

9

# Mississippi MAAP

## GRADE 3 MATH PRACTICE TESTS

COMPLETE STANDARDS REVIEW WITH SKILL PRACTICE,  
WORD PROBLEMS, AND ANSWER KEY



10

FOR THE COMPREHENSIVE ASSESSMENT PROGRAM

# 9 Mississippi MAAP Grade 3 Math Practice Tests

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



Nine complete 30-question Grade 3 practice rounds with operations, fractions, measurement, data, area, shapes, answer keys, and clear explanations for every item.

**Jay Daie and Reza Nazari**



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# Mississippi, Start Your Nine-Round Math Rally

A calm Grade 3 path from first try to confident finish

This book gives you nine chances to practice like a thoughtful Mississippi MAAP test taker. Each round mixes numbers, shapes, fractions, data, measurement, and word problems so your brain learns to switch skills calmly.

Mississippi has river bends, music towns, cotton fields, Gulf breezes, and patient classroom practice, where careful steps matter. Strong math follows that same idea: solve what the question asks, choose a useful tool, show the work, and check before moving on.

## Your Mississippi Math Promise

I will slow down enough to understand the question. I will show the work that helps me think. I will use mistakes as practice fuel, then try again with a sharper plan.

**Nine rounds is not about rushing. It is about building a math habit that stays strong.**

## How to Use This Book

A nine-session routine for clear Mississippi review

1. **Warm up first.** Read the quick review pages and remind yourself of the big ideas.
2. **Take one test at a time.** Work without rushing. Circle words, sketch models, and label units.
3. **Check the answer key.** Mark correct answers, then star questions that need another look.
4. **Read explanations after trying again.** The explanation works best after your brain has wrestled with the problem.
5. **Use the growth log.** Track the score, one strong habit, and one skill to practice next.

**Good rhythm:** Test one day, review the next day, then take the next test when your corrections feel clear. In Mississippi, that steady routine turns nine tests into one organized prep plan.



# What Is Inside the Nine Tests?

Mixed Grade 3 practice with MAAP support

Part	What You Practice
Nine full tests	30 mixed Grade 3 questions in each round
Question styles	Multiple choice, select-all, and open-ended work spaces
Math topics	Operations, patterns, rounding, fractions, measurement, data, area, perimeter, and shapes
Answer support	Compact answer keys plus explanations for every item
Standards help	A Mississippi standards reference and standard-code boxes in explanations

**Why mixed practice helps:** Real tests do not announce the next skill. These nine rounds help students recognize the math move they need, even when the topic changes from question to question.



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1) A number line from 0 to 1 has 4 tick marks dividing it equally (not counting 0 and 1). Each part is  $\frac{1}{5}$ . What is true?

A. There are 4 equal parts

C. There are 6 equal parts

B. There are 5 equal parts

D. There are 3 equal parts

2) If a rectangle has a length of 7 units and a width of 5 units, what is the area in square units?



3) Noah has 28 flowers. He puts them equally into 4 vases. How many flowers are in each vase?

A. 6

C. 24

B. 32

D. 7

4) What is  $635 - 241$ ?

A. 394

C. 384

B. 404

D. 464





9) Mia marks  $\frac{1}{4}$  on a number line from 0 to 1 that has 4 equal parts. Then she marks  $\frac{3}{4}$ . How many tick marks apart are these two points?

A. 0 marks

C. 4 marks

B. 1 mark

D. 2 marks

10) Mrs. Chen has 24 books to place on 4 shelves equally. How many books go on each shelf?

A. 5 books

C. 7 books

B. 8 books

D. 6 books

11) What number makes the equation true?

$$\square \times 7 = 42$$

A. 8

C. 5

B. 7

D. 6

12) A circle is divided into 6 equal parts. Write the fraction that represents one part of the circle.

13) A container holds 6 liters of oil. The recipe uses 2 liters. How many liters are left?

A. 2 L

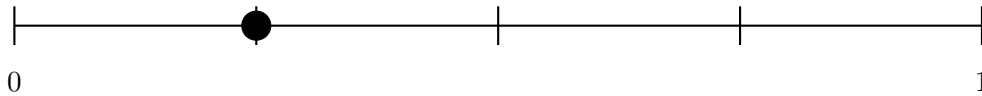
C. 6 L

B. 4 L

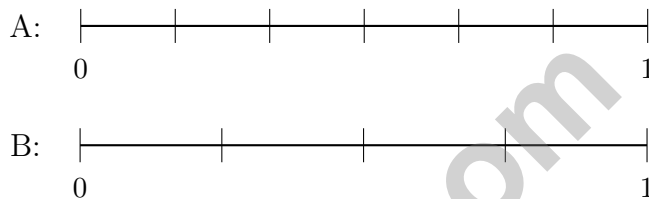
D. 8 L



- 1) A number line shows the distance from 0 to 1 split into 4 equal parts. Where is  $\frac{1}{4}$  located?



