

5

Mississippi MAAP

Standards-Aligned Review with
Mixed Practice and Answer Key

A+

5 Mississippi MAAP Grade 4 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Five 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.

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Welcome, Mississippi Math Explorer!

Five steady rounds on the Magnolia State math route

This book gives you five 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?

Five tests, 150 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 3–5	Skill-building rounds with fractions, measurement, area, data, and two-step problems.
Tests 3–5	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

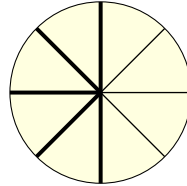
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1) Which best represents $\frac{10}{6}$ as a mixed number?

- A. $1\frac{2}{6}$
 B. $1\frac{4}{6}$

- C. $2\frac{2}{6}$
 D. $\frac{10}{6}$ cannot be a mixed number



Pie divided into eighths

2)

James eats $\frac{1}{8}$ of a pie each day. How much of the pie does he eat in 5 days?

- A. $\frac{1}{40}$ of the pie
 B. $\frac{5}{8}$ of the pie

- C. $\frac{5}{40}$ of the pie
 D. $\frac{6}{8}$ of the pie

3) A rectangle has a width of 4 inches. The perimeter is 28 inches. What is the length?

- A. 6 in
 B. 8 in

- C. 10 in
 D. 12 in

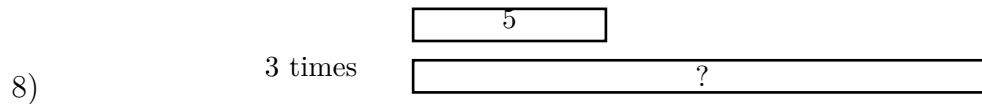
4) A ribbon is 0.75 meters long. Which fraction is equivalent to this length?

- A. $\frac{7}{10}$
 B. $\frac{75}{100}$

- C. $\frac{75}{10}$
 D. $\frac{750}{100}$



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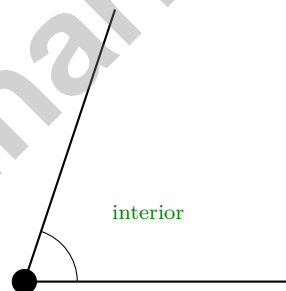


Harper collected 5 seashells. Jackson collected 3 times as many seashells as Harper. How many seashells did Jackson collect?

9) Ava made a necklace. First she used $1\frac{4}{5}$ meters of string. Then she used $2\frac{1}{5}$ more meters. What is the total length?

- A. $3\frac{4}{5}$ meters C. 4 meters
 B. $3\frac{3}{5}$ meters D. $2\frac{5}{5}$ meters

10)



The region labeled in green is called the:

- A. exterior C. vertex
 B. interior D. side



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1) A park has 5 oak trees. This is 5 times as many as the number of maple trees. How many maple trees does the park have?

A. 25

C. 10

B. 5

D. 1

2) How many $\frac{1}{6}$ s are in $\frac{4}{6}$? Write the number.

3) A factory packs 144 toys into crates. Each crate holds 12 toys. How many crates are full? If workers find 9 more toys to pack, how many crates total are needed?

A. 12 full crates, 12 total needed

C. 11 full crates, 12 total needed

B. 144 crates, 13 total

D. 12 full crates, 13 total needed

4) Which is greater?

A. 10,203

C. 10,023

B. 10,232

D. 10,302

5) Which shows $\frac{4}{10}$ as a sum of unit fractions?

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

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

B. $\frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10}$

D. $\frac{1}{10} + \frac{3}{10}$



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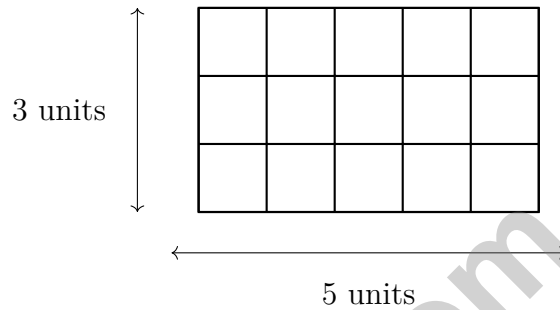
1) What is 8×425 ?

