

3

Mississippi

MAAP

GRADE

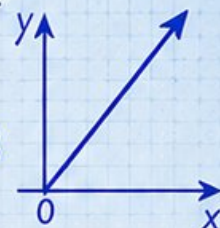
6

MATH

PRACTICE TESTS

Standards Aligned Problem Solving
For Comprehensive Assessment Programs

$$y = 2x + 3$$



$$\frac{3}{5} + \frac{2}{10} = \frac{8}{10} = \frac{4}{5}$$

$$36\% \text{ of } 150 = ?$$



3 | PRINTED TESTS



2 | ONLINE TESTS



Build Confidence



Master Key Math Skills



Answer Explanations for Every Question



Test-Taking Strategies That Work

USE THESE TWO
ADDITIONAL ONLINE
PRACTICE TESTS
FOR EXTRA REVIEW AFTER
THE PRINTED TESTS
IN THIS BOOK.

3 Mississippi MAAP Grade 6 Math Practice Tests

Standards-Aligned River-State Steady Practice for Mississippi Academic Assessment Program



Three complete 40-question Grade 6 practice rounds for MAAP, built for river-state steady practice with ratios, rational numbers, expressions, equations, geometry, statistics, 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, Mississippi Math Explorer!

Three focused rounds using river-state steady practice

This book gives you three full Grade 6 practice tests for MAAP. Each round uses river roads, porch-light focus, and practical math choices as a fresh mental backdrop while you read closely, choose a smart strategy, show your work, and check whether your answer makes sense.

Your Mississippi Practice Promise

Let every clue matter: read the context, write a useful setup, and check the answer.

Read

Plan

Check

How to Use This Book

A three-session routine for river-state steady practice

1. **Preview the skills.** Scan the quick review pages before beginning the first round.
2. **Mark confidence.** Put a small star beside problems where your plan felt strong.
3. **Work in order.** Take one 40-question test at a time in a quiet place.
4. **Plan the next round.** Use the growth log to choose one habit and one skill to practice.
5. **Correct actively.** Retry missed items before reading the full explanation.

Mississippi review rhythm: Finish a round, review the explanation trail, and choose one habit for the next test.



What Is Inside?

Three MAAP tests, 120 questions, and a full review path

Part	What You Will Practice
Tests 1–2	Foundation rounds for ratios, rational numbers, operations, and careful reading.
Test 3	Final stamina round for expressions, equations, geometry, data, problem models, and mixed review.
Answer Pages	Compact keys and explanations that show why each answer works.

The tests are mixed on purpose. River-state steady practice means recognizing the skill even when the next question changes topic, changes format, or asks for an explanation.



Scan me!
For more practice
& answers

Table of Contents

★ Practice Test 1	_____	14
★ Practice Test 2	_____	29
★ Practice Test 3	_____	45
Practice Test Answer Keys	_____	64
Practice Test Answers and Explanations	_____	67

- 1) Two events are scheduled at a recreation center. Event A happens every 15 minutes and Event B happens every 25 minutes. If both start at noon, at what time will they start together again?
- A. 12 : 15 PM C. 1 : 15 PM
 B. 12 : 25 PM D. 1 : 45 PM
- 2) A thermometer shows a temperature of -17 degrees. What does $|-17|$ tell us?
- A. The temperature is 17 degrees below zero C. The temperature is 17 degrees above zero
 B. The magnitude of the temperature is 17 degrees D. The temperature is positive
- 3) Which value is a solution to both $x > 3$ and $x < 9$?
- A. $x = 3$ C. $x = 6$
 B. $x = 10$ D. $x = 2$
- 4) A game records scores over 12 rounds:

Stem	Leaf
4	5, 7, 8
5	1, 2, 4, 6, 8, 9
6	2, 3

What is the difference between the maximum and minimum scores?

