

5

Mississippi

MAAP

GRADE 6

MATH

PRACTICE TESTS

Standards Aligned Problem Solving
For Comprehensive Assessment Programs



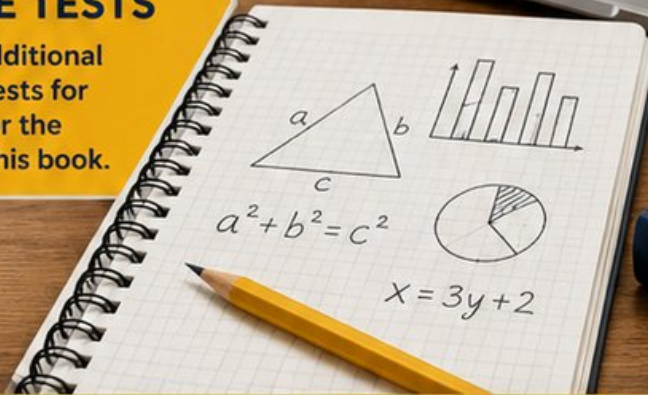
5 PRINTED TESTS

- ✓ Full-Length Practice Tests
- ✓ Realistic Questions
- ✓ Answer Key & Explanations



+ 2 ONLINE TESTS

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



PREPARE • PRACTICE • SUCCEED



5 Mississippi MAAP Grade 6 Math Practice Tests

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



Five 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 five 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 five-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 1–2	Foundation rounds for ratios, rational numbers, operations, and careful reading.
Tests 3–4	Skill-building rounds with expressions, equations, geometry, data, and problem models.
Test 5	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) What is $\frac{5}{8} \div \frac{5}{6}$?

- A. $\frac{25}{48}$
 B. 1

- C. $\frac{8}{6}$
 D. $\frac{3}{4}$

2)

Cups of Juice	1	2	3	4
Cost (\$)	2.50	5.00	7.50	10.00

What is the unit rate in dollars per cup?

- A. \$1.50 per cup
 B. \$2.00 per cup
 C. \$2.50 per cup
 D. \$5.00 per cup

3) Two maps have different scales. Map A uses 1 cm = 5 km and Map B uses 1 cm = 10 km. If the same road measures 4 cm on both maps, what is the actual road length according to each map?

- A. Map A: 20 km; Map B: 20 km
 B. Map A: 10 km; Map B: 20 km
 C. Map A: 20 km; Map B: 40 km
 D. Map A: 40 km; Map B: 20 km

4) Given a box plot with $Q_1 = 40$ and $IQR = 25$, find Q_3 .



9) Three students measured the ratio of pennies to dimes in their wallets:

- Student A: 4 pennies and 6 dimes
- Student B: 10 pennies and 15 dimes
- Student C: 8 pennies and 10 dimes

Which students have the same penny-to-dime ratio?

- A. Students A and B only C. Students B and C only
 B. Students A and C only D. All three students

10) A soccer team trains together. They cover 12 miles in $\frac{5}{2}$ hours. What is their unit rate in miles per hour?

- A. 2.4 mph C. 4.0 mph
 B. 3.0 mph D. 4.8 mph

11) A garden has roses and daisies in a 4 : 7 ratio. If there are 16 roses, how many daisies are there?

Roses	Daisies
4	7
8	14
16	?

- A. 26 C. 30
 B. 32 D. 28

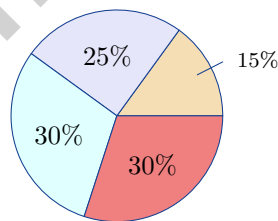


- 4) A submarine at -300 feet relative to sea level moves up 75 feet. What is its new depth?

- 5) A histogram displays test scores with a bell-shaped (normal) distribution. Where is the mean approximately located?

- A. At the left edge C. At the right edge
 B. At the center (peak) D. Outside the data range
- 6) A spinner is divided into 4 equal sections colored red, blue, green, and yellow. What is the probability of spinning red or blue?

- A. 0.25 C. 0.5
 B. 0.33 D. 0.75



7)

A circle graph shows expenses for a business. If the total budget is \$4000, how much is allocated to the 15% category?

- A. \$500 C. \$700
 B. \$800 D. \$600



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1) A teacher asks: “How many books did each student read last month?”

