

7

Mississippi

MAAP

GRADE 4 MATH

PRACTICE TESTS

Standards-Aligned Review with
Mixed Practice and Answer Key



$$\begin{array}{r} 25 \\ +37 \\ \hline 62 \end{array}$$

$$\begin{array}{r} 8 \times 7 \\ = \\ 56 \end{array}$$



7 Full-Length
Practice Tests



Standards-
Aligned



Build Confidence
and Skills



Mixed Question
Types

**ANSWER
KEY**

INCLUDED

7 Mississippi MAAP Grade 4 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Seven complete 30-question Grade 4 practice rounds for MAAP, built around river stories, magnolia shade, and careful step writing, with answer keys and clear explanations for every item.

Jay Daie and Reza Nazari



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Welcome, Mississippi Math Explorer!

Seven steady rounds on the Magnolia State math route

This book gives you seven full Grade 4 practice tests for MAAP. Each round uses river stories, magnolia shade, and careful step writing to keep practice memorable while you read carefully, choose a strategy, show work, and check the answer.

Mississippi Practice Promise

I will slow down for the question, circle what matters, solve one step at a time, and use mistakes as clues for getting stronger.

Read

Plan

Check

How to Use This Book

A ten-session routine for Mississippi MAAP review

1. **Preview the skills.** Read the quick review pages before the first test.
2. **Take one test at a time.** Treat each round like a stop on the Magnolia State math route.
3. **Mark your confidence.** Put a small star beside problems you solved with a strong plan.
4. **Check, then retry.** For missed questions, try the problem again before reading the explanation.
5. **Track your next move.** Use the growth log to name one habit and one skill for the next test.

Good rhythm: Test one day, correct carefully the next day, then return for the next round when your corrections feel clear.



What Is Inside?

Seven tests, 210 questions, and a full MAAP review path

| Part | What You Will Practice |
|--------------|---|
| Tests 1–3 | Warm-up rounds for reading carefully, choosing operations, and using models. |
| Tests 4–6 | Skill-building rounds with fractions, measurement, area, data, and two-step problems. |
| Tests 5–7 | Stamina rounds for mixed review, neat work, and flexible strategies. |
| Answer Pages | Compact keys and explanations that show why each answer works. |

The tests are mixed on purpose. Real test readiness means recognizing the skill even when the next question changes topic.



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& answers

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1) What is $8\frac{3}{4} - 5\frac{1}{4}$?

A. $2\frac{2}{4}$

B. $3\frac{1}{4}$

C. $3\frac{2}{4}$

D. $4\frac{1}{4}$

2) What is $\frac{6}{10} + \frac{20}{100}$?

A. $\frac{26}{100}$

B. $\frac{80}{100}$

C. $\frac{26}{110}$

D. $\frac{62}{100}$

3) Lily saw a pie divided into 9 equal slices. She took 4 slices. Which correctly shows this fraction as a sum of unit fractions?

A. $\frac{1}{9} + \frac{1}{9} + \frac{1}{9} + \frac{1}{9}$

B. $\frac{4}{9} + \frac{5}{9}$

C. $\frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4}$

D. $\frac{9}{9}$

4) A container has a mass of 5 kg. If Isabella adds $2\frac{1}{2}$ kg of apples and $1\frac{1}{2}$ kg of oranges, what is the total mass?

A. 7 kg

B. 8 kg

C. 9 kg

D. 10 kg

5) A fraction bar is divided into 6 equal parts with 4 parts shaded. Express this as a multiplication of a unit fraction.

A. $4 \times \frac{1}{6}$

B. $6 \times \frac{1}{4}$

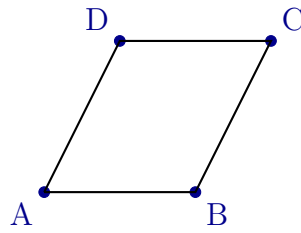
C. $2 \times \frac{1}{6}$

D. $6 \times \frac{1}{6}$



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6) How many vertices are shown in this figure?



- A. 2 vertices C. 4 vertices
 B. 3 vertices D. 5 vertices

7) What is 39,845 rounded to the nearest ten thousand?

- A. 30,000 C. 40,000
 B. 39,000 D. 50,000

8) When a student computed $3 \times \frac{2}{5}$, they wrote $\frac{5}{5}$. What is the student's likely mistake?

- A. Added $3 + 2$ instead of multiplying 3×2
 B. Changed the denominator from 5 to 10
 C. Correctly simplified the product
 D. Counted the units incorrectly

9) Which letter has 2 lines of symmetry?

