

7 Mississippi MAAP

Grade 6 MATH PRACTICE TESTS

7
PRINTED
TESTS
+
2
ONLINE
TESTS

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

Standards-Aligned *Steady Southern*
Problem Solving for Comprehensive
Assessment Program



7 Full-Length
Printed Tests



Standards-Aligned
Math Practice



Detailed Answer Keys
and Explanations



Build Confidence.
Achieve Success.



You've
Got
This!



PREPARE
PRACTICE
SUCCEED



PRACTICE
WITH PURPOSE



STRENGTHEN
MATH SKILLS



REVIEW, IMPROVE,
AND SUCCEED

7 Mississippi MAAP Grade 6 Math Practice Tests

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



Seven 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.

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Welcome, Mississippi Math Explorer!

Eight focused rounds using river-state steady practice

This book gives you seven 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 seven-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?

Eight MAAP tests, 320 questions, and a full review path

Part	What You Will Practice
Tests 1–3	Foundation rounds for ratios, rational numbers, operations, and careful reading.
Tests 4–6	Skill-building rounds with expressions, equations, geometry, data, and problem models.
Test 7	Final stamina round for mixed review, neat work, and flexible strategy choices.
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

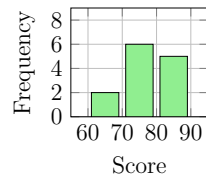
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1) The perimeter of a square is $P = 4s$. Find P when $s = 5$.

- A. 9 C. 25
 B. 20 D. 40

2) A histogram of test scores shows bars that are tallest in the middle and shorter on both sides. What shape is this?



A. Symmetric C. Skewed right
 B. Skewed left D. Bimodal

3) Data Set A: 5, 6, 7, 8, 9 (Mean = 7, Median = 7) Data Set B: 1, 5, 7, 8, 24 (Mean = 9, Median = 7) Which statement is true?

- A. Set A is more skewed C. The means are equal
 B. Set B has a larger outlier D. Set A has a larger outlier

4) A dot plot shows scores: {3, 5, 7, 7, 8, 8, 8, 9}. What is the mode?

- A. 7 C. 9
 B. 3 D. 8



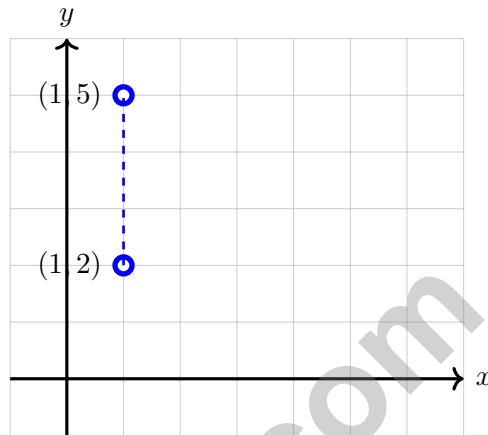
5) If the probability of success is 0.85, what is the probability of failure?

A. 0.15

C. 0.35

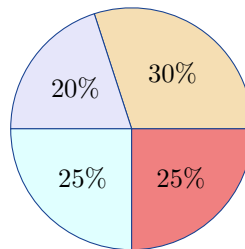
B. 0.25

D. 0.50



6)

Find the distance between the two points shown on the coordinate grid.



7)

What is the central angle for the 20% section in this circle graph?

A. 54°

C. 72°

B. 90°

D. 108°



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- 1) Two phone plans offer data. Compare their costs per gigabyte.

Plan	Data (GB)	Cost
Plan X	4.5	\$18.00
Plan Y	7.5	\$27.50

Which plan costs less per gigabyte?

- A. Plan X at \$4.00/GB
- B. Plan X at \$3.50/GB
- C. Plan Y at \$3.67/GB
- D. Plan Y at \$4.50/GB
- 2) Which two expressions are equivalent?
- A. $8(5 + 3)$ and $40 + 24$
- B. $8(5 + 3)$ and $8 + 8$
- C. $8(5 + 3)$ and $45 + 24$
- D. $8(5 + 3)$ and $40 + 3$
- 3) A garden has red flowers and yellow flowers in the ratio 4 : 5. If there are 20 red flowers, how many yellow flowers are there?