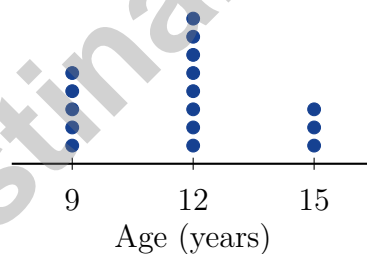
What is the sample in this scenario?

- A. All students in the entire state C. The number of books
 B. The students in the class who answered the question D. All books in the library

2) Sarah’s daily allowance for 4 days was \$8, \$10, \$6, \$12. What is her mean daily allowance?

- A. \$9 C. \$10
 B. \$9.50 D. \$8

3) A dot plot displays the ages of people visiting an ice cream shop. The dot plot shows 5 people aged 9 years old, 8 people aged 12 years old, and 3 people aged 15 years old. How many total people are represented in the dot plot?



- A. 16 C. 20
 B. 25 D. 18

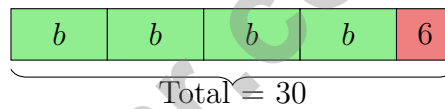


4) Two box plots represent Class A and Class B. Both have the same median, but Class A has a smaller box. What does this tell us about Class A?

- A. Class A has a higher average score.
- B. Class A has less variability in the middle 50% of data.
- C. Class A has all higher scores.
- D. Class A's median is not reliable.

5) A box plot for Dataset X shows $Q1 = 20$, median = 25, $Q3 = 35$. A box plot for Dataset Y shows $Q1 = 22$, median = 26, $Q3 = 32$. Which statement is true?

- A. Dataset X has a larger interquartile range.
- B. Dataset Y has a larger interquartile range.
- C. Both have the same interquartile range.
- D. The IQR cannot be compared.



6)

The bar model represents $4b + 6 = 30$. Find b .

7) A game spinner has 10 equal sections. If 4 sections are labeled “win,” what is the probability of winning?

- A. $\frac{1}{10}$
- B. $\frac{1}{2}$
- C. $\frac{1}{3}$
- D. $\frac{2}{5}$



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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.



