

4 Mississippi MAAP

GRADE
6
MATH

PRACTICE TESTS

Standards Aligned Problem Solving
For Comprehensive Assessment Programs

4

**PRINTED
TESTS**



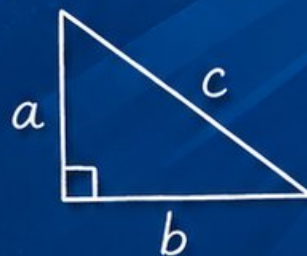
2

**ONLINE
TESTS**



- ✓ Build Confidence
- ✓ Master Key Math Skills
- ✓ Answer Explanations for Every Question
- ✓ Test-Taking Strategies That Work

$$2x + 5 = 21$$
$$x = 8$$



$$\frac{3}{4} + \frac{1}{2} = \frac{5}{4}$$



**USE THESE TWO
ADDITIONAL ONLINE
PRACTICE TESTS**

**FOR EXTRA REVIEW AFTER
THE PRINTED TESTS
IN THIS BOOK.**

4 Mississippi MAAP Grade 6 Math Practice Tests

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



Four 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!

Four focused rounds using river-state steady practice

This book gives you four 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 four-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?

Four MAAP tests, 160 questions, and a full review path

Part	What You Will Practice
Tests 1–2	Foundation rounds for ratios, rational numbers, operations, and careful reading.
Tests 3–4	Skill-building and final stamina rounds with expressions, equations, geometry, data, and problem models.
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.

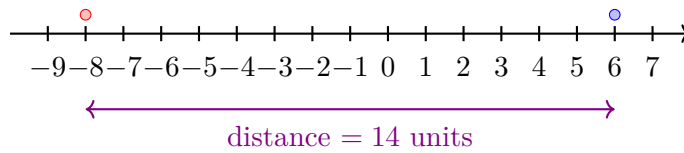


Scan me!
For more practice
& answers

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- 1) Which number line shows the distance between -8 and 6 ?



- A. Distance is 2 units
- B. Distance is 8 units
- C. Distance is 14 units
- D. Distance is 22 units
- 2) On a number line, which comparison is true?
- A. $-0.9 > -0.1$
- B. $-0.1 > -0.9$
- C. $-0.5 > 0.5$
- D. $0.1 < -0.1$
- 3) Convert $\frac{3}{8}$ to a percent.

- 4) Which ordered pair is in Quadrant I?

- A. $(-5, 7)$
- B. $(1, -8)$
- C. $(-2, -4)$
- D. $(8, 3)$



5) Order from least to greatest:

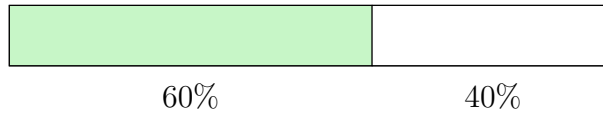
$$\frac{1}{6}, -\frac{1}{6}, \frac{1}{3}, -\frac{1}{3}$$

A. $-\frac{1}{3}, -\frac{1}{6}, \frac{1}{6}, \frac{1}{3}$

C. $-\frac{1}{6}, -\frac{1}{3}, \frac{1}{6}, \frac{1}{3}$

B. $\frac{1}{6}, \frac{1}{3}, -\frac{1}{6}, -\frac{1}{3}$

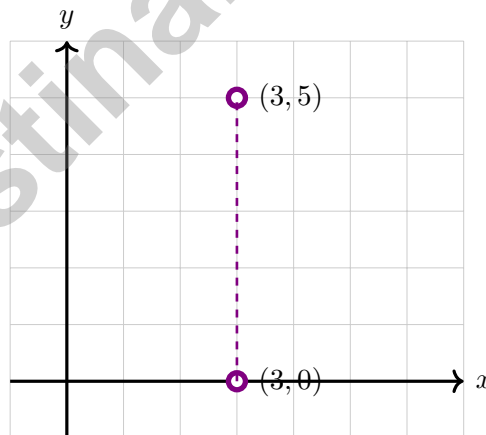
D. $\frac{1}{3}, \frac{1}{6}, -\frac{1}{6}, -\frac{1}{3}$



6)

Total: 150 students

How many students are in the 60% section?



