

8

Mississippi

MAAP

GRADE 4

PRACTICE TESTS



1

$$2 \times 3 = 6$$

3

5

$$2 \times 3 = 6$$

2

4



**Standards-Aligned Review with
Mixed Practice and Answer Key**

**COMPREHENSIVE
TEST PREP**

Includes Solutions

8 Mississippi MAAP Grade 4 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Eight 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!

Eight steady rounds on the Magnolia State math route

This book gives you eight 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?

Eight tests, 240 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 6–8	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.

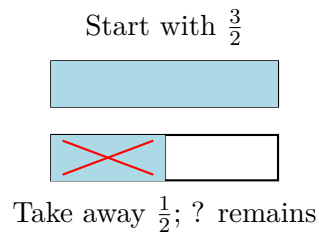


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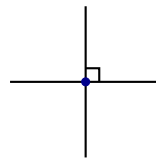
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1) What is $\frac{3}{2} - \frac{1}{2}$?



- A. $\frac{2}{4}$ C. $\frac{1}{2}$
 B. $\frac{2}{2}$ or 1 D. $\frac{4}{2}$
- 2) A straight angle of 180° is divided into four equal angles. What is the measure of each angle?
- A. 45° C. 36°
 B. 90° D. 60°
- 3) Two perpendicular lines intersect. How many right angles are formed?

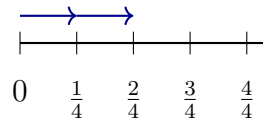


- A. 1 right angle C. 3 right angles
 B. 2 right angles D. 4 right angles



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4) How many hops of $\frac{1}{4}$ are shown to reach $\frac{2}{4}$?

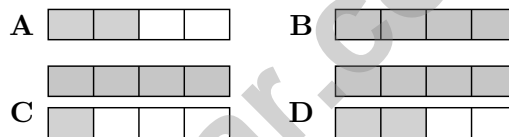


- A. 1 hop C. 3 hops
 B. 2 hops D. 4 hops

5) A running path is 4 kilometers long. How many meters is this?

- A. 40 C. 4,000
 B. 400 D. 40,000

6) Which model shows 6 unit fractions of $\frac{1}{4}$ that equal $\frac{6}{4}$?



- A. Picture A C. Picture C
 B. Picture B D. Picture D

7) Noah bought $\frac{8}{10}$ pound of strawberries and $\frac{15}{100}$ pound of blueberries. How many pounds of berries did he buy in total?

- A. $\frac{23}{110}$ pound C. $\frac{95}{100}$ pound
 B. $\frac{8}{15}$ pound D. $\frac{23}{100}$ pound

8) An isosceles trapezoid has how many lines of symmetry?

A. 0

C. 2

B. 1

D. 4

9) A full turn around a circle measures how many degrees?

A. 90°

C. 270°

B. 180°

D. 360°

10) Isha ran 0.86 miles. Patel ran 0.68 miles. Who ran farther?

A. Isha (0.86 miles)

C. They ran the same distance

B. Patel (0.68 miles)

D. Patel ran much farther

11) There are 144 meters of rope to cut into 12 equal pieces. How many meters long is each piece?

12) A quadrilateral has two pairs of parallel sides and all four angles are right angles. The opposite sides are equal but not all sides are the same length. What is this shape?

A. Rhombus

C. Rectangle

B. Trapezoid

D. Square



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1) A school has 4 classrooms. Each classroom has 28 students. The principal needs to divide all students into groups of 7 for a field trip. How many groups will there be?

A. 7

C. 4

B. 32

D. 16

2) Which fraction can be written as $4 \times \frac{1}{5}$?

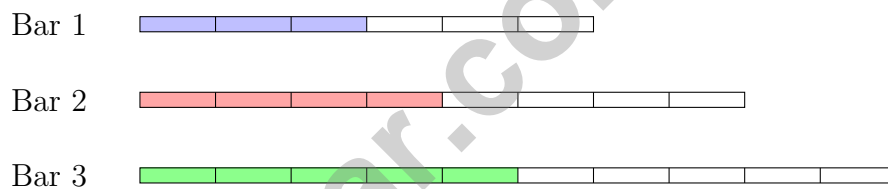
A. $\frac{4}{5}$

C. $\frac{4}{20}$

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

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

3) Look at the three fraction bars. Which shows the greatest fraction?



