

7

Mississippi

MAAP

Grade 3 MATH

PRACTICE TESTS

Standards-Aligned Practice with
Review, Answer Keys, and Explanations



7 Full-Length
Practice Tests



Standards-Aligned
Math Practice



Detailed Answer Keys
and Explanations



Build Confidence.
Achieve Success.

PREPARE
PRACTICE
SUCCEED



7 Mississippi MAAP Grade 3 Math Practice Tests

Standards-Aligned Practice with Review, Answer Keys, and Explanations



Seven complete 30-question practice trails 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

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 Seven Math Trails

Seven full tests, seven fresh chances, and one braver Grade 3 thinker



Read the trail. Mark the clues. Solve with care.

To the Grade 3 Math Trail Leader

This book gives you seven complete practice trails for the Mississippi MAAP. Each trail is a full 30-question test, so students can practice accuracy, stamina, and clear explanations over time.

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.

Scout

Find what the problem is asking before you calculate.

Solve

Pick an equation, model, array, graph, or number line.

Prove

Check the answer and explain the thinking clearly.

Seven-trail promise: I will work with patience, use my scratch space wisely, and let every correction make my next test stronger.

How to Use This Book

A seven-trail routine for steady Grade 3 growth

Use one practice trail at a time. The goal is not to rush through more pages. The goal is to finish, check, repair, and bring a stronger habit to the next test. For Mississippi students, each trail moves through river bends, music towns, cotton fields, Gulf breezes, and patient classroom practice: steady, alert, and ready for the next clue.

1. **Preview the tools.** Skim the reference page before each test.
2. **Take one test.** Work steadily and mark problems that need another look.
3. **Check the key.** Use the compact answer boxes first.
4. **Study explanations.** Read missed items and lucky guesses.
5. **Redo three problems.** Rewrite the work cleanly without copying.
6. **Name one habit.** Choose a focus such as labels, facts, fractions, or checking.
7. **Start the next trail.** Bring that habit into the next full test.

Best review habit: A missed problem is a trail marker. It shows where to slow down, look again, and choose a better step.



What Is Inside?

Seven complete practice tests with review support

Part	What You Do	Why It Helps
Practice Tests 1–7	Solve seven different 30-question tests.	Build stamina and see Grade 3 skills mixed together.
Reference Materials	Review measurement and time facts before each test.	Keep common tools close without turning pages backward.
Answer Keys	Check each answer in compact boxes.	Find mistakes quickly without losing your place.
Explanations	Read why each answer works.	Turn missed items into a clear next step.
Standards Reference	See how Mississippi Grade 3 standards connect to practice.	Understand the skills behind the questions.

Each test has 26 multiple-choice questions, 1 select-all question, and 3 open-ended questions. This gives students practice with quick decisions, careful reading, and short written math answers for the Mississippi MAAP path.



Scan me!
For more practice
& answers

Table of Contents

★ Practice Test 1	_____	14
★ Practice Test 2	_____	26
★ Practice Test 3	_____	38
★ Practice Test 4	_____	49
★ Practice Test 5	_____	61
★ Practice Test 6	_____	73
★ Practice Test 7	_____	86
Practice Test Answer Keys	_____	97
Practice Test Answers and Explanations	_____	102

6) A rectangle has a length of 10 inches and a width of 6 inches. How many square inches is this rectangle?

- A. 16 square inches C. 60 square inches
 B. 32 square inches D. 30 square inches

7) A farmer has 56 eggs. She packs them into cartons with 8 eggs in each carton. How many cartons does she fill?

- A. 48 C. 8
 B. 64 D. 7

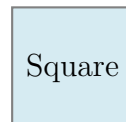
8) Which fraction is equivalent to $\frac{2}{4}$?

- A. $\frac{2}{6}$ C. $\frac{1}{2}$
 B. $\frac{3}{8}$ D. $\frac{2}{3}$

9) What is $803 - 367$?

- A. 436 C. 536
 B. 446 D. 526

10)



Which name could also describe this square?