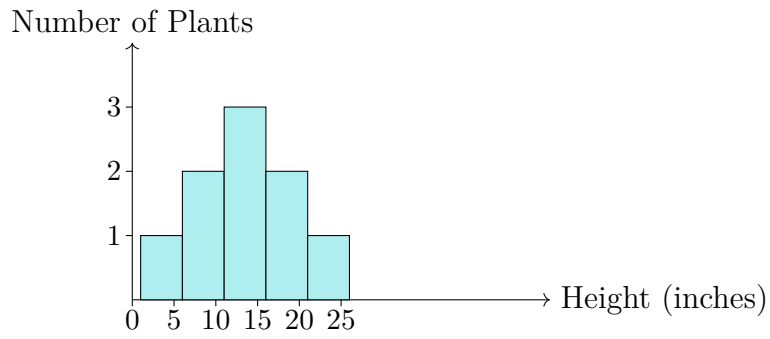
- A. 18 C. 16
 B. 17 D. 15



- 5) A graph shows earnings from mowing lawns. The relationship is linear, and the point $(3, 45)$ is on the line. If the origin $(0, 0)$ is also on the line, what is the constant rate of pay per lawn?
- A. \$12 per lawn C. \$20 per lawn
 B. \$15 per lawn D. \$45 per lawn
- 6) A basketball player made 18 out of 20 shots. What percent is this?
- A. 18% C. 90%
 B. 80% D. 95%
- 7) Emma scored 28 out of 35 points on a quiz. What percent did she score?
- A. 75% C. 85%
 B. 80% D. 90%
- 8) Which pair of ratios is equivalent?
- A. 4 : 5 and 8 : 15 C. 2 : 9 and 4 : 20
 B. 5 : 6 and 10 : 13 D. 3 : 7 and 6 : 14
- 9) A recipe calls for 3 cups of milk. A student incorrectly divided by 8 instead of multiplying. What error did the student make?
- A. The student was converting to fluid ounces correctly C. The conversion factor is wrong
 B. The student should multiply: $3 \times 8 = 24$ fluid ounces D. Dividing is the correct operation



Scan me!
For more practice
& answers



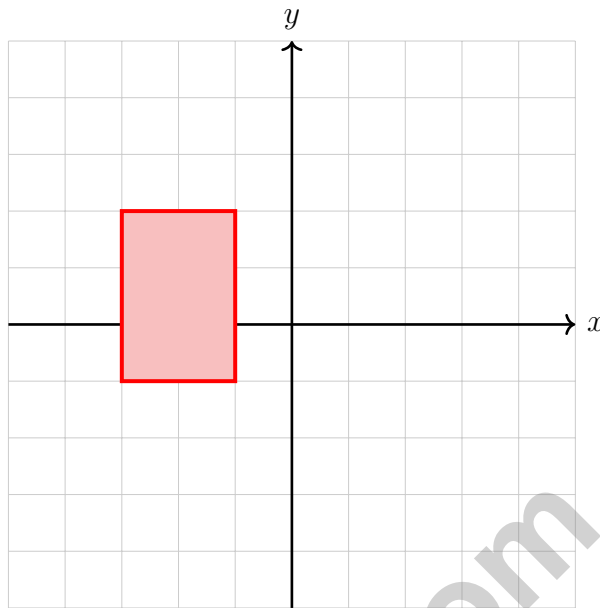
1)

This histogram displays the heights of seedlings in a garden. Which interval has the highest frequency?

- A. 5–10 inches
- B. 10–15 inches
- C. 15–20 inches
- D. 20–25 inches



Scan me!
For more practice
& answers



2)

A quadrilateral has vertices at $(-3, -1)$, $(-1, -1)$, $(-1, 2)$, and $(-3, 2)$. If it is reflected over the y -axis, what will be the image of $(-1, 2)$?

- A. $(1, 2)$
 C. $(-1, 2)$
 B. $(-1, -2)$
 D. $(1, -2)$

3) A student calculates the area of a circle with radius 3 cm and gets 28.26 cm^2 . Which value of π did they use?

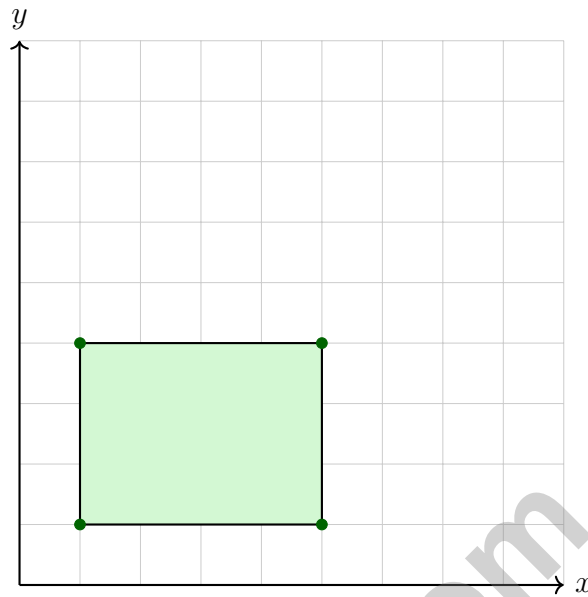
- A. $\pi \approx 3.5$
 C. $\pi \approx 2.5$
 B. $\pi \approx 2.2$
 D. $\pi \approx 3.14$

4) A rectangular prism has volume 120 cubic feet. Its length is 8 ft and its width is 5 ft. What is the height in feet?