7)

Find the distance between (3, 0) and (3, 5).

A. 3 units

C. 5 units

B. 4 units

D. 8 units



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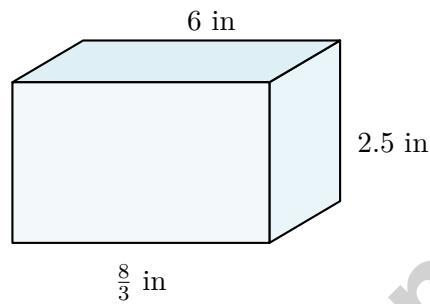
8) A parallelogram has a slanted side of 8 cm, a base of 12 cm, and a height of 5 cm. What is the area?

A. 25 cm^2

B. 40 cm^2

C. 60 cm^2

D. 96 cm^2



9)

Find the volume of the prism.

A. 20 in^3

B. 30 in^3

C. 40 in^3

D. 60 in^3

10) A polygon has vertices at $(2, 3)$, $(2, 7)$, and $(6, 3)$. What shape is this?

A. Triangle

B. Trapezoid

C. Square

D. Pentagon



1) A landscape architect draws a garden plan with a scale of 1 cm = 2 feet. If a garden bed is drawn as 5 cm wide, what is the actual width?

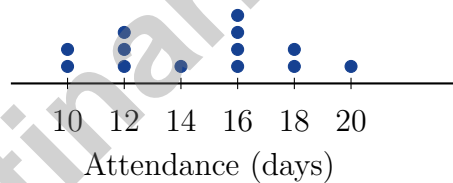
- A. 5 feet C. 10 feet
 B. 7 feet D. 15 feet

2) Which rewrite BEST makes this a statistical question?

Original: "What is the fastest car?"

- A. What color is the fastest car? C. How many cars are there?
 B. What are the top speeds of different car models? D. What year was the fastest car made?

3) A dot plot displays class attendance. Which statement cannot be determined directly from the dot plot without additional information?



- A. The mode is 16 days D. The median is between 14 and 16
 B. Exactly 2 students attended 10 days days
 C. The total attendance is 200 days

4) A circle has a diameter of 16 inches. Using $\pi \approx \frac{22}{7}$, find the approximate area.



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5) If $Q_1 = 15$ and $Q_3 = 35$, what is the IQR?

A. 10

C. 20

B. 15

D. 50

6) Corn plant heights (inches) from 9 plants: $\{24, 26, 28, 30, 32, 34, 36, 38, 40\}$. What is the shape?

A. Symmetric

C. Skewed left

B. Skewed right

D. Bimodal

7) The data set is: 5, 8, 10, 12, 15, 18, 20, 22, 25, 28. Find the interquartile range (IQR).
Hint: $Q_1 = 10$, $Q_3 = 23$.

8) Which fraction best represents an event that is **very likely** to occur?

A. $\frac{1}{10}$

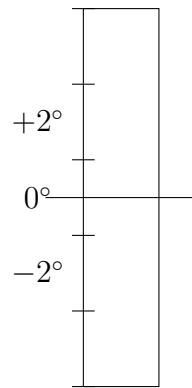
C. $\frac{4}{5}$

B. $\frac{2}{5}$

D. $\frac{1}{20}$



- 1) A temperature starts at -5°F . After one hour, it is 8°F . How much did the temperature increase?



- A. 13°F C. -13°F
 B. 3°F D. 8°F
- 2) A recipe uses 2 cups of flour for every 1 cup of sugar. If you want to make a batch using 5 cups of flour, how many cups of sugar do you need? Explain your reasoning using the concept of proportionality.

- 3) What is 6.3×0.9 ?

