ( $5 \times 1, 5 \times 2, 5 \times 3$ , etc.). Statement A is false (odd  $\times$  odd is odd). Statement C is false (3, 6, 9, 12, ... has odd and even). Statement D is false ( $5 \times 6 = 30$  is even).
- 17) **Choice A is correct.** **(3.NF.2a)** Fewer parts mean larger individual pieces.  $\frac{1}{2} > \frac{1}{4}$ .
- 18) **Choice A is correct.** **(3.NF.1)** The rectangle is divided into 3 equal sections with 1 shaded. This is one unit fraction of  $\frac{1}{3}$  (one-third).
- 19) **Choice C is correct.** **(3.MD.1)**  $5 : 42 + 38 \text{ min} = 5 : 42 + 18 \text{ min} + 20 \text{ min} = 6 : 00 + 20 \text{ min} = 6 : 20 \text{ PM}$ .
- 20) **Choice A is correct.** **(3.MD.7c)** Height is 4, widths are 4 and 5, totaling 9. Distributive property:  $4 \times (4 + 5) = 4 \times 9 = 36$ .
- 21) **Choice C is correct.** **(3.MD.7d)** One part:  $10 \times 2 = 20$  sq units. Other part:  $4 \times 3 = 12$  sq units. Total:  $20 + 12 = 32$  sq units.
- 22) **Choice D is correct.** **(3.OA.4)** In a fact-family triangle, the top is the product. If one factor is 4 and the product is 36, then  $36 \div 4 = 9$ , so the other factor is 9.
- 23) **Choice D is correct.** **(3.OA.6)** To solve  $72 \div 8 = \square$ , find  $\square \times 8 = 72$ . The multiplication fact  $8 \times 9 = 72$  tells us the answer is 9 items per group.
- 24) **Choice B is correct.** **(3.MD.4)** The mode is 25 inches with 5 X's, which is more than any other measurement.
- 25) **Choice D is correct.** **(3.NF.3a)**  $\frac{3}{6} = \frac{1}{2}$ . Both mark the halfway point on a number line.
- 26) **The correct answer is 48.** **(3.OA.5)**  $6 \times 5 = 30$  and  $6 \times 3 = 18$ , so  $30 + 18 = 48$ .
- 27) **Choice A is correct.** **(3.NBT.2)** For  $405 - 189$ , the standard algorithm with regrouping (forming 3 hundreds 9 tens from 4 hundreds 0 tens) is most direct. Count-up (C) requires many jumps; estimation (D) loses precision; place-value (B) requires tracking three separate subtractions. The algorithm minimizes errors for this problem.
- 28) **Choice B is correct.** **(3.MD.7b)** Area = length  $\times$  width =  $10 \times 2 = 20$  square centimeters.



Scan me!  
For more practice  
& answers

A Quiet Word From Your Mentor

Hi, Thoughtful Student,

◇ I want to take a moment to tell you something true: you did excellent work. 8 practice tests is a real promise that you kept to yourself. That matters. ◇

★ **Mentors notice:** growth is quiet. It doesn't shout. But it shows up in how you handle a problem today vs how you did weeks ago. That growth is your real prize. ★

**What I See in You**

- **Hard Work:** You don't quit when problems are tough.
- **Curiosity:** You wonder why and how.
- **Kindness:** You are patient with yourself.
- **Brave Heart:** You try things that scare you.

**Mentor's note:** on test day, treat yourself like you would a friend. Be kind. Be patient. Be encouraging. The skills are inside you!

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 Mentor

# PRACTICE TODAY. MASTER TOMORROW.

This book is designed to help **Grade 3** students strengthen their math skills through focused practice and real progress.

- ✓ 8 full-length practice tests
- ✓ Aligned to Grade 3 standards
- ✓ Build confidence and achieve success



## EACH PRACTICE TEST INCLUDES:



Standards-  
Aligned  
Questions



Variety of  
Question  
Types



Real-World  
Math  
Applications



Step-by-Step  
Progress  
Tracking



Build Skills  
and Boost  
Confidence

## COVERS ALL ESSENTIAL TOPICS

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



Visit [testinar.com/math3](https://testinar.com/math3)  
for more Grade 3 math resources  
and practice materials!

## PREPARE. PRACTICE. SUCCEED.

Give your child the **confidence** to excel in math!



Aligned to  
Standards



Created by  
Educators



Designed for  
Success