- A. Triangle C. Rectangle
 B. Pentagon D. Trapezoid



Scan me!
For more practice
& answers

- 11) Which statement is true about the products of even and odd numbers?
- A. Even \times odd is always odd C. Even \times odd is always even
 B. Even \times even is always odd D. Odd \times odd is always even
- 12) Ava's dentist appointment is at 3 : 45 PM. She arrives 12 minutes early. What time does Ava arrive?
- A. 3 : 30 PM C. 3 : 57 PM
 B. 3 : 33 PM D. 4 : 00 PM
- 13) A sheet of paper is folded to make 2 equal halves. What unit fraction is one half?
- A. $\frac{1}{3}$ C. $\frac{1}{2}$
 B. $\frac{2}{1}$ D. $\frac{1}{1}$
- 14) A rectangle is divided into 4 equal parts. If 3 parts are shaded, what fraction of the rectangle is shaded?



- 15) Select the TWO equations that are true.
- A. $6 \times 8 = 42$
 B. $48 \div 6 = 8$
 C. $7 \times 7 = 49$
 D. $54 \div 9 = 5$
 E. $4 \times 9 = 35$



- 1) A rectangular tile is 9 unit squares long and 7 unit squares wide. How many unit squares cover it?
- A. 54 unit squares C. 72 unit squares
 B. 63 unit squares D. 90 unit squares
- 2) A line plot shows rock weights in ounces: $3, 3\frac{1}{2}, 4, 4\frac{1}{2}$. There are 4 X's at $3\frac{1}{2}$ ounces, 2 X's at 3 ounces, and 3 X's at 4 ounces. How many rocks weigh less than 4 ounces?
- A. 4 C. 6
 B. 5 D. 7
- 3) Counting unit fractions, what do $\frac{1}{4}, \frac{1}{4},$ and $\frac{1}{4}$ make together?
- A. $\frac{1}{12}$ C. $\frac{3}{1}$
 B. $\frac{3}{4}$ D. $\frac{1}{4}$
- 4) A garden is arranged in an array with 7 rows and 3 plants in each row. How many plants are in the garden?
- A. 21 C. 10
 B. 19 D. 24
- 5) A sack of potatoes weighs 10 kg. A basket of carrots weighs 3000 g. Which weighs more?
- A. Potatoes C. They weigh the same
 B. Carrots D. Cannot determine



6) A T-shaped sign is divided into three rectangles with areas 8 sq m, 5 sq m, and 5 sq m. What is the total area of the sign?

- A. 13 sq m
- B. 40 sq m
- C. 18 sq m
- D. 200 sq m

7) $\frac{1}{4} = \frac{2}{7}$. What number goes in the box?

- A. 4
- B. 6
- C. 8
- D. 10

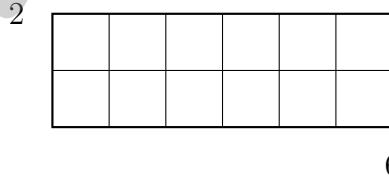
8) If a rectangle needs exactly 15 unit squares to cover it, which dimensions work?

- A. 3 by 5
- B. 4 by 4
- C. 2 by 7
- D. 3 by 4

9) A bar graph shows plants in pots. One bar is 4 units (scale: 3), another is 5 units (scale: 3). What is the total?

- A. 9
- B. 12
- C. 15
- D. 27

10)



How many unit squares are in this rectangle?

- A. 8
- B. 12
- C. 16
- D. 62



Scan me!
For more practice
& answers

- 1) $9 \times 10 = 90$. What place-value name describes the digit 9 in the number 90?
- A. The ones place C. The hundreds place
 B. The tens place D. The zero place
- 2) Mia drinks juice from four bottles. Each bottle holds 250 mL. How many milliliters does she drink in total?
- A. 250 mL C. 1000 mL
 B. 750 mL D. 2000 mL
- 3) If you want to measure the area of a wall, which is the best unit to use?
- A. Inches (like the perimeter) C. Feet (the height or length)
 B. Square feet (space covered) D. Miles (for large distances)
- 4) A square rug has side length 5 meters. What is its area?
- A. 10 sq m C. 25 sq m
 B. 20 sq m D. 30 sq m
- 5) What is $54 \div 6$?
- A. 8 C. 10
 B. 11 D. 9
- 6) Lily sees $(3 \times 2) \times 4$. She wants to find the answer using a different grouping. Which equation correctly finds the same product?
- A. $3 + (2 \times 4) = 11$ C. $(3 + 2) \times 4 = 20$
 B. $3 \times 2 \times 4 = 9$ D. $3 \times (2 \times 4) = 24$



