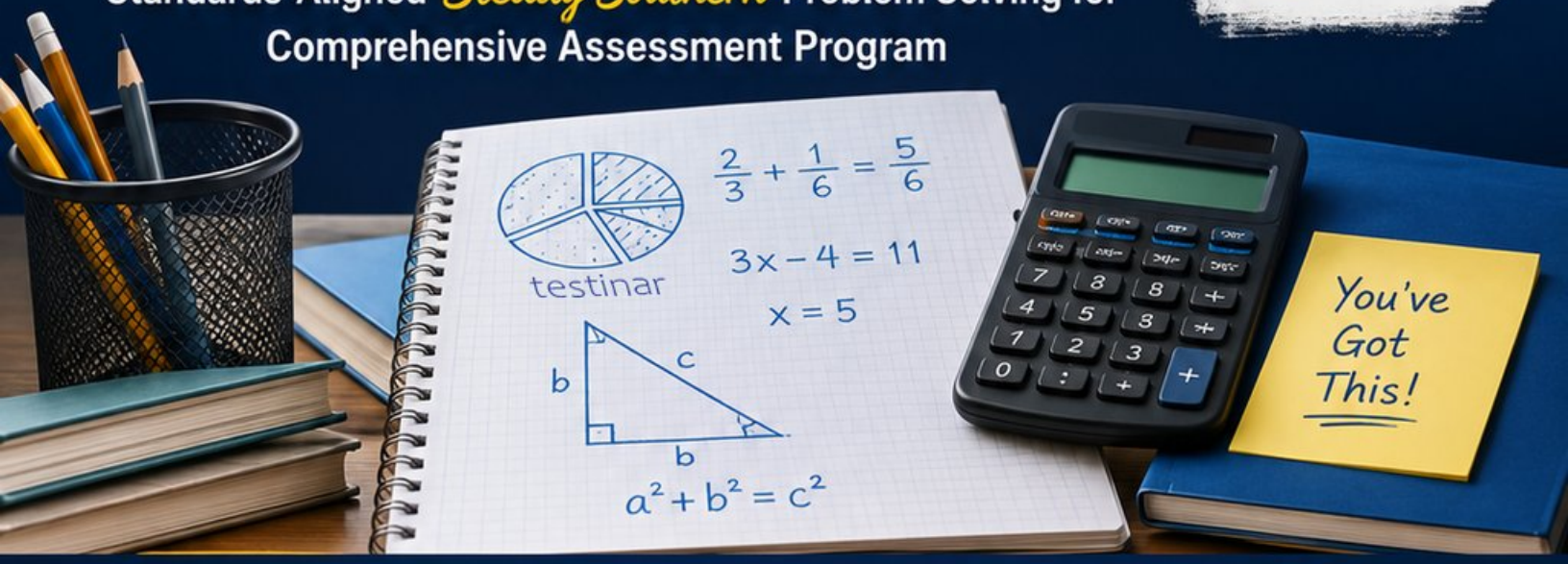
8 Mississippi MAAP

8 PRINTED TESTS + 2 ONLINE TESTS

GRADE 6 MATH PRACTICE 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



BUILT FOR ACAP SUCCESS

REALISTIC TESTS & QUESTION TYPES

STRENGTHEN MATH SKILLS

REVIEW, PRACTICE, AND IMPROVE

8 Mississippi MAAP Grade 6 Math Practice Tests

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

Eight 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

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Welcome, Mississippi Math Explorer!

Eight focused rounds using river-state steady practice

This book gives you eight 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.

How to Use This Book

A eight-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.
Tests 7–8	Final stamina rounds 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.

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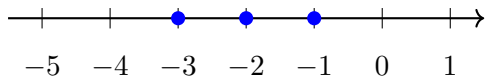
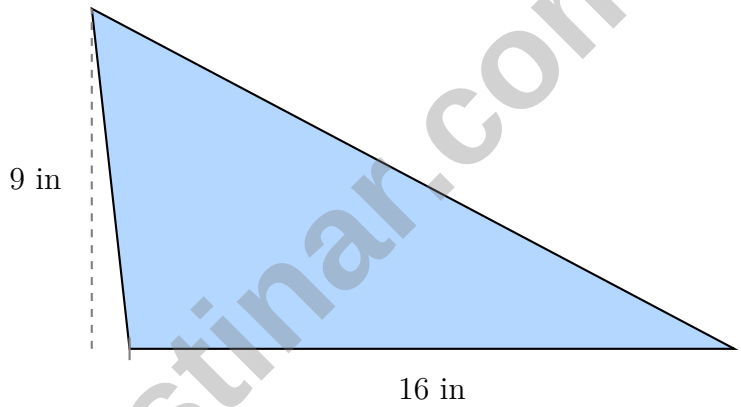
1)



The number line shows three identical jumps to the left. Which multiplication does this model?

