

6 Mississippi MAAP

GRADE 4 MATH PRACTICE TESTS

Standards-Aligned Review with
Mixed Practice and Answer Key



MASTER KEY MATH CONCEPTS
BUILD CONFIDENCE FOR TEST DAY

INCLUDES COMPREHENSIVE ANSWER KEY
ALIGNED STATE STANDARDS

6 Mississippi MAAP Grade 4 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Six 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!

Six steady rounds on the Magnolia State math route

This book gives you six 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?

Six tests, 180 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 4–6	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.



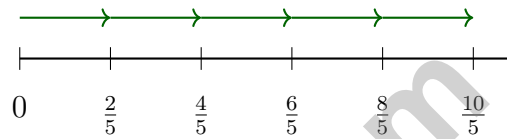
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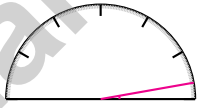
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- 1) Ava eats 3 of 8 equal pizza slices. What fraction of the pizza did she eat?

- 2) A number line shows hops of $\frac{2}{5}$. How many hops to reach $\frac{10}{5}$?



- A. 2 hops C. 4 hops
 B. 3 hops D. 5 hops
- 3) 
- Mia measures a very small angle. Which of these is most likely the degree measure?
- A. 45 degrees C. 10 degrees
 B. 100 degrees D. 175 degrees
- 4) A rectangular field has a perimeter of 80 meters. The length is 25 meters. What is the width?
- A. 10 m C. 20 m
 B. 15 m D. 55 m



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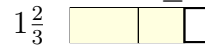
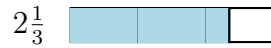
5) Which is a correct way to decompose $\frac{10}{12}$?

A. $\frac{5}{12} + \frac{4}{12}$

B. $\frac{4}{12} + \frac{7}{12}$

C. $\frac{3}{12} + \frac{3}{12} + \frac{3}{12}$

D. $\frac{2}{12} + \frac{2}{12} + \frac{2}{12} + \frac{2}{12} + \frac{2}{12}$



6)

Using the bar models shown, what is $2\frac{1}{3} - 1\frac{2}{3}$?

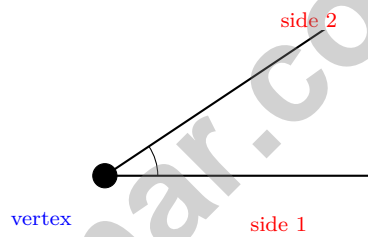
A. $\frac{2}{3}$

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

C. 1

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

7)



In the angle shown, which part is labeled in blue?

A. A side

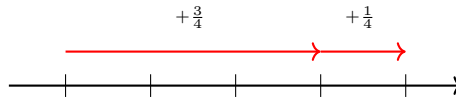
B. The vertex

C. The interior

D. A ray

8) A straight angle of 180° is divided into five equal parts. What is the measure of each part?

9) Which number line shows $\frac{3}{4} + \frac{1}{4} = 1$?

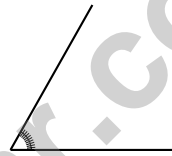


- A. Starts at 0, hops to $\frac{1}{2}$
 C. Starts at $\frac{1}{4}$, hops to 1
 B. Starts at 0, hops to $\frac{3}{4}$, then to 1
 D. Starts at $\frac{1}{2}$, hops to 1

10) Diego has 6 stickers. Each sticker is $\frac{1}{2}$ inch long. What is the total length of all his stickers?

- A. $\frac{6}{2}$ inches or 3 inches
 C. $\frac{6}{12}$ inch
 B. $\frac{1}{12}$ inch
 D. $\frac{7}{2}$ inches

11)



The angle spans 60° . How many one-degree angles make this angle?

- A. 60°
 C. 60 one-degree angles
 B. 30 one-degree angles
 D. 120 one-degree angles

12) A grain of rice weighs $\frac{1}{12}$ ounce. How much do 10 grains weigh?

- A. $\frac{1}{120}$ ounce
 C. $\frac{12}{10}$ ounces
 B. $\frac{10}{12}$ ounce
 D. $\frac{10}{120}$ ounce



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1) Complete the equation: $7 \times \frac{1}{\underline{\quad}} = \frac{7}{9}$

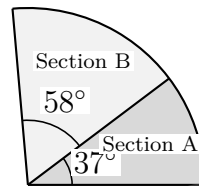
A. 7

C. 9

B. 2

D. 16

2) A bakery cuts a pizza into sections. Section A is 37° and Section B is 58° . If these two sections are combined, what angle do they form?



A. 95°

C. 21°

B. 58°

D. 135°

3) How many $\frac{1}{3}$ are there in the expression $\frac{1}{3} + \frac{1}{3} + \frac{1}{3} + \frac{1}{3} + \frac{1}{3} + \frac{1}{3}$?

A. 3

C. 9

B. 6

D. 12

4) Which bar model shows “15 is 3 times as many as 5”?



