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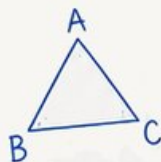
Mississippi MAAP

GRADE
6
MATH

PRACTICE TESTS

Standards-Aligned
Steady Southern
Problem Solving for
Comprehensive
Assessment Program

$$2x + 3 = 11$$



$$7^2 = 49$$

BUILD SKILLS.
GAIN CONFIDENCE.
SUCCEED!



6 PRINTED TESTS

Realistic practice to
build confidence
and mastery



2 ONLINE TESTS

Extra practice for
continued success



DETAILED ANSWER EXPLANATIONS

Learn with step-by-step
solutions



FOCUSED & EFFECTIVE

Target key math skills
with purposeful
practice



6 PRINTED TESTS + 2 ONLINE TESTS

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



PRACTICE

Sharpen skills
with targeted
practice tests



REVIEW

Understand
concepts and
strengthen skills



SUCCEED

Build confidence
and achieve
your best

6 Mississippi MAAP Grade 6 Math Practice Tests

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



Six 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 six 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 six-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 3–5	Skill-building rounds with expressions, equations, geometry, data, and problem models.
Test 6	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) Evaluate: $3^2 + 2 \times (5 - 1)$

A. 9

C. 25

B. 17

D. 40

2) An airline allows carry-on baggage with weight greater than 0 pounds but not exceeding 50 pounds. Which compound inequality represents the allowed weight w ?

A. $0 < w \leq 50$

C. $0 < w < 50$

B. $0 \leq w < 50$

D. $0 \geq w$ and $w \leq 50$

3) A scientist wants to study the sleeping habits of sixth graders. She surveyed 50 sixth graders. What is true about this study?

A. The population is all 50 sixth graders surveyed.

C. The population is the 50 sixth graders; there is no sample.

B. Both the population and sample are all sixth graders in the world.

D. The sample is the 50 sixth graders surveyed.

4) What is the reflection of $(-4, -5)$ across the x -axis?

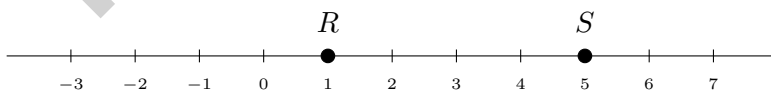
A. $(4, 5)$

C. $(4, -5)$

B. $(-4, 5)$

D. $(-4, -5)$

5)



If $R = 1$ and $S = 5$, which statement is true?

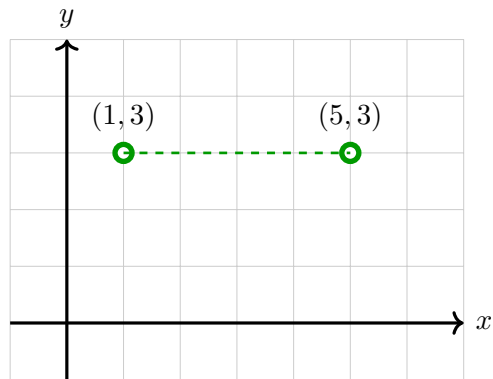
A. $R > S$

C. $R < S$

B. $S - R = 3$

D. $R + S = 5$





6)

What is the horizontal distance between (1, 3) and (5, 3)?

- A. 3 units C. 5 units
 B. 4 units D. 6 units

7) After distributing $5(x + 6)$, what is the constant term?8) What is $(-1) \times (-1) \times (-1) \times (-1) \times 8$?

- A. 8 C. 0
 B. -8 D. 1

9) A recipe calls for 3 cups of flour. Maya accidentally used 2 cups less. How much flour did she use?

- A. 5 cups C. 2 cups
 B. 1 cup D. -1 cup



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10) Which expression matches “the product of 2 and the sum of x and 4”?

A. $2x + 4$

C. $2x \cdot 4$

B. $2 + x + 4$

D. $2(x + 4)$

11) A rectangle has length ℓ and width 5. The area is 5ℓ square units. What are the factors of 5ℓ ?

A. 5 only

C. 5 and ℓ

B. ℓ only

D. 5ℓ only

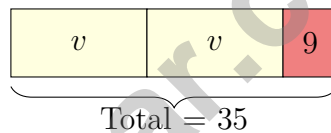
12) Evaluate $x^2 - 3x$ when $x = -2$.

A. -10

C. 2

B. -2

D. 10



13)

The bar model shows two equal parts of v and one part of 9. If the total is 35, what is the value of v ?

A. 13

C. 44

B. 26

D. 17.5

14) Solve for x : $6x = 36$

A. $x = 6$

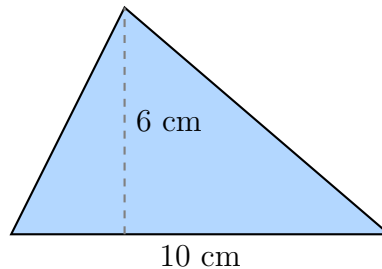
C. $x = 42$

B. $x = 30$

D. $x = 216$



- 1) What is the area of a triangle with base 10 cm and height 6 cm?