- 1) A painter can paint 96 square feet in 4 hours. At this rate, how many square feet can the painter paint in 8 hours?
- A. 100 square feet C. 200 square feet
 B. 384 square feet D. 192 square feet
- 2) A parallelogram has a base of 8 m and a height of 5 m. What is its area?
- A. 13 m² C. 40 m²
 B. 26 m² D. 80 m²
- 3) A small box is 7 cm long, 3 cm wide, and 2 cm tall. What is its volume?
- A. 12 cm³ C. 28 cm³
 B. 21 cm³ D. 42 cm³



Scan me!
For more practice
& answers



4)

What is the perimeter of the rectangle shown above?

- A. 9 units
- B. 12 units
- C. 14 units
- D. 16 units

Testinar.com



Mississippi MAAP Practice Test Answer Keys

How to use this Mississippi MAAP answer section with a Grade 6 student:

1. check the answer first, then write one quick reason the choice is correct
2. mark questions to try again, especially the skills that feel connected to river-state steady practice
3. rework the problem before reading the full explanation, using this reminder: Let every clue matter: read the context, write a useful setup, and check the answer.

A calm Mississippi correction routine turns every missed item into useful practice. Finish a round, review the explanation trail, and choose one habit for the next test.



Mississippi Practice Test Answers and Explanations

Review the three printed MAAP tests with patient, practical, and ready for the next step habits.

Practice Test 1 Answers and Explanations

- Choice C is correct.** **(6.NS.4)** This is an LCM problem. Prime factors: $15 = 3 \times 5$, $25 = 5^2$. $LCM = 3 \times 5^2 = 75$ minutes. 75 minutes after noon is 1 : 15 PM.
- Choice B is correct.** **(6.NS.7c)** The absolute value $|-17| = 17$ gives the magnitude, or distance from zero, which is 17 degrees.
- Choice C is correct.** **(6.EE.8)** $x > 3$ and $x < 9$ means x is between 3 and 9. Only 6 satisfies both: $6 > 3$ and $6 < 9$.
- Choice A is correct.** **(6.SP.4)** Max = 63, Min = 45. Difference = $63 - 45 = 18$.
- Choice B is correct.** **(6.RP.3a)** If lawns mowed is on the x-axis and dollars earned is on the y-axis, the unit rate is $\frac{45}{3} = 15$ dollars per lawn.
- Choice C is correct.** **(6.RP.3c)** $\frac{18}{20} = \frac{90}{100} = 90\%$ (multiply numerator and denominator by 5).
- Choice B is correct.** **(6.RP.3c)** $\frac{28}{35} = \frac{4}{5} = 0.80 = 80\%$.
- Choice D is correct.** **(6.RP.3)** Check: $6 : 14 = (6 \div 2) : (14 \div 2) = 3 : 7$. The other pairs are not equivalent.
- Choice B is correct.** **(6.RP.3d)** Converting cups to fluid ounces requires multiplying by 8, not dividing. $3 \times 8 = 24$ fl oz.
- Choice C is correct.** **(6.NS.7d)** After taxes: $\$2000 \times (1 - 0.15) = \$2000 \times 0.85 = \$1700$. Savings: 20% of $\$1700 = 0.20 \times 1700 = \340 .
- Choice D is correct.** **(6.EE.9b)** For months 1, 2, 3: cost/months = $40/1 = 80/2 = 120/3 = 40$. The constant ratio (ignoring the 0,0 point) shows proportionality. The equation is $c = 40m$.
- Choice B is correct.** **(6.EE.9b)** Correct savings: 25% of $\$80 = 0.25 \times 80 = \20 . The student's calculation of $\$30$ is incorrect.
- Choice D is correct.** **(6.RP.3)** Divide: $54 \text{ feet} \div 18 \text{ inches} = 3 \text{ feet per inch}$.
- Choice B is correct.** **(6.NS.1)** If 1 can covers $\frac{2}{3}$ wall, then to cover $\frac{1}{2}$ wall we need $\frac{1}{2} \div \frac{2}{3} = \frac{1}{2} \times \frac{3}{2} = \frac{3}{4}$ can.
- Choice A is correct.** **(6.NS.2)** $4,752 \div 24 = 198$. Check: $24 \times 198 = 4,752$.
- Choice A is correct.** **(6.NS.3)** Add: $2.25 + 3.75 = 6.0$ km.
- The correct answer is 18.** **(6.RP.3)** The ratio of sixth graders to seventh graders is $4 : 6$, which simplifies to $2 : 3$. If 2 parts are 12 students, each part is 6, so seventh graders are $3 \times 6 = 18$.
- Choice C is correct.** **(6.NS.4)** Factors of 10: 1, 2, 5, 10. Factors of 15: 1, 3, 5, 15. Common factors: 1, 5. The GCF is 5.
- Choice D is correct.** **(6.NS.5)** Distance from zero determines how close a number is. $|-1| = 1$, which is the smallest distance among the choices. Numbers closer to zero have smaller absolute values.
- The correct answer is 60 items per box.** **(6.RP.3d)** Divide total items by number of boxes: $480 \div 8 = 60$ items per box.
- The correct answer is $4 : 6 = 2 : 3$ (dividing by 2) and $4 : 6 = 8 : 12$ (multiplying by 2).** **(6.RP.1)** Nice checking: Choice A works because $4 : 6$ simplifies to $2 : 3$, and Choice B works because multiplying both parts of $4 : 6$ by 2 gives $8 : 12$. The other choices change the relationship.
- Choice A is correct.** **(6.NS.6c)** Opposites are the same distance from zero on opposite sides. Both -3 and 3 are distance 3 from the origin.
- The correct answer is 30 mph.** **(6.RP.3b)** $45 \div \frac{3}{2} = 45 \times \frac{2}{3} = 30$ miles per hour.
- Choice D is correct.** **(6.NS.8)** Point S is at $(2, -4)$ and S' is at $(2, 4)$. Both have $x = 2$. Reflection across the x -axis keeps the x -coordinate the same.
- Choice D is correct.** **(6.NS.7d)** A is true ($-9 < -5$). B is true ($-2.5 > -3.5$). C is true ($-0.5 < 0.5$). D is false: $-7 < -3$, not greater.