7) Sam's swim practice starts at 4 : 30 PM and ends at 5 : 42 PM. How many minutes is the practice?

- A. 60 minutes C. 72 minutes
 B. 70 minutes D. 75 minutes

8) Mia colored $\frac{2}{3}$ of a circle. Write an equivalent fraction that uses 6 as the denominator.

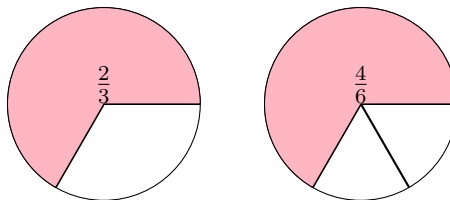
9) Ava is looking at this shape made of unit squares:



How many unit squares cover this shape?

- A. 7 unit squares C. 12 unit squares
 B. 10 unit squares D. 15 unit squares

10) Look at the pies. Are $\frac{2}{3}$ and $\frac{4}{6}$ equivalent?



- A. Yes, they are equivalent C. No, the second is larger
 B. No, the first is larger D. They are different fractions



Scan me!
For more practice
& answers

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



Scan me!
For more practice
& answers

Practice Test Answers and Explanations

Practice Test 1 Answers and Explanations

- Choice B is correct.** **(3.MD.3)** Piano: $6 \times 2 = 12$. Guitar: $4 \times 2 = 8$. More: $12 - 8 = 4$.
- Choice D is correct.** **(3.NF.2a)** Eighths are the smallest pieces listed, so the first tick at $\frac{1}{8}$ is closest to 0.
- Choice D is correct.** **(3.OA.7)** If $4 \times 9 = 36$, then $36 \div 9 = 4$. Multiplication and division are inverse operations.
- Choice A is correct.** **(3.OA.6)** This problem requires division: $24 \div 8 = \square$. We use the unknown-factor strategy: $\square \times 8 = 24$. The multiplication fact $8 \times 3 = 24$ tells us each student gets 3 crayons. We find the missing factor using multiplication.
- Choice A is correct.** **(3.MD.7c)** Both rectangles share the dimension 9. When stacked or side by side, they show $9 \times (2 + 5) = 9 \times 7 = 63$.
- Choice C is correct.** **(3.MD.5)** Multiply length by width: $10 \times 6 = 60$ square inches.
- Choice D is correct.** **(3.OA.3)** Divide: $56 \div 8 = 7$ cartons.
- Choice C is correct.** **(3.NF.3)** $\frac{2}{4}$ and $\frac{1}{2}$ both equal half of a whole.
- Choice A is correct.** **(3.NBT.2)** Regroup 803 as 7 hundreds, 9 tens, 13 ones. Ones: $13 - 7 = 6$. Tens: $9 - 6 = 3$ (after regrouping ones). Hundreds: $7 - 3 = 4$ (after regrouping tens). Answer: 436.
- Choice C is correct.** **(3.G.1)** A square is a special type of rectangle. Since a square has 4 right angles, it meets the definition of a rectangle.
- Choice C is correct.** **(3.OA.9)** An even number times any other whole number is always even, because the result is a multiple of 2.
- Choice B is correct.** **(3.MD.1)** $3 : 45 - 12 \text{ min} = 3 : 33 \text{ PM}$.
- Choice C is correct.** **(3.NF.1)** Folding a sheet into 2 equal parts creates two halves, each one is $\frac{1}{2}$.
- The correct answer is $\frac{3}{4}$.** **(3.G.2)** Three shaded parts out of 4 equal parts is $\frac{3}{4}$.
- Choices B and C are correct.** **(3.OA.4)** Choice B is true because $48 \div 6 = 8$. Choice C is true because $7 \times 7 = 49$. Choice A is false ($6 \times 8 = 48$, not 42). Choice D is false ($54 \div 9 = 6$, not 5). Choice E is false ($4 \times 9 = 36$, not 35).