A. Bar 1: $\frac{3}{6}$

C. Bar 3: $\frac{5}{10}$

B. Bar 2: $\frac{4}{8}$

D. All are equal

4) Sam has a strip of paper divided into 8 equal parts. He colors 5 parts. Which expression shows the fraction colored as a sum of unit fractions?

A. $\frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8}$

C. $\frac{1}{5} + \frac{1}{5} + \frac{1}{5} + \frac{1}{5} + \frac{1}{5}$

B. $\frac{5}{8} + \frac{5}{8}$

D. $\frac{5}{8}$



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5) Which statement describes a trapezoid?

- A. It has two pairs of parallel sides. C. It has exactly one pair of parallel sides.
- B. It has no parallel sides. D. It has four equal sides.

6) 3 times

10

?

A garden has 10 rose bushes. A park has 3 times as many rose bushes. How many rose bushes does the park have?

- A. 13 C. 30
- B. 27 D. 35

7) How many sides does an angle have?

8) Write 0.56 as a fraction.



5) A pie is cut into slices. One slice represents an angle of 40° and another slice represents an angle of 60° . If these two slices are placed together, what angle do they form?

A. 20°

C. 100°

B. 60°

D. 200°

6) A garden has 20 tomato plants and 15 pepper plants. Then 5 plants die. The remaining plants are each expected to grow 12 fruits. How many total fruits are expected?

A. 300

C. 480

B. 420

D. 360

7) A party favor bag holds $\frac{1}{6}$ pound of candy. If you prepare 8 bags, how much candy is used in total?

A. $\frac{1}{48}$ pound

C. $\frac{8}{48}$ pound

B. $\frac{8}{6}$ pounds (or $1\frac{1}{3}$ pounds)

D. $\frac{6}{8}$ pound

8) How many unit fractions of $\frac{1}{7}$ make $\frac{5}{7}$?

A. 2

C. 7

B. 5

D. 12

9) Find $6\frac{5}{8} - 3\frac{7}{8}$.