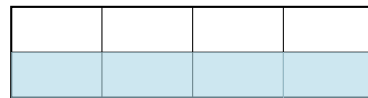
- A. At the first tick mark                       C. At the third tick mark  
 B. At the second tick mark                 D. At the fourth tick mark
- 2) Which number line correctly shows an interval from 0 to 1 divided into 6 equal parts?



- A. Option A                                       C. Neither is correct  
 B. Option B                                       D. Both are correct
- 3) Two rectangles are divided into equal parts and some parts are shaded. Rectangle X is divided into 4 equal parts with 2 parts shaded. Rectangle Y is divided into 8 equal parts with 4 parts shaded. Do the two rectangles have the same amount of area shaded?



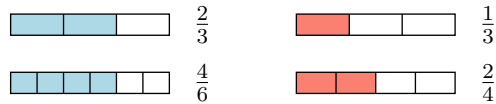
Rectangle X: 2 out of 4 shaded



Rectangle Y: 4 out of 8 shaded

- A. Rectangle X has more area shaded     C. Both have the same area shaded  
 B. Rectangle Y has more area shaded     D. Cannot tell by looking

4) Which two fraction bars show equivalent fractions?



- A.  $\frac{2}{3}$  and  $\frac{4}{6}$   
 B.  $\frac{2}{3}$  and  $\frac{1}{3}$

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

5) Sam's classroom has 4 tables arranged in rows. Each table seats 7 students. How many students can sit at the tables?

- A. 28  
 B. 11

- C. 21  
 D. 35

6) Find the perimeter of a 9 cm by 4 cm rectangle.

7) Which situation can be solved using  $24 \div 6$ ?

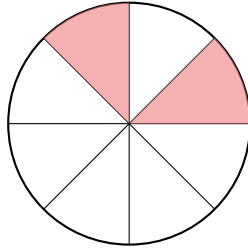
- A. 24 cookies shared equally among 6 friends  
 B. 6 items split between 24 people  
 C. 24 times 6  
 D. 24 plus 6

8) A picture graph shows apples in baskets. The key says each apple symbol represents 5 apples. Basket A has 2 symbols and Basket B has 4 symbols. How many apples are there in total in both baskets?



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1) Here is a circle divided into 8 equal parts by lines from the center.

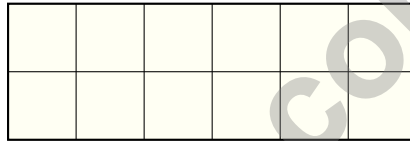


Two parts are shaded. What fraction is shaded?

- A.  $\frac{1}{8}$   
 B.  $\frac{2}{8}$

- C.  $\frac{3}{8}$   
 D.  $\frac{4}{8}$

2)



How many unit squares are in this rectangle?

3) If you divide a line from 0 to 1 into 8 equal parts, what do you call one of those parts?

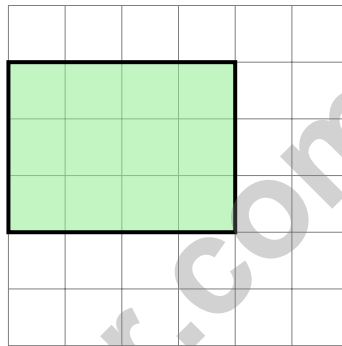
- A. One eighth  
 B. Eight

- C. One half  
 D. One whole

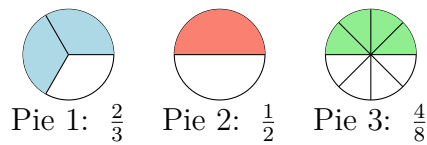


- 4) A classroom floor is 5 feet wide and 8 feet long. If the teacher covers it with square foot tiles, how many tiles are needed? Show your thinking by drawing or writing.

- 5) Look at the shaded region on the grid. Count all unit squares to find the area.



- A. 9 square units                       C. 10 square units  
 B. 12 square units                     D. 15 square units
- 6) A rectangular tile is 7 inches long and 3 inches wide. How much area does one tile cover?
- A. 20 sq in                                 C. 21 sq in  
 B. 28 sq in                                 D. 10 sq in
- 7) Which two pie charts show equivalent fractions?