☐ A. $(-1) \times (-3)$
☐ B. $3 \times (-1)$
☐ C. 3×1
☐ D. $(-3) \times (-1)$

2) An obtuse triangle has a perpendicular height of 9 inches measured to the extended base line. The base is 16 inches. What is the area?



☐ A. 25 in^2
☐ B. 72 in^2
☐ C. 144 in^2
☐ D. 288 in^2

3) On a number line from 0 to 3 divided into tenths, point P is at 1.4 and point Q is at 2.8. What is the distance between points P and Q?

4)

What is the distance between $(1, 1)$ and $(8, 1)$?

- ☐ A. 6 units
- ☐ B. 7 units
- ☐ C. 8 units
- ☐ D. 9 units

5) A mine shaft entrance is at sea level (0 meters). A tunnel goes down to -450 meters. How deep is the tunnel?

- ☐ A. 450 meters
- ☐ B. -450 meters
- ☐ C. 225 meters
- ☐ D. -225 meters

6) Which expression correctly translates "the quotient of the sum of a and b and 2"?

- ☐ A. $a + \frac{b}{2}$
- ☐ B. $\frac{a}{2} + b$
- ☐ C. $\frac{a+b}{2}$
- ☐ D. $2(a+b)$

7) Which term has a coefficient of $\frac{2}{3}$?

- ☐ A. $\frac{2}{3}$
- ☐ B. $\frac{2}{3}r$
- ☐ C. $2r + 3$
- ☐ D. $r + \frac{2}{3}$

8) A company charges \$25 per hour plus a \$50 service fee. Which expression represents the total cost for h hours of work?

☐ A. $25h + 50$
☐ B. $25 + 50h$
☐ C. $50h + 25$
☐ D. $25h - 50$

9) A student solved $3x = 21$ and wrote $x = 18$. What went wrong?

☐ A. They added 3 instead of dividing
☐ B. They multiplied by 3 instead of dividing
☐ C. The answer is correct
☐ D. They subtracted 3 instead of dividing by 3

10) Which inequality does NOT match the description "numbers greater than 8"?

☐ A. $x > 8$
☐ B. $8 < x$
☐ C. All of the above match the description
☐ D. $x \geq 8$

11) A recipe calls for 3 cups of water for every 1 cup of rice. Which equation describes the relationship between cups of rice (r) and cups of water (w)?

☐ A. $r = 3w$
☐ B. $w = 3r$
☐ C. $r = w + 3$
☐ D. $w = r - 3$

12) A rectangular prism has a base with length 7 in and width 4 in. Its height is 5 in. Find the volume using $V = Bh$.

☐ A. 140 in^3
☐ B. 99 in^3
☐ C. 58 in^3
☐ D. 280 in^3

1) A game costs \$60. During a sale, it is discounted by 35%. What is the sale price?

☐ A. \$21
☐ B. \$25
☐ C. \$39
☐ D. \$45

2) An error in a graph is noticed: the vertical axis starts at 50 instead of 0, and the bars for three products show heights of 52, 54, and 56.
How might this mislead readers?

☐ A. The data appears to be about sports, not products
☐ B. The graph is too small to read
☐ C. The actual differences (2 and 2 units) appear much larger than they are
☐ D. Readers cannot understand percentages

3) Compare the two datasets using their box plots. Dataset X: median = 50, IQR = 10. Dataset Y: median = 50, IQR = 20. What can you conclude?

☐ A. Dataset X is more spread out than Dataset Y.
☐ B. Dataset Y has a higher center than Dataset X.
☐ C. Dataset Y has more variability than Dataset X.
☐ D. Both datasets are identical.

4) A researcher plots quarterly sales (in thousands of dollars). When creating a stem-and-leaf plot from: $45, 52, 48, 61, 55, 58, 63$, which stems are needed?

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

☐ A. Stems 4 and 5
☐ B. Stems 5 and 6
☐ C. Stems 4, 5, and 6
☐ D. Only stem 5

5) Which expression correctly translates "a number k divided by the sum of 2 and 3"?

☐ A. $\dfrac{k}{2+3}$
☐ B. $k \div 2 + 3$
☐ C. $\dfrac{2+3}{k}$
☐ D. $\dfrac{k}{2} + 3$

6) Which pair are unlike terms?

☐ A. $6x$ and $2x$
☐ B. $7y$ and $-3y$
☐ C. $4a$ and $4b$
☐ D. $5n$ and n

7) A team scores s points in the first half and 18 points in the second half. Which expression shows the total points scored?

☐ A. $s - 18$
☐ B. $18 - s$
☐ C. $s + 18$
☐ D. $18s$

8) Solve for x: $x - 6 = 10$

☐ A. $x = 4$
☐ B. $x = 16$
☐ C. $x = 60$
☐ D. $x = 0.6$

9) A student needs to score more than 80% to pass. Which inequality represents passing scores?