- A. *E* C. *P*
 B. *X* D. *Q*



10) In the number 3,456, the digit 5 is in which place?

- A. Ones place C. Hundreds place
 B. Thousands place D. Tens place

11) A toy store has 45 toy cars. They receive 15 more cars. Then they sell 20 cars. How many cars are left?

- A. 30 C. 25
 B. 35 D. 40

12) A line plot shows plant heights in halves of an inch. The measurements are: $\frac{1}{2}$ in, 1 in, $\frac{1}{2}$ in, $\frac{3}{2}$ in, 1 in, 1 in. How many X marks should be placed at 1 inch on the line plot?



13) Mia had a ribbon that was $\frac{7}{10}$ meter long. She cut off $\frac{3}{10}$ meter for a craft project. How much ribbon was left?

- A. $\frac{4}{10}$ C. $\frac{3}{10}$
 B. $\frac{10}{10}$ D. $\frac{10}{20}$

14) Mia receives $\frac{3}{4}$ dollar as allowance each week. How much allowance does she receive after 2 weeks?

- A. $\frac{3}{8}$ dollars C. $1\frac{1}{2}$ dollars
 B. $\frac{5}{4}$ dollars D. $\frac{2}{4}$ dollars



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1) A pattern of tiles is shown:



Figure 1



Figure 2



Figure 3

How many tiles are in Figure 7?

A. 12

C. 16

B. 18

D. 14

2) A park has 50 trees. Another park has 2 times as many trees. How many trees does the other park have?

A. 52

C. 150

B. 75

D. 100

3) Simplify $\frac{5}{10}$ by dividing both numerator and denominator by 5. What fraction do you get?

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

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

B. $\frac{1}{5}$

D. $\frac{0}{5}$

4) Which list is ordered correctly from least to greatest?

A. 0.7, 0.67, 0.77, 0.6

C. 0.77, 0.7, 0.67, 0.6

B. 0.6, 0.67, 0.7, 0.77

D. 0.67, 0.6, 0.7, 0.77

5) A rope measures 1,200 centimeters. How many meters is this?

A. 12

C. 1,200

B. 120

D. 120,000



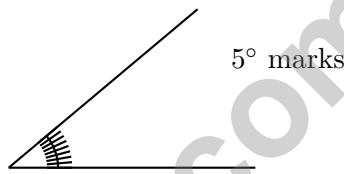
6) Which is NOT a multiple of $\frac{1}{6}$?

- A. $\frac{3}{6}$
 B. $\frac{2}{6}$

- C. $\frac{2}{5}$
 D. $\frac{5}{6}$

7) A fan blade rotates $\frac{7}{12}$ of a full turn. What is the angle measurement in degrees?

8)



This angle is marked from 0° to 40° . What is the measure?

- A. 40°
 B. 39°

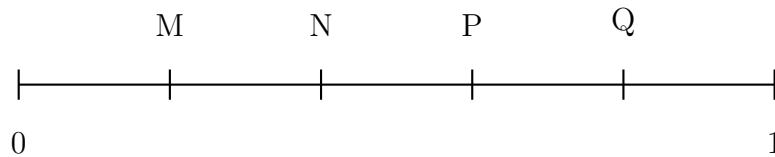
- C. 41°
 D. 8 one-degree angles

9) Which expression equals 1?

- A. $\frac{2}{5} + \frac{2}{5}$
 B. $\frac{2}{3} + \frac{2}{3}$

- C. $\frac{5}{6} + \frac{1}{6}$
 D. $\frac{3}{4} + \frac{2}{4}$

10) Which letter shows the location of 0.8 on the number line?



- A. At M
 B. At N

- C. At P
 D. At Q



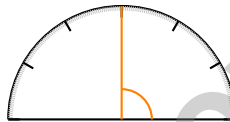
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1) Noah's plant is 0.6 meters tall. Which fraction shows this height?

- A. $\frac{6}{100}$ meters C. $\frac{60}{10}$ meters
 B. $\frac{6}{10}$ meters D. $\frac{600}{10}$ meters

2) Ray AB starts at point:

- A. Any point between A and B C. Point A
 B. Point B D. The middle of the line



3)

Sam uses a protractor to measure an angle. The angle lines up exactly with the 90-degree mark. What type of angle is this?

- A. Right angle C. Obtuse angle
 B. Straight angle D. Acute angle

4) Divide both the numerator and denominator of $\frac{12}{16}$ by 4. What fraction do you get?