- Choice D is correct.** **(3.NF.3a)** (i) $\frac{1}{3}$ and (iv) $\frac{2}{6}$ are equivalent because $\frac{2}{6} = \frac{1}{3}$. Both show one-third shaded.
- Choice A is correct.** **(3.NF.3b)** Both bars show the same shaded length. $\frac{3}{6} = \frac{1}{2}$ because $\frac{1 \times 3}{2 \times 3} = \frac{3}{6}$.
- Choice B is correct.** **(3.OA.8)** Step 1: Add the marbles: $9 + 6 = 15$. Step 2: Divide into 3 equal groups: $15 \div 3 = 5$ marbles in each group. (Choice D is the answer to step 1 only.)
- Choice B is correct.** **(3.NF.3c)** $8 \text{ fourths} \div 4 \text{ fourths per whole} = 8 \div 4 = 2$ wholes. The bar shows 2 full sections (thick line at middle).
- The correct answer is 30 square units.** **(3.MD.7a)** Multiply width by height: $6 \times 5 = 30$ square units. A sketch helps verify by counting rows and columns.
- Choice A is correct.** **(3.MD.7)** The grid has 8 columns and 5 rows. Area = $8 \times 5 = 40$ square units. You can also add: $8 + 8 + 8 + 8 + 8 = 40$ (five rows of eight).
- Choice C is correct.** **(3.MD.2)** Multiply: $400 \times 2 = 800$ g.
- Choice B is correct.** **(3.MD.4)** Total: $2 + 1 + 2 + 2 = 7$ notebooks. Remove 1 with 100 pages: $7 - 1 = 6$ remain.
- Choice D is correct.** **(3.MD.6)** $9 \times 3 = 27$ unit squares.
- Choice D is correct.** **(3.OA.1)** The array shows 6 columns and 2 rows. So $6 \times 2 = 12$ or $2 \times 6 = 12$.
- Choice D is correct.** **(3.NBT.1)** The point is at position 7 on the line from 0 to 10, which is past the midpoint of 5. It represents a number 450–499, closer to 500.
- Choice C is correct.** **(3.NF.2)** The dot is at the 3rd mark out of 8 equal divisions, so the fraction is $\frac{3}{8}$.
- The correct answer is 26 square meters.** **(3.MD.7d)** Upper part: $5 \times 4 = 20$ sq m. Lower part: $3 \times 2 = 6$ sq m. Total: $20 + 6 = 26$ sq m.
- Choice D is correct.** **(3.OA.2)** $10 \div 5 = 2$. The picture shows 5 equal groups, each with 2 items.
- Choice B is correct.** **(3.NF.3d)** Two thirds (with thirds) covers more area than two fourths (with fourths). Larger pieces means larger total.



Ahoy, Math Sailor!

◇ You sailed through 7 full tests. Some waters were calm. Some waters were rough. You kept your boat steady the whole way. ◇

★ **Captain's truth:** good sailors stay calm. They use the wind. They check the map. You did all those things on every test. ★

Sailor's Skills

- **Steady Hand:** You stay calm even when problems are tricky.
- **Map Skills:** You read each problem carefully.
- **Brave Spirit:** You believe in yourself.
- **Safe Harbor:** You finish what you start.

Captain's tip: on test day, sail steady. Trust the map you built through 7 practice tests. You will reach safe harbor!

If you want to share something or ask a question, please email me at jay@testinar.com.

Jay Daie

Your Math Captain

PRACTICE TODAY. MASTER TOMORROW.

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

- ✓ 7 full-length practice tests
- ✓ Aligned to Grade 3 standards
- ✓ Build confidence and achieve success
- ✓ Review, answer keys, and explanations



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
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