- A. 5.67 C. 0.567
 B. 56.7 D. 7.2



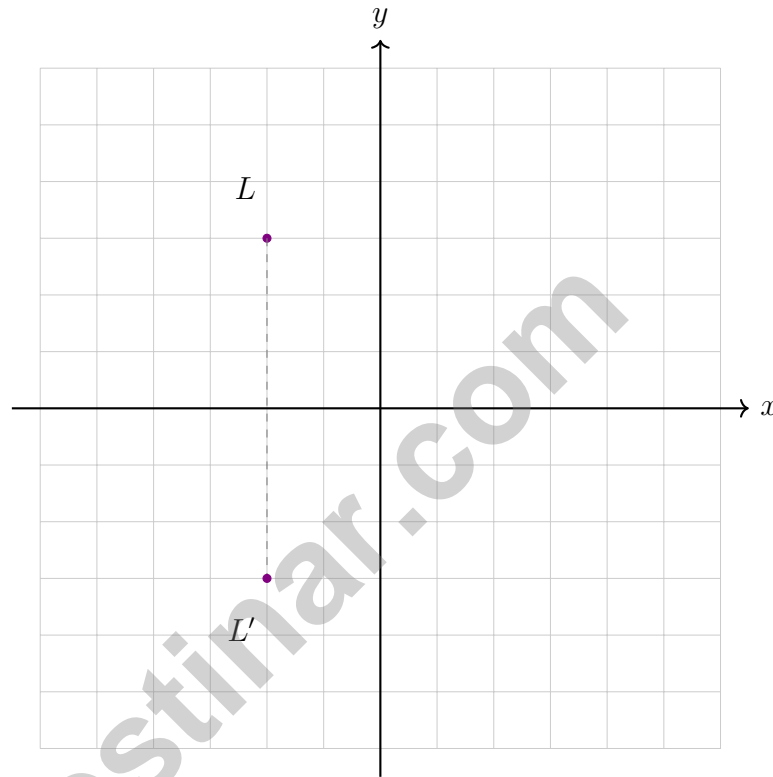
4) Factor $27 + 18$ using the GCF.

A. $3(9 + 6)$

B. $9(3 + 2)$

C. $6(4.5 + 3)$

D. $18(2 + 1)$



5)

Points L and L' are shown. If L is reflected across the x -axis to create L' , what are the coordinates of L ?

A. $(-2, 3)$

B. $(-2, -3)$

C. $(3, -2)$

D. $(2, 3)$



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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.



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Mississippi Practice Test Answers and Explanations