- A. 16 cm^2 C. 60 cm^2
 B. 30 cm^2 D. 120 cm^2
- 2) A teacher reports: “Most students scored between 75–85. A few students scored in the 60s, and one scored 95.” Which shape best describes this distribution?
- A. Symmetric C. Skewed left
 B. Bimodal D. Skewed right
- 3) A box plot shows the distribution of test scores. The line inside the box marks the:
- A. Mean C. Mode
 B. Range D. Median
- 4) Is this a statistical question? “What is the price of a loaf of bread at the grocery store?” Explain why or why not.



5) A five-number summary is: $\min = 2$, $Q_1 = 5$, $\text{median} = 8$, $Q_3 = 11$, $\max = 15$. What is the lower whisker length?

A. 2

C. 5

B. 3

D. 13

6) Which summary statistic is most resistant to outliers?

A. Mean

C. Range

B. Median

D. Standard deviation

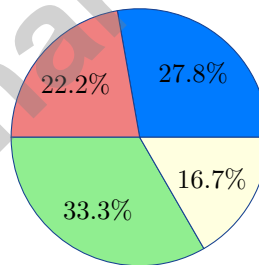
7) A container has 15 balls: 5 red, 4 blue, 3 yellow, and 3 green. If one ball is drawn at random, what is the probability it is **not** red?

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

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

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

D. $\frac{3}{5}$



8)

A circle graph displays 360 data points. Identify which section is closest to representing $\frac{1}{3}$ of the total.

A. The 27.8% section.

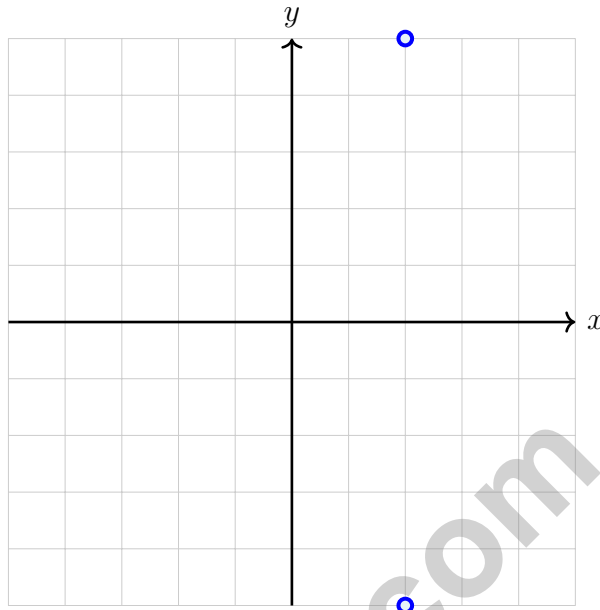
C. The 33.3% section.

B. The 22.2% section.

D. The 16.7% section.



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1)

Which transformation maps $(2, 5)$ to $(2, -5)$?

- A. Reflection over the y -axis
- B. Translation up
- C. Translation right
- D. Reflection over the x -axis

2) A car travels 225 miles on 9 gallons of gas. What is the fuel efficiency in miles per gallon?

- A. 20 miles per gallon
- B. 22 miles per gallon
- C. 25 miles per gallon
- D. 45 miles per gallon

3) Express 0.125 as a fraction and as a percent.

- A. $\frac{1}{8}$ and 12.5%
- B. $\frac{1}{4}$ and 25%
- C. $\frac{1}{2}$ and 50%
- D. $\frac{125}{1000}$ and 12.5%

4) A ribbon is $\frac{5}{6}$ yard long. You need pieces that are $\frac{1}{6}$ yard long. How many pieces can you cut?

A. 1

C. 5

B. 4

D. 6

5) Divide 7,020 by 30.

A. 234

C. 240

B. 230

D. 244

6) The mean of five numbers is 25. Four of the numbers are 20, 22, 28, 30. What is the fifth number?

7) What is the LCM of 10 and 15?

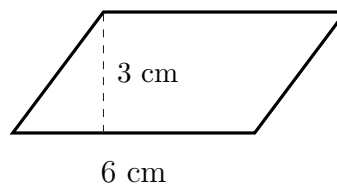
A. 30

C. 40

B. 25

D. 150

Parallelogram



8)

What is the area of the parallelogram?