- 4) Write 19% as a decimal.

- A. 0.019
- B. 19.0
- C. 1.9
- D. 0.19



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& answers

5) A student's monthly allowance is \$200. She wants to allocate money to savings, entertainment, and snacks in the ratio 3 : 2 : 1. How much should she allocate to savings?

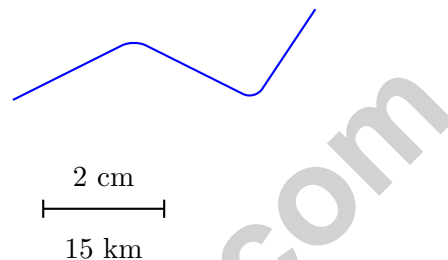
A. \$50

C. \$100

B. \$75

D. \$120

6) A map shows a road with a scale bar. The scale bar indicates that the distance on the map from one point to another is equivalent to 15 kilometers in reality.



The scale bar shows that 2 cm on the map represents 15 km in real life. What is the scale per centimeter?

A. 7.5 km per cm

C. 30 km per cm

B. 15 km per cm

D. 60 km per cm

7) A catering company charges at a constant rate. When 8 people are served, the cost is \$120. If the same ratio is maintained, what is the cost to serve 12 people?



1) Which expression is equivalent to $3(2x + 5)$?

A. $6x + 5$

C. $6x + 15$

B. $6x + 8$

D. $2x + 15$

2) At a bakery, 4 loaves of bread cost \$16. At this rate, what is the cost of 7 loaves?

A. \$24

C. \$32

B. \$28

D. \$36

3) A photographer takes photos at a constant rate. The table shows photos taken over different days. If this pattern continues, how many photos will be taken in 5 days?

Photos	Days
15	1
45	3
?	5

A. 60

C. 80

B. 70

D. 75

4) Complete the ratio table:

Left	3	?	15
Right	7	14	?

What are the missing values?

A. 6 and 30

C. 9 and 35

B. 6 and 35

D. 10 and 35



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For more practice
& answers

5) A school employee earns \$2500 per month. His retirement contribution is 6% of his salary. How much is deducted for retirement each month?

A. \$100

C. \$200

B. \$250

D. \$150

6) A baker has $2\frac{1}{4}$ pounds of flour. Each loaf of bread requires $\frac{3}{4}$ pound of flour. How many loaves can the baker make?

A. $1\frac{2}{3}$

C. $3\frac{1}{2}$

B. 3

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

7) Divide $9,108 \div 52$ and identify the quotient (whole-number part). Round down if there is a remainder.

A. 175

C. 183

B. 180

D. 190

8) What is the GCF of 32 and 48?

A. 8

C. 24

B. 16

D. 32

9) A city's elevation is 385 feet above sea level. A valley is at -215 feet below sea level. What is the elevation difference between the city and the valley?