A. 3200

C. 3300

B. 3500

D. 3400



2)

What is the perimeter of the rectangle shown?

A. 16 units

C. 8 units

B. 15 units

D. 30 units

3) Count the multiples of 8 between 1 and 60 using the table:

8	16	24	32
40	48	56	next is 64

How many multiples of 8 are there up to 60?

A. 6

C. 8

B. 9

D. 7



4) A field has 200 flowers. A gardener plants 40 more. Then all the flowers are divided into 8 equal garden sections. How many flowers are in each section?

A. 25

C. 28

B. 35

D. 30

5) Round 29,999 to the nearest thousand.

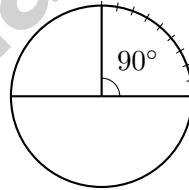
A. 29,000

C. 29,900

B. 25,000

D. 30,000

6) An angle measures 143° . It is divided into two parts by a ray. One part measures 68° . What is the measure of the other part?



7)

A circle is divided into sections. The section shown contains 90 one-degree angles. What is the measure of this angle?

A. 90°

C. 180°

B. 9°

D. 45°



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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

- 1) **Choice B is correct.** (4.NF.3) One whole is $\frac{6}{6}$. After removing it, $\frac{10}{6} - \frac{6}{6} = \frac{4}{6}$ remains. So $\frac{10}{6} = 1\frac{4}{6} \checkmark$.
- 2) **Choice B is correct.** (4.NF.4) James eats $\frac{1}{8}$ of the pie each day for 5 days. We multiply: $5 \times \frac{1}{8} = \frac{5}{8}$ of the pie.
- 3) **Choice C is correct.** (4.MD.3) Use $P = 2\ell + 2w = 28$ with $w = 4$: $2\ell + 2(4) = 28$. Solve: $2\ell + 8 = 28$, so $2\ell = 20$, thus $\ell = 10$ in.
- 4) **Choice B is correct.** (4.NF.5) A ribbon 0.75 meters long is $\frac{75}{100}$ of a meter (or three quarters of a meter).
- 5) **Choice B is correct.** (4.G.3) A butterfly is nature's perfect example of symmetry! The left and right wings mirror each other, so a vertical line down the middle is exactly a line of symmetry. The answer is **1** line of symmetry.
- 6) **Choice C is correct.** (4.NF.4) One whole is $\frac{3}{3}$, which equals $3 \times \frac{1}{3}$. So there are **3** thirds in one whole.
- 7) **Choice C is correct.** (4.NF.1) The denominator goes from 6 to 12 (multiply by 2). Multiply the numerator by 2 also: $\frac{3}{6} = \frac{3 \times 2}{6 \times 2} = \frac{6}{12}$.
- 8) **The correct answer is 15.** (4.OA.2) The bar model shows Jackson's bar is 3 equal pieces, each the size of Harper's 5 seashells. Multiply: $3 \times 5 = 15$ seashells.
- 9) **Choice C is correct.** (4.NF.3) Add the wholes: $1 + 2 = 3$. Add the fractions: $\frac{4}{5} + \frac{1}{5} = \frac{5}{5} = 1$. Combine: $3 + 1 = 4$ meters.
- 10) **Choice B is correct.** (4.MD.5) The interior is the space inside the angle between the two rays.
- 11) **Choice B is correct.** (4.NF.5) Think of it as 3 tenths. We can write $\frac{3}{10} = \frac{30}{100} = 0.30 = 0.3$.
- 12) **Choice D is correct.** (4.NBT.5) The standard algorithm: multiply by ones ($37 \times 6 = 222$), then by tens ($37 \times 20 = 740$), then add ($222 + 740 = 962$). Choice D shows all three numbers.
- 13) **Choice B is correct.** (4.MD.5) The angle marked from 0° to 75° contains **75** one-degree angles.
- 14) **The correct answer is 392.** (4.OA.1) "7 times as many" means multiply: 56×7 . A handy way to think about it: $50 \times 7 = 350$ and $6 \times 7 = 42$, so $350 + 42 = 392$ donuts.
- 15) **The correct answer is B, C.** (4.OA.4) Starting with a positive whole number: subtracting 5, subtracting 10, or dividing by 4 makes it smaller. Adding 3 or multiplying by 2 makes it larger. Increasing rules: B and C. \checkmark
- 16) **Choice A is correct.** (4.NF.3) Two angles together make $\frac{10}{12}$ of a straight angle. One is $\frac{4}{12}$. The other: $10 - 4 = 6$ twelfths, or $\frac{6}{12}$.
- 17) **Choice D is correct.** (4.NBT.2) Counting from the right: ones, tens, hundreds, thousands. The thousands digit is 2 \checkmark
- 18) **Choice C is correct.** (4.NF.4) $6 \times \frac{1}{10} = \frac{6}{10}$, so they're exactly equal!
- 19) **The correct answer is 12.** (4.MD.5) Divide the full circle by 30 degrees: $360^\circ \div 30^\circ = 12$ angles needed.
- 20) **Choice B is correct.** (4.MD.4) Leo's total: $\frac{6}{4}$. Sam's total: $\frac{4}{4} = 1$. Chris's total: $\frac{9}{4}$. Sam has the shortest length.
- 21) **Choice D is correct.** (4.NBT.6) Think: $72 \div 8 = 9$, bring down the 8 to get $8 \div 8 = 1$. So each box holds **91** stickers.
- 22) **Choice C is correct.** (4.MD.1) Since 1 tablespoon = 3 teaspoons, multiply: $4 \times 3 = 12$ teaspoons. The answer is **12** teaspoons.
- 23) **Choice C is correct.** (4.NF.1) A fraction is less than 1 when the numerator is less than the denominator. In $\frac{7}{10}$, $7 < 10 \checkmark$. The other three have numerators bigger than denominators.
- 24) **Choice D is correct.** (4.OA.4) Find every number that divides 15 evenly. Pair them up: 1×15 and 3×5 . So the factor list is 1, 3, 5, 15. (Note that 1 and the number itself are always factors!)
- 25) **Choice A is correct.** (4.MD.6) The protractor has a flat edge (the baseline) where one ray must sit. This ray should align with the 0° mark on that straight edge. The curved edge is for reading the degree measure, not for placing the rays. The answer is the straight baseline edge.
- 26) **Choice D is correct.** (4.NBT.1) A value of 30 means 3×10 . The tens place is where digit $\times 10$. Answer: Tens. \checkmark
- 27) **Choice A is correct.** (4.NF.3) A farmer has two field sections. Add the areas: $1\frac{2}{5} + 2\frac{3}{5} = 3\frac{5}{5} = 4$ acres total.
- 28) **Choice B is correct.** (4.MD.2) Step 1: Find total fencing used: $35 + 28 = 63$ meters. Step 2: Subtract from the total: $100 - 63 = 37$ meters. He has **37** meters of fencing left.