A: 3 groups



B: 2 groups

A. Neither model works

C. Both are the same

B. Model B

D. Model A



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- 5) Kai has $\frac{5}{8}$ of a chocolate bar. She gives $\frac{2}{8}$ to her friend. How much does she have left?



Kai has $\frac{5}{8}$
 $\frac{5}{8} - \frac{2}{8} = ?$

Gives $\frac{2}{8}$ away

- A. $\frac{1}{8}$
 C. $\frac{7}{8}$
 B. $\frac{3}{8}$
 D. $\frac{2}{8}$
- 6) Which part of an angle is the point where the two rays meet?
- A. The side
 C. The arc
 B. The vertex
 D. The exterior
- 7) Which decomposition of $\frac{9}{10}$ is correct?
- A. $\frac{4}{10} + \frac{5}{10}$
 C. $\frac{2}{10} + \frac{8}{10}$
 B. $\frac{3}{10} + \frac{5}{10}$
 D. $\frac{5}{10} + \frac{5}{10}$
- 8) A carton of milk contains 2 pints. How many fluid ounces is this?
- A. 16
 C. 64
 B. 32
 D. 128



1) Which fraction equals $6 \times \frac{1}{8}$?

- A. $\frac{1}{8}$
 B. $\frac{6}{8}$

- C. $\frac{6}{48}$
 D. $\frac{1}{48}$

2) Olivia uses 9 yards of string for her craft project. How many feet is this?

- A. 18
 B. 27

- C. 36
 D. 45

3) Which fraction is NOT equal to $\frac{10}{100}$?

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

- C. $\frac{20}{200}$
 D. $\frac{5}{50}$

4) A common mistake when adding $\frac{1}{3} + \frac{1}{3}$ is to get $\frac{2}{6}$. Why is this wrong?

- A. You should add the denominators.
 B. The correct answer is $\frac{2}{3}$, not $\frac{2}{6}$.
 C. $\frac{2}{6}$ is larger than $\frac{2}{3}$.

- D. You must change the denominators first.

5) A pattern shows every third multiple of 4. Which list shows this pattern?

- A. 4, 8, 12, 16, 20
 B. 8, 16, 24, 32, 40

- C. 4, 12, 20, 28, 36
 D. 12, 24, 36, 48, 60

6) Which attribute is true for a square?

- A. Four equal sides and four right angles
 B. Three angles and three sides

- C. One pair of parallel sides
 D. Four different side lengths



7) Which shows a correct comparison?

A. $0.50 > 0.51$

B. $0.50 < 0.51$

C. $0.50 = 0.51$

 D. 0.51 is less than 0.50

8) Find the quotient: $3,192 \div 8$.

A. 399

B. 389

C. 379

D. 369

9) A bookstore sells 12 new books per day for 15 days. The store also has 18 older books on a display shelf. Not counting the older books, how many new books did the bookstore sell?

A. 120

B. 198

C. 200

 D. 180 books

10) Which number rounds to 5,000 when rounded to the nearest thousand?

A. 4,499

B. 4,449

C. 5,550

D. 5,450

11) Which numeral represents “five thousand, two hundred thirty-four”?

A. 52,340

B. 5,324

C. 523,400

D. 5,234

12) A paper is folded. The fold creates an angle of 70° . Another fold creates an angle of 20° . If both folds meet at the same point, what is the combined angle measure?

A. 50°

B. 90°

C. 100°

D. 140°



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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