A. 170 feet

C. 600 feet

B. 385 feet

D. -215 feet



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

Practice Test 1 Answers and Explanations

- Choice B is correct. **6.EE.2c** Substitute $s = 5$: $P = 4(5) = 20$ units.
- Choice A is correct. **6.SP.2** The peak is in the middle (75) with roughly balanced bars on either side (65 and 85 have similar shapes). This is roughly symmetric.
- Choice B is correct. **6.SP.5c** Set B has the outlier 24, making it more skewed. The means are not equal, and Set A does not have a larger outlier.
- Choice D is correct. **6.SP.5** The mode is the value appearing most frequently. The value 8 appears 3 times, more than any other value.
- Choice A is correct. **6.NS.3** Probability of failure = $1 - 0.85 = 0.15$.
- The correct answer is 3. **6.NS.8** The points share the same x -coordinate (1). The distance is $|5 - 2| = 3$ units.
- Choice C is correct. **6.NS.1** 20% of 360° is $0.20 \times 360^\circ = 72^\circ$.
- Choice D is correct. **6.SP.5c** The data is 5, 5, 5, 5, 7, 7, 11. Maximum = 11, minimum = 5. Range = $11 - 5 = 6$.
- Choice A is correct. **6.RP.1** Median measures center; IQR measures spread. Dataset A's median is higher and IQR is smaller (less spread).
- Choice B is correct. **6.SP.4** Class A leaves (reading right-to-left) are 2, 5, 7, giving values 82, 85, 87. The smallest is 82.
- Choice C is correct. **6.RP.3** Circle graphs show parts of a whole. Temperature changes over time require a line graph. The other options show compositions (parts of 100%) which circle graphs handle well.
- Choice B is correct. **6.EE.2b** A constant term is a number with no variable. The only constant term here is 10. The other terms all have variables.
- Choice C is correct. **6.EE.6** Look at the pattern: every time age goes up by 2 years, height goes up by 5 inches. From age 12 (60 inches) to age 14, that's 2 more years, so add 5 more inches: $60 + 5 = 65$ inches.
- Choice D is correct. **6.EE.5** The total is divided into 4 equal parts of 6 each, so $\frac{x}{4} = 6$. Multiplying by 4 gives $x = 24$ cm.
- Choice D is correct. **6.EE.8** "Greater than or equal to" uses the \geq symbol, so the inequality is $x \geq -5$.
- Choice B is correct. **6.EE.9** Each output is 7 times the input: $1 \rightarrow 7$, $2 \rightarrow 14$, $3 \rightarrow 21$, $4 \rightarrow 28$. The equation is $y = 7x$.
- Choice C is correct. **6.G.2** Using $V = L \times W \times H$, we have $V = 5 \times 2 \times 3 = 30 \text{ cm}^3$.
- Choice A is correct. **6.RP.3d** Divide sugar by cupcakes: $3 \div 24 = \frac{3}{24} = \frac{1}{8}$ cup per cupcake.
- Choice D is correct. **6.RP.3c** Columns 0–6 (7 columns) \times 10 rows = 70 squares = 70%.
- Choice D is correct. **6.NS.7d** $\frac{\$200}{\$25 \text{ per month}} = 8$ months.
- The correct answer is Both A and B correctly describe the relationship: $-4 < 3$ and 3 is positioned to the right of -4 on a number line. **6.NS.7d** A is correct ($-4 < 3$). B is correct because 3 appears to the right of -4 . C is false ($-4 < 3$, not greater). D is false because the distance is $3 - (-4) = 7$, not 6. E is false because the distance from -4 to 0 is 4 units, but the distance from 0 to 3 is 3 units.
- Choice D is correct. **6.NS.1** $\frac{9}{10} \times \frac{5}{3} = \frac{45}{30} = \frac{3}{2}$.
- Choice B is correct. **6.NS.2** $7,280 \div 35 = 208$ remainder 4. Check: $35 \times 208 + 4 = 7,280$.
- Choice D is correct. **6.NS.4** This is a GCF problem. The GCF of 35 and 49 is 7. So they can make 7 rows with 5 tomato and 7 pepper plants per row.
- Choice B is correct. **6.G.1** Area = $6 \times 2 = 12 \text{ ft}^2$.



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& 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. 7 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.

Jay Daie

Your Math Mentor

MASTER TODAY. SUCCEED TOMORROW.

This Grade 6 Math Practice Tests book is designed to help students strengthen their math skills, master important concepts, and build the confidence they need to excel on comprehensive assessments.

With 7 full-length printed tests and 2 online tests, students get the review, practice, and realistic test experience they need to improve accuracy, develop problem-solving abilities, and reach their full potential.

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



PERFECT FOR:

- ✓ Classroom Practice
- ✓ Homework & Review
- ✓ Independent Learning
- ✓ Test Preparation
- ✓ Skill Reinforcement
- ✓ Building Confidence

★ PRACTICE TODAY.
SUCCEED TOMORROW.

WHAT STUDENTS WILL 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 aligned with standards through meaningful practice.



Test Confidence

Become familiar 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

Extra online practice to reinforce learning and build confidence.

MORE PRACTICE. GREATER RESULTS.

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



7 FULL-LENGTH
PRINTED TESTS



STANDARDS-
ALIGNED PRACTICE



DETAILED ANSWER
KEYS & EXPLANATIONS