Mississippi Practice Test Answers and Explanations

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

Practice Test 1 Answers and Explanations

- 1) **Choice D is correct.** **(6.NS.1)** $\frac{5}{8} \times \frac{6}{5} = \frac{30}{40} = \frac{3}{4}$.
- 2) **Choice C is correct.** **(6.RP.3d)** Divide cost by cups: $2.50 \div 1 = 2.50$ dollars per cup.
- 3) **Choice C is correct.** **(6.RP.3)** Map A: $4 \times 5 = 20$ km. Map B: $4 \times 10 = 40$ km.
- 4) **The correct answer is 65.** **(6.RP.1)** $Q_3 = Q_1 + IQR = 40 + 25 = 65$.
- 5) **Choice D is correct.** **(6.NS.5)** The difference is $180 - (-250) = 180 + 250 = 430$ meters.
- 6) **Choice D is correct.** **(6.NS.9)** The integers -7 and 7 are opposites, so $-7 + 7 = 0$.
- 7) **The correct answer is 8.** **(6.SP.5)** $Q_1 = 5$ and $Q_3 = 13$, so $IQR = 13 - 5 = 8$.
- 8) **Choice D is correct.** **(6.RP.1)** Count the purple counters first because the question says purple to yellow. There are 5 purple and 4 yellow, so the ratio is $5 : 4$.
- 9) **Choice A is correct.** **(6.RP.3)** Simplify each ratio: Student A has $4 : 6 = 2 : 3$, Student B has $10 : 15 = 2 : 3$, and Student C has $8 : 10 = 4 : 5$. Only A and B match.
- 10) **Choice D is correct.** **(6.RP.3b)** $12 \div \frac{5}{2} = 12 \times \frac{2}{5} = \frac{24}{5} = 4.8$ miles per hour.
- 11) **Choice D is correct.** **(6.RP.3)** The ratio is $4 : 7$. When roses are 16 (multiply by 4), daisies are $7 \times 4 = 28$.
- 12) **Choice C is correct.** **(6.RP.3a)** The ratios are: $\frac{65}{1} = 65$, $\frac{75}{2} = 37.5$, $\frac{85}{3} \approx 28.3$. The ratios are different, so this is not a proportional relationship. The line does not pass through the origin $(0, 0)$, which is required for proportionality.
- 13) **Choice B is correct.** **(6.RP.3c)** $50\% = \frac{50}{100} = 0.5$.
- 14) **Choice C is correct.** **(6.RP.3c)** 45% of $120 = 0.45 \times 120 = 54$ m².
- 15) **Choice B is correct.** **(6.RP.3)** 2 hours = 120 minutes = four 30-minute intervals. Distance: $25 \times 4 = 100$ miles.
- 16) **Choice D is correct.** **(6.RP.3d)** Divide: $2000 \div 1000 = 2$ liters.
- 17) **Choice C is correct.** **(6.NS.7d)** Total fixed expenses: $\$180 + \$60 + \$60 = \300 . Percentage of income: $\frac{\$300}{\$600} = \frac{1}{2} = 50\%$.
- 18) **Choice C is correct.** **(6.EE.9b)** The flour amount doubled from 3 cups to 6 cups. Keep the same ratio by doubling the eggs too: $2 \times 2 = 4$ eggs.
- 19) **The correct answer is 0.25.** **(6.NS.3)** One correct choice out of 4 possible choices. Probability = $\frac{1}{4} = 0.25$.
- 20) **Choice C is correct.** **(6.EE.9b)** Remaining percent: $100\% - 60\% = 40\%$ of the original budget.
- 21) **Choice B is correct.** **(6.NS.3)** Multiply: $2.5 \times 3 = 7.5$ kg.
- 22) **The correct answer is The center is the peak, and the mean, median, and mode are approximately equal.** **(6.SP.4)** For a symmetric, bell-shaped distribution, A is correct: the mean, median, and mode align at the center. B is correct: the classic bell curve peaks at the center and tails off symmetrically. C and D describe skewed distributions, and E would not be bell-shaped.
- 23) **Choice D is correct.** **(6.NS.4)** Factors of 9: 1, 3, 9. Factors of 12: 1, 2, 3, 4, 6, 12. Common factors: 1, 3. GCF is 3.
- 24) **Choice D is correct.** **(6.NS.6c)** Statement D is false. -1.5 is actually LESS than -1.4 (further to the left on the number line). The others are all true.
- 25) **Choice B is correct.** **(6.NS.8)** The origin is the intersection of the x -axis and y -axis, located at the coordinates $(0, 0)$.
- 26) **Choice B is correct.** **(6.NS.7d)** From least to most: $-100 < -15 < 250$.
- 27) **Choice D is correct.** **(6.NS.8)** The points share the x -coordinate, so the distance is the difference of the y -coordinates: $|3 - (-5)| = |3 + 5| = 8$ units.



Math Detective at Work

Hi, Math Detective!

◇ You did such a great job! You finished 5 tests like a real detective. You found the clues, used your tools, and solved the math. ◇

★ **Detectives know:** good work takes time. You took your time. You looked carefully. You found the answers! ★

Your Detective Skills

- **Sharp Eyes:** You notice the small details.
- **Smart Plans:** You pick the right way to solve.
- **Brave Heart:** You try even when it's tricky.
- **Steady Work:** You finish what you start.

Detective tip: on test day, look carefully at each problem. Underline important words. Then solve like the detective you are!

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

Jay Daie

Your Math Detective Helper

PRACTICE MORE. ACHIEVE MORE.

This book provides **5 full-length Math practice tests** designed to help Grade 6 students strengthen their skills, build confidence, and excel on standardized assessments.

Each test is carefully crafted to reflect the latest standards and covers a wide range of math topics with realistic questions and detailed answer explanations.



BUILD CONFIDENCE

Practice builds familiarity and reduces test anxiety.



IMPROVE ACCURACY

Sharpen skills and avoid common mistakes.



ACHIEVE SUCCESS

Consistent practice leads to greater results.

WHAT'S INSIDE?



5 Full-Length Practice Tests

Realistic tests designed to mirror actual exam conditions.



Realistic Questions

A variety of question types to strengthen problem-solving skills.



Answer Keys & Explanations

Detailed solutions to help students learn and improve.



Performance Tracking

Track progress and identify areas that need improvement.



Comprehensive Coverage

All essential topics aligned with Grade 6 math standards.



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SOLVE
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BRIGHTLY

PREPARE TODAY. **SUCCEED TOMORROW!**