- A. $\frac{8}{12}$ C. $\frac{6}{8}$
 B. $\frac{4}{12}$ D. $\frac{3}{4}$

5) How many copies of $\frac{1}{6}$ are in $\frac{5}{6}$?

- A. 1 C. 6
 B. 5 D. $\frac{1}{5}$

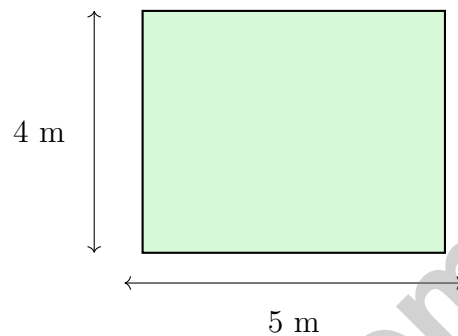


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6) Isabella baked $4\frac{1}{2}$ trays of cookies. She sold $1\frac{1}{2}$ trays. How many trays of cookies does she have left?

- A. $2\frac{1}{2}$
 B. $5\frac{2}{2}$

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



7)

What is the area of the shaded rectangle above?

- A. 9 sq m
 B. 18 sq m

- C. 20 sq m
 D. 25 sq m

8) Which inequality is correct?

- A. $\frac{6}{12} < \frac{9}{12}$
 B. $\frac{6}{12} > \frac{9}{12}$

- C. $\frac{6}{12} = \frac{9}{12}$
 D. $\frac{9}{12} < \frac{6}{12}$

9) Ava reads 8 pages a day for 12 days. Noah reads 10 pages a day for 9 days. How many more pages does Ava read than Noah?

- A. 2 pages
 B. 18 pages

- C. 26 pages
 D. 6 pages



Practice Test Answer Keys

How to use this section with a Grade 4 student:

1. check the answer first
2. mark questions to try again
3. rework the problem before reading the full explanation

A calm correction routine turns every missed item into useful practice.

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Practice Test Answers and Explanations