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 B is correct.** (4.NF.3) Start with $\frac{3}{2}$ halves. Take away $\frac{1}{2}$: $3 - 1 = 2$ halves, which equals **1** whole.
- Choice A is correct.** (4.MD.7) Split the straight angle into 4 equal parts: $180^\circ \div 4 = 45^\circ$.
- Choice D is correct.** (4.G.1) Two lines that cross perpendicularly create four separate angles at the corner, and each one is a perfect right angle (90°).
- Choice B is correct.** (4.NF.4) The number line shows two blue arrows, each representing one hop of $\frac{1}{4}$. Together, they reach $\frac{2}{4}$.
- Choice C is correct.** (4.MD.1) Since 1 kilometer = 1,000 meters, multiply: $4 \times 1,000 = 4,000$ m. The answer is **4,000** m.
- Choice D is correct.** (4.NF.4) Picture D shows two fraction bars: the first has all 4 fourths shaded, the second has 2 fourths shaded. In total we have $4 + 2 = 6$ copies of $\frac{1}{4}$, which equals $\frac{6}{4}$.
- Choice C is correct.** (4.NF.5) Convert the strawberries: $\frac{8}{10} = \frac{80}{100}$. Now add: $\frac{80}{100} + \frac{15}{100} = \frac{95}{100}$ pound.
- Choice B is correct.** (4.G.3) An isosceles trapezoid has two equal slanted legs and a vertical line of symmetry straight down the middle. This divides it so both sides match perfectly. The answer is **1** line of symmetry.
- Choice D is correct.** (4.MD.5) A complete rotation around a circle measures **360°** because that's the universal standard for a full turn.
- Choice A is correct.** (4.NF.5) Compare the tenths place: $8 > 6$, so $0.86 > 0.68$. Isha ran farther.
- The correct answer is 12 m.** (4.MD.2) There are 144 meters of rope to cut into 12 pieces. Divide: $144 \div 12 = 12$ meters. Each piece is **12** meters long.
- Choice C is correct.** (4.G.2) This description fits a rectangle: two pairs of parallel sides, four right angles, and opposite sides equal (though not all four sides equal). These are the defining properties of a rectangle. The answer is **C**.
- Choice A is correct.** (4.MD.4) Look at $\frac{1}{2}$ inch: there are 2 X marks. At $\frac{3}{2}$ inches: there are 3 X marks. The difference is $3 - 2 = 1$.
- Choice D is correct.** (4.NF.4) A: $4 \times \frac{1}{2} = \frac{4}{2} = 2 \checkmark$. B: $6 \times \frac{1}{3} = \frac{6}{3} = 2 \checkmark$. C: $3 \times \frac{2}{3} = \frac{6}{3} = 2 \checkmark$. D: $5 \times \frac{1}{2} = \frac{5}{2} = 2\frac{1}{2}$ (NOT 2). The answer is **D**.
- Choice A is correct.** (4.NBT.4) Subtract from 100,000 using regrouping across multiple zeros. The answer is **32,766**.
- The correct answer is A, D.** (4.NF.3) A: $3 + 4 = 7 \checkmark$. D: Seven unit tenths: $7 \times \frac{1}{10} \checkmark$. Both work!
- Choice D is correct.** (4.NBT.5) Split 12×15 using the distributive property: $12 \times (10 + 5) = 120 + 60 = \mathbf{180}$ stickers.
- Choice B is correct.** (4.MD.6) One ray starts at 0° , and the other ray points to the 40° mark. Since $40^\circ < 90^\circ$, this is an acute angle. The answer is **40** degrees.
- Choice A is correct.** (4.MD.5) An angle made of 27 one-degree angles has a measure of **27°**.
- Choice D is correct.** (4.NF.3) The number line shows four arrows, each jumping $\frac{1}{4}$. Counting them: **4** jumps of $\frac{1}{4}$ equal 1 whole.
- Choice A is correct.** (4.NF.4) We multiply the number of candies by the weight of each: $6 \times \frac{1}{8} = \frac{6}{8}$ pound. Simplify $\frac{6}{8}$ to get $\frac{3}{4}$ pound.
- Choice A is correct.** (4.NF.3) Two class projects use poster board. Add the amounts: $\frac{7}{8} + \frac{3}{8} = \frac{10}{8}$ sheets of poster board used total.
- Choice D is correct.** (4.NBT.3) We're rounding to the nearest ten. Look at the ones digit: 5. Since $5 \geq 5$, we round UP! The tens digit changes from 8 to 9, giving us **14,290**. \checkmark
- The correct answer is Liam.** (4.NF.1) Use denominator 60: $\frac{3}{4} = \frac{45}{60}$, $\frac{4}{5} = \frac{48}{60}$, $\frac{5}{6} = \frac{50}{60}$. Since $45 < 48 < 50$, Liam ran the shortest distance.
- Choice D is correct.** (4.NBT.1) Looking at the chart, the digit in the tens place is 7. Its value is $7 \times 10 = \mathbf{70}$. \checkmark
- Choice D is correct.** (4.OA.2) Claire's group has 2 rows of 4 marbles—that's "2 times as many." Multiply: $2 \times 4 = 8$ marbles.
- Choice D is correct.** (4.NBT.2) Breaking it: 495 thousands ("four hundred ninety-five thousand") and 672 ones ("six hundred seventy-two") \checkmark



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Hi, Math Athlete!

◇ 8 practice tests done! That's serious training. Your math muscles are strong. You are in great shape for the big test. ◇

★ **Trainers know:** muscle memory is real. The more you practice, the more your brain knows what to do without thinking. You built that muscle memory! ★

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Trainer tip: on test day, drink water, breathe deeply, and warm up with the easier questions first. Your training will carry you the rest of the way!

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

Jay Daie

Your Math Trainer

8 PRACTICE TESTS. PREPARE. PRACTICE. SUCCEED!

This **Grade 4 Math Practice Tests** book is designed to help students build strong math skills, master essential concepts, and boost confidence for success in the classroom and beyond.

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