Review the four 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.9)** The distance from -8 to 6 is $6 - (-8) = 6 + 8 = 14$ units.
- Choice B is correct. **(6.NS.6c)** On the number line, -0.1 is to the right of -0.9 , making it greater.
- The correct answer is 37.5% . **(6.RP.3c)** $\frac{3}{8} = 0.375$, and $0.375 \times 100 = 37.5\%$.
- Choice D is correct. **(6.NS.8)** Quadrant I contains points with positive x and positive y coordinates. The point $(8, 3)$ has both coordinates positive.
- Choice A is correct. **(6.NS.7d)** Negatives come before positives. $-\frac{1}{3} < -\frac{1}{6}$ and $\frac{1}{6} < \frac{1}{3}$.
- The correct answer is 90 . **(6.RP.3c)** 60% of $150 = 0.60 \times 150 = 90$ students.
- Choice C is correct. **(6.NS.8)** Same x -coordinate (3): $|5 - 0| = 5$ units.
- Choice C is correct. **(6.G.1)** Area = base \times height = $12 \times 5 = 60 \text{ cm}^2$. The slanted side is irrelevant.
- Choice C is correct. **(6.G.2)** $V = \frac{8}{3} \times 2.5 \times 6 = \frac{8}{3} \times 15 = 40 \text{ in}^3$.
- Choice A is correct. **(6.G.3)** Three vertices form a triangle, which is a three-sided polygon.
- Choice A is correct. **(6.G.1)** Rectangle: base $10 - 2 = 8$, height $5 - 1 = 4$, area = 32 square units. Triangle: base $12 - 10 = 2$, height $5 - 1 = 4$, area = 4 square units. Total = $32 + 4 = 36$ square units.
- Choice C is correct. **(6.G.A)** Two triangular bases: $2 \times 30 = 60 \text{ cm}^2$. Three rectangular faces: $(5 \times 10) + (12 \times 10) + (13 \times 10) = 50 + 120 + 130 = 300 \text{ cm}^2$. Total = $60 + 300 = 360 \text{ cm}^2$.
- Choice B is correct. **(6.NS.7c)** The integer score is -12 because under par is represented with a negative number. Its absolute value, $|-12| = 12$, gives the magnitude only.
- Choice D is correct. **(6.EE.8)** "At most 3 hours" allows 3 hours and anything less: $h \leq 3$.
- Choice D is correct. **(6.SP.4)** Values at least 24 are 24, 26, 28, 29, 30, 32, 35, for a total of 7 players.
- Choice B is correct. **(6.RP.3)** A dot plot with 365 data points would be too crowded to read or interpret meaningfully. Line graphs, histograms, and bar graphs all organize data more effectively for large datasets.
- Choice B is correct. **(6.NS.7d)** Increase: 10% of $\$60 = 0.10 \times 60 = \6 . New price: $\$60 + \$6 = \$66$.
- Choice A is correct. **(6.EE.9b)** For apples at $\$2$ each, the equation is $c = 2a$. The graph passes through $(0, 0)$, $(1, 2)$, $(2, 4)$, $(3, 6)$, and $(4, 8)$, representing a proportional relationship with a unit rate of $\$2$ per apple.
- Choice D is correct. **(6.EE.9b)** Comparing the percentages: 45% , 30% , 20% , and 5% , the smallest is 5% for Other.
- Choice A is correct. **(6.RP.3)** Distance: $4 \text{ inches} \times 20 \text{ mi/inch} = 80 \text{ miles}$. Time: $80 \div 50 = 1.6 \text{ hours}$.
- Choice B is correct. **(6.NS.1)** Invert $\frac{4}{5}$ to $\frac{5}{4}$, then multiply: $\frac{2}{3} \times \frac{5}{4} = \frac{10}{12}$. That reduces nicely to $\frac{5}{6}$.
- The correct answer is The constant of proportionality is 4 , and the cost per unit is $\$4$. **(6.RP.3a)** A is correct because $k = \frac{8}{2} = 4$. B is correct because the cost per unit is $\$4$. The equation is $y = 4x$, so Choice C is false; Choice D is false because the graph passes through $(0, 0)$; Choice E gives the wrong unit rate.
- Choice A is correct. **(6.NS.2)** $5,544 \div 24 = 231$. Check: $24 \times 231 = 5,544$.
- The correct answer is 9 . **(6.RP.3)** Ratio $5 : 3$ with 15 red marbles: each part is $15 \div 5 = 3$ marbles. Blue marbles: $3 \times 3 = 9$.
- Choice A is correct. **(6.NS.3)** All three are equivalent: $0.5 = 0.50 = 0.500 = \frac{1}{2}$. Trailing zeros do not change the value.
- Choice A is correct. **(6.NS.4)** Distributive property: $10(3 + 9) = 10 \cdot 3 + 10 \cdot 9 = 30 + 90 = 120$. Choice A shows the expanded form.



Hi, Math Champion!

◇ You trained hard! 4 full practice tests is real practice. Your math game is way better now than when you started. ◇

★ **Coach's truth:** kids who practice get better. You practiced. You got better. That's how it works!
★

Your Game Stats

- **Energy:** HIGH! You can finish a long test.
- **Smart Plays:** You know lots of strategies.
- **Calm Head:** You stay cool with hard problems.
- **Game-Day Ready:** You feel strong and prepared.

Coach's tip: the night before the test, get good sleep. Eat a good breakfast. Bring a sharp pencil. Trust your training!

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

Jay Daie

Your Math Coach

PRACTICE TODAY. SUCCEED TOMORROW!

This book includes 4 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:

4 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
- ✓ Percents
- ✓ The Number System
- ✓ Statistics & Probability
- ✓ Expressions & Equations
- ✓ Data Analysis
- ✓ Geometry
- ✓ Measurement & Conversions
- ✓ Fractions & Decimals
- ✓ And More!



2 ONLINE TESTS

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



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