A. 9 cm^2

C. 27 cm^2

B. 18 cm^2

D. 36 cm^2



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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 six 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.EE.1)** Work inside the parentheses first: $5 - 1 = 4$. Then exponent: $3^2 = 9$. Then multiply: $2 \times 4 = 8$. Finally add: $9 + 8 = 17$.
- 2) **Choice A is correct.** **(6.EE.8)** “Greater than 0” gives $w > 0$. “Not exceeding 50” means at most 50: $w \leq 50$. Together: $0 < w \leq 50$.
- 3) **Choice D is correct.** **(6.SP.2)** The 50 sixth graders represent the sample—the group actually surveyed. The population would be all sixth graders (the target group she wants to learn about).
- 4) **Choice B is correct.** **(6.NS.8)** Reflection across the x -axis changes the sign of the y -coordinate only. The point $(-4, -5)$ becomes $(-4, 5)$.
- 5) **Choice C is correct.** **(6.NS.7d)** $R = 1$ and $S = 5$, so $1 < 5$. Note: $S - R = 4$, not 3.
- 6) **Choice B is correct.** **(6.NS.8)** Same y -coordinate: $|5 - 1| = 4$ units.
- 7) **The correct answer is 30.** **(6.EE.3)** $5(x + 6) = 5x + 30$, so the constant term is 30.
- 8) **Choice A is correct.** **(6.NS.A)** Four negatives (even number) multiply to a positive: $(-1) \times (-1) \times (-1) \times (-1) = 1$. Then $1 \times 8 = 8$.
- 9) **Choice B is correct.** **(6.NS.9d)** Using less means: $3 - 2 = 1$ cup of flour.
- 10) **Choice D is correct.** **(6.EE.2a)** “The sum of x and 4” is $(x + 4)$. “The product of 2 and” that sum requires parentheses: $2(x + 4)$.
- 11) **Choice C is correct.** **(6.EE.2b)** In the product $5 \times \ell = 5\ell$, the two factors are 5 and ℓ .
- 12) **Choice D is correct.** **(6.EE.2c)** Substitute $x = -2$: $(-2)^2 - 3(-2) = 4 + 6 = 10$.
- 13) **Choice A is correct.** **(6.EE.6)** The bar shows $v + v + 9 = 2v + 9 = 35$. So $2v = 26$ and $v = 13$.
- 14) **Choice A is correct.** **(6.EE.5)** Divide both sides by 6: $x = 36 \div 6 = 6$.
- 15) **Choice D is correct.** **(6.EE.8)** “At most 3 weeks” means “less than or equal to 3 weeks,” so $w \leq 3$ (includes 3 weeks).
- 16) **Choice B is correct.** **(6.G.2)** $V = 5 \times 3 \times 0.5 = 15 \times 0.5 = 7.5 \text{ in}^3$.
- 17) **Choice B is correct.** **(6.G.3)** The parallel sides are at $y = 2$ and $y = 6$. Height = $6 - 2 = 4$ units.
- 18) **Choice D is correct.** **(6.G.1)** Base: $7 - 1 = 6$ units. Height: $5 - 1 = 4$ units. Area = $\frac{1}{2} \times 6 \times 4 = 12$ square units.
- 19) **The correct answer is $15 + 30$ and $5(9) = 45$.** **(6.NS.4)** $5(3 + 6) = 5 \cdot 3 + 5 \cdot 6 = 15 + 30 = 45$. Also, $5(3 + 6) = 5(9) = 45$. Thus Choices A and C are correct. Choice B gives 21, Choice D gives 19, and Choice E gives 54.
- 20) **Choice B is correct.** **(6.G.A)** A square face has 4 edges. These 4 edges form the boundary of the square and are shared with 4 adjacent faces on the cube.
- 21) **Choice B is correct.** **(6.RP.1)** The larger pizza has radius 7 in, so its area is about $3.14 \times 49 = 153.86 \text{ in}^2$. The smaller pizza has radius 5 in, so its area is about $3.14 \times 25 = 78.5 \text{ in}^2$. The difference is $153.86 - 78.5 = 75.36 \text{ in}^2$.
- 22) **Choice D is correct.** **(6.SP.2)** $\text{IQR} = Q_3 - Q_1 = 20 - 10 = 10$.
- 23) **Choice C is correct.** **(6.SP.5c)** Mean = $\frac{1.5 + 2.5 + 3.5 + 4.5}{4} = \frac{12}{4} = 3.5$. The dashed line marks the mean.
- 24) **Choice D is correct.** **(6.SP.4)** For a symmetric distribution, the mean and median are roughly equal, both clustering near the center peak at 35 years.
- 25) **Choice B is correct.** **(6.RP.1)** $\text{IQR} = Q_3 - Q_1 = 18 - 10 = 8$.
- 26) **Choice A is correct.** **(6.SP.5)** A smaller range indicates less spread and more consistency. Class X’s range of 8 is smaller than Class Y’s range of 12.
- 27) **The correct answer is 60.** **(6.EE.9)** The speed is $\frac{\text{distance}}{\text{time}}$. From the table, $\frac{60 \text{ mi}}{1 \text{ h}} = 60 \text{ mph}$; or $\frac{180 \text{ mi}}{3 \text{ h}} = 60 \text{ mph}$. The constant rate of change is 60 miles per hour.



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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 6 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 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 6 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.

6
PRINTED
TESTS

+
2
ONLINE
TESTS

PERFECT FOR:

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

★ BUILD SKILLS.
GAIN CONFIDENCE.
SUCCEED!

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.



6 FULL-LENGTH
PRINTED TESTS



2 ONLINE
PRACTICE TESTS



DETAILED ANSWER
EXPLANATIONS