- The correct answer is $\frac{3}{8}$.** (4.NF.3) Ava ate 3 slices out of 8, which is $\frac{3}{8}$. Breaking this into unit fractions: $\frac{1}{8} + \frac{1}{8} + \frac{1}{8}$.
- Choice D is correct.** (4.NF.4) Each hop is $\frac{2}{5}$. To reach $\frac{10}{5}$, we need $5 \times \frac{2}{5} = \frac{10}{5}$, so it takes 5 hops.
- Choice C is correct.** (4.MD.6) A very small angle is acute, opening just a tiny amount from the baseline. 10° is very close to 0° and matches this narrow angle perfectly. The other choices open much wider. The answer is **10** degrees.
- Choice B is correct.** (4.MD.3) Using $P = 2\ell + 2w = 80$ with $\ell = 25$: $2(25) + 2w = 80$. Simplify: $50 + 2w = 80$, so $2w = 30$, thus $w = 15$ m.
- Choice D is correct.** (4.NF.3) Option D has five pieces: $\frac{2}{12} + \frac{2}{12} + \frac{2}{12} + \frac{2}{12} + \frac{2}{12}$. Count: $2 + 2 + 2 + 2 + 2 = 10$, so we get $\frac{10}{12}$ ✓.
- Choice A is correct.** (4.NF.3) Since $\frac{1}{3} < \frac{2}{3}$, regroup: $2\frac{1}{3} = 1\frac{4}{3}$. Subtract the wholes: $1 - 1 = 0$. Subtract the fractions: $\frac{4}{3} - \frac{2}{3} = \frac{2}{3}$.
- Choice B is correct.** (4.MD.5) The blue label marks the vertex—the point where the two sides (rays) meet.
- The correct answer is 36.** (4.MD.7) Split the straight angle equally into five parts: $180^\circ \div 5 = 36^\circ$.
- Choice B is correct.** (4.NF.3) Starting at 0, the first hop goes right by $\frac{3}{4}$. The second hop adds $\frac{1}{4}$ more, landing exactly at 1. That's $\frac{3}{4} + \frac{1}{4} = 1$.
- Choice A is correct.** (4.NF.4) Diego has 6 stickers, each $\frac{1}{2}$ inch long. Multiply: $6 \times \frac{1}{2} = \frac{6 \times 1}{2} = \frac{6}{2} = 3$ inches. The answer is **3** inches.
- Choice C is correct.** (4.MD.5) The angle spans a measure of 60° , so it contains **60** one-degree angles.
- Choice B is correct.** (4.NF.4) Ten grains of rice, each weighing $\frac{1}{12}$ ounce, weigh $10 \times \frac{1}{12} = \frac{10}{12}$, which simplifies to $\frac{5}{6}$ ounce.
- Choice D is correct.** (4.NBT.4) In the ones place: $0 < 8$, so regrouping is needed. The tens place is zero, so we must regroup from the hundreds place.
- Choice C is correct.** (4.G.2) A right triangle is identified by its one right angle, which measures exactly 90 degrees. The other two angles must be acute. The answer is **C**.
- The correct answer is B, C.** (4.OA.1) Equations that show “2 times as many” have 2 as a factor in the multiplication. Choice B ($10 = 2 \times 5$) and choice C ($14 = 2 \times 7$) both do. Choices A and D show addition (not multiplication), and choice E has 6 as the multiplier, not 2.
- Choice A is correct.** (4.NF.1) Convert to common denominator: $\frac{1}{4} = \frac{2}{8}$. Since $\frac{3}{8} > \frac{2}{8}$, Maya ate more.
- Choice A is correct.** (4.NF.5) This number line zooms in from 0.30 to 0.40, counting by hundredths. The dot lands on 0.38.
- Choice D is correct.** (4.OA.3) Three steps! Step 1: notebooks in the packs: $3 \times 12 = 36$. Step 2: add the gift: $36 + 6 = 42$. Step 3: share equally: $42 \div 6 = 7$ notebooks for each student.
- Choice A is correct.** (4.NF.1) Multiply the numerator and denominator by 2: $\frac{3}{5} = \frac{3 \times 2}{5 \times 2} = \frac{6}{10}$.
- Choice A is correct.** (4.NBT.5) Split 22: $19 \times (20 + 2) = 380 + 38 = 418$.
- Choice A is correct.** (4.NBT.6) Divide: $12 \div 8 = 1$ r4, bring down the 4 to get $44 \div 8 = 5$ r4, bring down the 8 to get $48 \div 8 = 6$. Each guest gets **156** cookies.
- The correct answer is 8,000.** (4.NBT.2) The digit 8 occupies the thousands place. Its value: $8 \times 1,000 = 8,000$ ✓
- Choice C is correct.** (4.MD.4) Look at the line plot where $\frac{3}{8}$ is marked. Count the X marks stacked above it: there are **3** marks.
- Choice C is correct.** (4.MD.1) Since 1 decimeter = 10 centimeters, multiply: $8 \times 10 = 80$ cm. The answer is **80** cm.
- Choice A is correct.** (4.G.1) Every line segment has exactly two endpoints — the places where it starts and stops. Here that's X and Y.
- Choice D is correct.** (4.NBT.1) The digit 6 in the hundreds place is worth 600; in the thousands place, it's worth 6,000. The increase factor is $6,000 \div 600 = 10$. ✓
- Choice C is correct.** (4.NF.5) The cost is \$0.32, which equals thirty-two cents or $\frac{32}{100}$ of a dollar.



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Hi, Math Champion!

◇ You trained hard! 6 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 **Grade 4 Math Practice Tests** book is the perfect tool to help students strengthen their math skills, master important concepts, and build confidence for test success.

With 6 full-length practice tests, a variety of question types, and detailed answer explanations, students get the review and practice they need to improve accuracy, develop critical thinking, and achieve their best.

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

PERFECT FOR:

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

★ **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.



Master Key Concepts

Reinforce important skills aligned with grade-level standards.



Prepare for Success

Build the confidence needed to do your best on test day.

TOPICS COVERED

- ✔ Place Value & Number Sense
- ✔ Addition & Subtraction
- ✔ Multiplication & Division
- ✔ Fractions & Equivalent Fractions
- ✔ Decimals
- ✔ Geometry & Measurement
- ✔ Perimeter & Area
- ✔ Data, Graphs & Line Plots
- ✔ Patterns & Algebraic Thinking
- ✔ And More!



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Prepares Students for Test Day Success