Scan me!
For more practice
& answers

Author's Note

From a Friend Who Believes in You

Hi, Friend!

◇ I just want to say something important: I am proud of you. You did 3 full practice tests. That takes time, hard work, and heart. ◇

★ **Friendly truth:** a test is just one part of your math journey. You are SO much more than a score. The work you did is the real win! ★

What I Want You to Know

- **You are smart.** Every test you finished proves it.
- **You are brave.** You tried hard problems.
- **You are growing.** Mistakes taught you new things.
- **You are ready.** The skills are inside you.

One more thing: on test day, take a deep breath. Smile. Remember that someone (me!) believes in you. You can do this!

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

Jay Daie

Your Math Friend

PRACTICE TODAY. SUCCEED TOMORROW!

This book includes 3 full-length Math practice tests and 2 online tests to help Grade 6 students build confidence, strengthen skills, and excel on standardized assessments.

Each practice test is carefully crafted to reflect the latest standards and includes a variety of question types, realistic test conditions, and detailed answer explanations.

Perfect for classroom use, homework, test preparation, and extra practice at home.

THIS BOOK INCLUDES:

- 3 Full-Length Printed Tests
 - 2 Online Practice Tests
-  Detailed Answer Explanations

MORE PRACTICE. GREATER RESULTS.

Give your child the tools to build strong math skills, confidence, and a positive attitude toward learning.

WHAT YOU'LL GAIN



Stronger Math Skills

Build a solid foundation through targeted practice and review.



Better Problem Solving

Develop logical thinking and effective solution strategies.



Deeper Understanding

Reinforce key concepts with clear explanations and meaningful practice.



Test Confidence

Familiarize with test formats and improve accuracy and speed.



Achieve Success

Build confidence and perform your best on test day.

TOPICS COVERED

- ✓ Ratios & Rates
- ✓ The Number System
- ✓ Expressions & Equations
- ✓ Geometry
- ✓ Fractions & Decimals
- ✓ Percents
- ✓ Statistics & Probability
- ✓ Data Analysis
- ✓ Measurement & Conversions
- ✓ And More!



2 ONLINE TESTS

Use these two additional online practice tests for extra review after the printed tests in this book.



VISIT [TESTINAR.COM/MATH6](https://www.testinar.com/math6)
FOR MORE PRACTICE TESTS
AND LEARNING RESOURCES



PRACTICE
REGULARLY



STAY
FOCUSED



SOLVE
CONFIDENTLY



SUCCEED
BRIGHTLY

PREPARE TODAY. **SUCCEED TOMORROW!**