☐ A. $s \leq 80$
☐ B. $s < 80$
☐ C. $s > 80$
☐ D. $s \geq 80$

10) A babysitter charges \$12 per hour. If the sitter works for h hours, the total earnings are $e = 12h$. When this relationship is graphed with hours on the horizontal axis and earnings on the vertical axis, what earnings value does the line cross the vertical axis at?

☐ A. 0
☐ B. 12
☐ C. 6
☐ D. 24

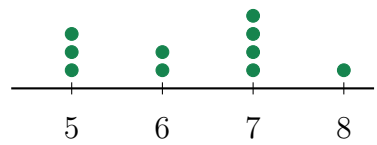
1) A store accepts returns for at most 30 days after purchase. Which inequality correctly represents days when returns are allowed?

☐ A. $d > 30$
☐ B. $d \geq 30$
☐ C. $d \leq 30$
☐ D. $d < 30$

2) Three books cost \$12.75, \$8.50, and \$15.25. What is the total cost of the books?

3) An elevator is at floor 3. It descends 10 floors to reach a basement level. Write the integer that represents the basement floor's position.

4) A dot plot shows the number of goals scored by different soccer teams during a season. If the dot plot shows 3 teams scored 5 goals, 2 teams scored 6 goals, 4 teams scored 7 goals, and 1 team scored 8 goals, what is the total number of goals scored by all teams combined?



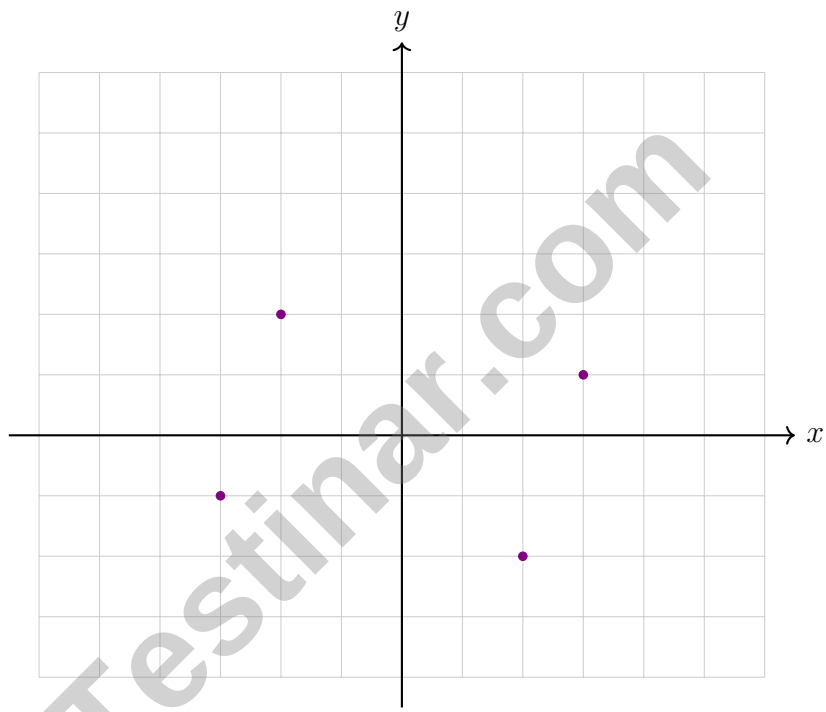
Goals Scored

☐ A. 63 goals
☐ B. 50 goals
☐ C. 75 goals
☐ D. 60 goals

5) A team recorded the number of goals scored in each game of a season: 2, 3, 1, 4, 2, 3, 3, 2, 5, 3.
If you created a dot plot with this data, at which value would you see the MOST dots?

☐ A. 1 goal
☐ B. 2 goals
☐ C. 3 goals
☐ D. 5 goals

6)



How many of the plotted points are in Quadrant I?