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Star Player Pep Talk

Hi, Star Player!

◇ 5 practice tests. Every one of them was a chance to grow. You took every chance. That's why you're a math star today! ◇

★ **Star players know:** confidence comes from practice. You can't fake it. You build it. You built yours over 5 tests. It's real now! ★

Star Player Stats

- **Practice:** OFF THE CHARTS!
- **Skills:** BROAD! You can do many problem types.
- **Toughness:** HIGH! You don't quit on hard problems.
- **Game Plan:** READY! You know your strategies.

Star tip: on test day, take it one play at a time. One problem. Then the next. You will earn your stars!

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

Jay Daie

Your Math Coach

5 PRACTICE TESTS. BUILD SKILLS. BOOST CONFIDENCE!

This **Grade 4 Math Practice Tests** book is designed to help students master essential math concepts, improve problem-solving skills, and build the confidence they need to excel.

With 5 full-length practice tests, a variety of question types, and detailed answer explanations, students get the practice they need to understand math, strengthen critical thinking, and perform their best on test day and beyond.

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

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Better Problem Solving

Develop logical thinking and effective solution strategies.



Test Confidence

Become familiar with test-style questions and formats.



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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.

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- ✓ Addition & Subtraction
- ✓ Multiplication & Division
- ✓ Fractions & Equivalent Fractions
- ✓ Decimals
- ✓ Geometry & Measurement
- ✓ Perimeter & Area
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Answer Key Included

A+