Practice Test 1 Answers and Explanations

- Choice C is correct.** (4.NF.3) Subtract the wholes: $8 - 5 = 3$. Subtract the fractions: $\frac{3}{4} - \frac{1}{4} = \frac{2}{4}$. The difference is $3\frac{2}{4}$.
- Choice B is correct.** (4.NF.5) First, convert $\frac{6}{10}$ to hundredths: $\frac{6}{10} = \frac{60}{100}$. Then add: $\frac{60}{100} + \frac{20}{100} = \frac{80}{100}$.
- Choice A is correct.** (4.NF.3) Lily took 4 slices out of 9 equal slices, which is $\frac{4}{9}$. Breaking it into unit fractions: $\frac{4}{9} = \frac{1}{9} + \frac{1}{9} + \frac{1}{9} + \frac{1}{9}$ —four unit fractions of ninths.
- Choice C is correct.** (4.MD.2) Step 1: Add the fruit: $2\frac{1}{2} + 1\frac{1}{2} = 4$ kg. Step 2: Add the container: $5 + 4 = 9$ kg. The total mass is 9 kilograms.
- Choice A is correct.** (4.NF.4) Count the shaded parts: 4 parts. Count the equal parts: 6 total. So this shows 4 copies of $\frac{1}{6}$, which we write as $4 \times \frac{1}{6}$.
- Choice C is correct.** (4.G.1) A vertex is a corner where two sides come together. This four-sided figure has four corners, so it has four vertices.
- Choice C is correct.** (4.NBT.3) We're rounding to the nearest ten thousand. Look at the thousands digit: 9. Since $9 \geq 5$, we round UP! The ten thousands digit changes from 3 to 4, giving us **40,000**. ✓
- Choice A is correct.** (4.NF.4) $3 \times \frac{2}{5}$ means 3 groups of $\frac{2}{5}$. The numerator is $3 \times 2 = 6$, not $3 + 2$. So the correct answer is $\frac{6}{5}$.
- Choice B is correct.** (4.G.3) The letter X is like two lines crossing. Both diagonal directions (from top-left to bottom-right, and from top-right to bottom-left) create matching halves. The answer is letter X.
- Choice D is correct.** (4.NBT.2) Reading from right to left: ones, tens, hundreds, thousands. The 5 is in the tens place ✓
- Choice D is correct.** (4.OA.3) Two steps! Step 1: add the new cars: $45 + 15 = 60$ cars. Step 2: take away the ones sold: $60 - 20 = 40$ cars left.
- The correct answer is 3.** (4.MD.4) Count how many times 1 inch (which is $\frac{2}{2}$ inch) appears in our measurements: 1, 1, 1 = **3** times.
- Choice A is correct.** (4.NF.3) The ribbon was cut, so we subtract the cut part from the total. $\frac{7}{10} - \frac{3}{10} = \frac{4}{10}$ meter of ribbon left.
- Choice C is correct.** (4.NF.4) In 2 weeks, Mia receives her allowance twice. So we have $2 \times \frac{3}{4} = \frac{6}{4}$ dollars, which simplifies to $1\frac{1}{2}$ dollars.
- Choice A is correct.** (4.G.2) The arrows clearly mark exactly one pair of parallel sides, which is the defining characteristic of a trapezoid. The other two sides are not parallel. The answer is A.
- The correct answer is A, D.** (4.MD.7) B is wrong ($125^\circ - 50^\circ = 75^\circ$). C is wrong ($360^\circ \div 4 = 90^\circ$). E is wrong ($90^\circ - 30^\circ = 60^\circ$).
- Choice A is correct.** (4.MD.5) Counting the one-degree angle marks from 0° to 45° gives us **45**.
- Choice C is correct.** (4.NF.1) Check each against $\frac{1}{2}$: $\frac{3}{5} > \frac{1}{2}$, $\frac{3}{6} = \frac{1}{2}$, $\frac{4}{6} > \frac{1}{2}$. But $\frac{2}{5} < \frac{1}{2}$ because $\frac{2}{5} = \frac{4}{10} < \frac{5}{10} = \frac{1}{2}$.
- The correct answer is 96 sq in.** (4.MD.3) Poster area = $12 \times 8 = 96$ sq in.
- Choice C is correct.** (4.OA.4) For both numbers to be factors, both must divide 36 evenly. Check: $36 \div 6 = 6$ ✓ and $36 \div 9 = 4$ ✓. Choice A: 8 doesn't divide 36 ($36 \div 8 = 4\text{ r } 4$); choice B: 7 doesn't divide 36; choice D: 8 doesn't divide 36.
- Choice B is correct.** (4.NF.5) 0.4 sits right in the middle: it's bigger than 0.3 but smaller than 0.5.
- Choice D is correct.** (4.OA.2) We know Jasmine's 20 stickers are 4 times the friend's amount. To find the smaller amount, divide: $20 \div 4 = 5$ stickers.
- The correct answer is 77° .** (4.MD.5) The label gives the angle measure: **77°** .
- Choice A is correct.** (4.NBT.5) Split both: $24 = 20 + 4$ and $19 = 10 + 9$. This creates four areas: $20 \times 10 = 200$, $4 \times 10 = 40$, $20 \times 9 = 180$, $4 \times 9 = 36$. Choice A is correct.
- Choice D is correct.** (4.NBT.1) Moving the digit 4 from tens (40) to thousands (4,000) increases its value by the ratio $4,000 \div 40 = 100$ times. ✓



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Math Detective at Work

Hi, Math Detective!

◇ You did such a great job! You finished 7 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.

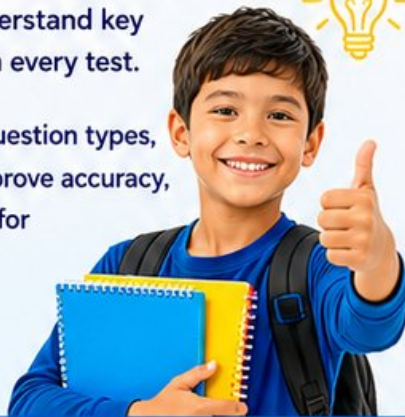
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Your Math Detective Helper

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★ CONFIDENCE IN MATH.
SUCCESS FOR LIFE.

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.



Test Confidence

Become familiar with test-style questions and formats.



Track Progress

Measure growth across multiple practice tests.



Academic Success

Strengthen skills needed for future learning.

$$\begin{array}{r} 45 \\ -17 \\ \hline 28 \end{array}$$



$$7 \times 8 = 56$$

TOPICS COVERED

- ✓ Place Value & Number Sense
- ✓ Multi-Digit Addition & Subtraction
- ✓ Multiplication & Division
- ✓ Fractions & Equivalent Fractions
- ✓ Decimals & Comparing Numbers
- ✓ Geometry & Shapes
- ✓ Measurement & Data
- ✓ Perimeter & Area
- ✓ Word Problems
- ✓ Patterns & Algebraic Thinking
- ✓ Graphs & Data Interpretation
- ✓ And More!



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Answer Key Included