☐ A. 1
☐ B. 2
☐ C. 3
☐ D. 4

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

Practice Test 1 Answers and Explanations

1) **Choice B is correct.** 6.NS.A Three identical jumps of -1 can be represented as $3 \times (-1) = -3$.
2) **Choice B is correct.** 6.G.1 Even with the height extending outside, $A = \frac{1}{2} \times 16 \times 9 = 72$ in^2.
3) **The correct answer is** 1.4. 6.NS.6c Distance $= 2.8 - 1.4 = 1.4$ units.
4) **Choice B is correct.** 6.NS.8 Same y-coordinate (1): $|8 - 1| = 7$ units.
5) **Choice A is correct.** 6.NS.9d Depth (as a positive distance) from sea level to the tunnel: $0 - (-450) = 450$ meters.
6) **Choice C is correct.** 6.EE.2a "The sum of a and b" is $(a + b)$. "The quotient of" that sum "and 2" requires the sum in the numerator: $\frac{a+b}{2}$.
7) **Choice B is correct.** 6.EE.2b The term $\frac{2}{3}r$ has coefficient $\frac{2}{3}$. The other options either have no variable or have a different structure.
8) **Choice A is correct.** 6.EE.6 Hourly cost is 25 per hour $(25h)$. Add the flat service fee of \$50: total $= 25h + 50$.
9) **Choice D is correct.** 6.EE.5 To undo multiplication by 3, we divide by 3: $x = 21 \div 3 = 7$. If they subtracted 3, they got $21 - 3 = 18$, which is wrong.
10) **Choice D is correct.** 6.EE.8 $x > 8$ and $8 < x$ both represent strictly greater than. $x \geq 8$ includes 8, so it represents "greater than or equal to," not just "greater than."
11) **Choice B is correct.** 6.EE.9 Water is determined by rice: for every cup of rice, you need 3 cups of water. The equation is $w = 3r$.
12) **Choice A is correct.** 6.G.2 Base area: $B = 7 \times 4 = 28$ in^2. Volume: $V = 28 \times 5 = 140$ in^3.
13) **Choice B is correct.** 6.G.1 Width: $6 - 1 = 5$ units. Height: $7 - 2 = 5$ units. Area $= 5 \times 5 = 25$ square units.
14) **Choice D is correct.** 6.G.A In this cross net with an extension (T above U), L and R are on opposite ends of the center row. When folded, L is opposite to R.
15) **Choice C is correct.** 6.RP.1 Area of a circle $= \pi r^2 \approx 3.14 \times 5^2 = 3.14 \times 25 = 78.5$ cm^2.
16) **Choice D is correct.** 6.SP.5 Left-skewed means the tail points left (low values). Mean (42) < median (48) indicates low-value outliers pulling the mean down. These outliers are students with very short reading times.
17) **Choice C is correct.** 6.NS.3 Outcomes: HH, HT, TH, TT. Total outcomes $= 2 \times 2 = 4$.
18) **Choice D is correct.** 6.NS.1 19% of 720 is $0.19 \times 720 = 136.8 \approx 137$ visitors.
19) **The correct answer is** 25. 6.EE.8 At least 25 includes 25 and all greater numbers.
20) **Choice B is correct.** 6.RP.3b $10 \div \frac{3}{2} = 10 \times \frac{2}{3} = \frac{20}{3} \approx 6.67$ mph.
21) **The correct answer is** 36. 6.G.3 Length $= 8 - 2 = 6$ units; width $= 9 - 3 = 6$ units. Area $= 6 \times 6 = 36$ square units.
22) **The correct answer is** $2.4 \times 2 = 4.8$ **and** $9.6 \div 2 = 4.8$.. 6.NS.3 A equals 4.8 because $2.4 \times 2 = 4.8$. B equals 4.8 because $9.6 \div 2 = 4.8$. Choices C, D, and E give 4.9, 3.9, and 4.2.
23) **Choice A is correct.** 6.RP.3 Method 1: 1 cup costs \$2, so unit price = \$2/cup. Method 2: 2 cups cost \$3, so unit price $=$ \$3 $\div 2 =$ \$1.50/cup. The methods have different unit rates and cannot be called equivalent recipes in terms of cost efficiency.
24) **Choice D is correct.** 6.RP.3 Speed = Distance $\div$ Time $= 18 \div 1.5 = 12$ miles per hour.
25) **Choice C is correct.** 6.NS.7d Tip: 15% of \$32 $= 0.15 \times 32 =$ \$4.80.
26) **Choice C is correct.** 6.NS.1 Rewrite the division as multiplication by flipping $\frac{1}{3}$: $\frac{5}{6} \times \frac{3}{1} = \frac{15}{6}$. Simplify $\frac{15}{6}$ to $\frac{5}{2}$ (or mixed form $2\frac{1}{2}$).

Hi, Curious Scientist!

◇ 8 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.

Jay Daie

Your Math Scientist

MASTER MATH. ACE YOUR TESTS.

This Grade 6 Math Practice Tests book is designed to help students build confidence, strengthen math skills, and excel on comprehensive assessments.

With 8 full-length printed tests and 2 online tests, this resource provides realistic practice, a variety of question types, and detailed answer explanations to help students achieve their best.

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

8 PRINTED TESTS

+

2 ONLINE TESTS

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.

Understand Key Concepts

Reinforce important math ideas aligned with standards.

Test Confidence

Get familiar with test formats and improve accuracy.

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.

8 FULL-LENGTH PRACTICE TESTS

2 ONLINE PRACTICE TESTS

DETAILED ANSWER EXPLANATIONS