- A. Pies 1 and 2                             C. Pies 1 and 3  
 B. Pies 2 and 3                             D. All three pies



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## Practice Test Answer Keys

**How to use this section with a Grade 3 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. **(3.NF.2a)** If each part is  $\frac{1}{5}$ , then there are 5 equal parts total.
- The correct answer is 35 square units. **(3.MD.5)** Multiply length by width:  $7 \times 5 = 35$  square units.
- Choice D is correct. **(3.OA.2)**  $28 \div 4 = 7$ . The 28 flowers are shared equally among 4 vases.
- Choice A is correct. **(3.NBT.2)** Ones:  $5 - 1 = 4$ . Tens:  $3 - 4$  requires regrouping, so  $13 - 4 = 9$ . Hundreds:  $5 - 2 = 3$ . Answer: 394.
- Choice B is correct. **(3.MD.1)** At 3:27, the minute hand points to 27 minutes, just past the 5. The hour hand is between 3 and 4, just past 3. Clock 2 shows this accurately.
- Choice B is correct. **(3.NF.3d)** The blue dot is halfway between 0 and  $\frac{1}{3}$ , so it represents  $\frac{1}{6}$ . Since  $\frac{1}{6} < \frac{1}{3}$ , the dot is to the left of  $\frac{1}{3}$ .
- Choice B is correct. **(3.NF.3c)**  $\frac{12}{4}$  means 12 fourths. 4 fourths = 1 whole, so  $12 \div 4 = 3$  wholes.
- Choice D is correct. **(3.MD.7b)** Area = length  $\times$  width =  $8 \times 7 = 56$  square inches.
- Choice D is correct. **(3.NF.2b)**  $\frac{1}{4}$  is the 1st tick;  $\frac{3}{4}$  is the 3rd tick. The distance is  $3 - 1 = 2$  ticks apart.
- Choice D is correct. **(3.OA.6)**  $24 \div 4 = \square$  means  $\square \times 4 = 24$ . Since  $6 \times 4 = 24$ , each shelf has 6 books.
- Choice D is correct. **(3.OA.4)** Think:  $42 \div 7 = 6$ , so the unknown is 6. Check:  $6 \times 7 = 42$ .
- The correct answer is  $\frac{1}{6}$ . **(3.G.2)** When a circle is divided into 6 equal parts, each part is  $\frac{1}{6}$  of the whole.
- Choice B is correct. **(3.MD.2)** Subtract:  $6 - 2 = 4$  L.
- Choice C is correct. **(3.MD.6)**  $3 \times 4 = 12$  unit squares.
- Choices B and D are correct. **(3.OA.3)** B uses division to find how many boxes are needed, and D uses division to share pencils equally. A, C, and E require multiplication.
- Choice D is correct. **(3.OA.1)** 5 shelves with 8 boxes each means 5 groups of 8. So  $5 \times 8 = 40$  boxes.
- Choice B is correct. **(3.NF.2)** Count: Start at tick 1 ( $\frac{1}{4}$ ), move 2 ticks right ( $1+2=3$ ). Land at tick 3, which is  $\frac{3}{4}$ .
- Choice D is correct. **(3.OA.7)**  $56 \div 7 = 8$  because  $8 \times 7 = 56$ . Seven groups of 8 equals 56.
- Choice A is correct. **(3.NF.3)** Both bars show the same amount shaded.  $\frac{3}{4}$  and  $\frac{6}{8}$  are equivalent.
- Choice D is correct. **(3.NF.3a)**  $\frac{1}{3} = \frac{2}{6}$ . They represent the same position on a number line.
- Choice C is correct. **(3.MD.5b)**  $10 \times 4 = 40$  unit square tiles are needed.
- Choice B is correct. **(3.MD.5a)** The grid is  $5 \times 2 = 10$  unit squares = 10 square units.
- Choice C is correct. **(3.NBT.1)** The tens digit is 5. Since  $5 \geq 5$ , round up: 650 rounds to 700.
- Choice A is correct. **(3.NF.1)** When an orange is cut into 8 equal slices, one slice is  $\frac{1}{8}$  (one-eighth).
- Choice C is correct. **(3.OA.8)** Step 1: After eating:  $18 - 7 = 11$  apples. Step 2: Add new:  $11 + 4 = 15$  apples. (Choice A is step 1 only.)
- Choice C is correct. **(3.MD.7)** Area =  $4 \times 7 = 28$  square yards.
- Choice D is correct. **(3.OA.9)** Multiples of 4 follow the pattern 4, 8, 12, 16, 20, increasing by 4 each time.
- Choice B is correct. **(3.MD.7c)** The rectangle has width 5 and combined height  $2 + 2 = 4$ , so  $5 \times (2 + 2) = 20$ .
- Choice D is correct. **(3.NBT.3)** The chart shows 9 tens and 0 ones, which represents  $9 \times 10 = 90$  coins.
- The correct answer is  $\frac{6}{8}$ . **(3.NF.3b)** Multiply the numerator and denominator by 2:  $\frac{3 \times 2}{4 \times 2} = \frac{6}{8}$ .

### Practice Test 2 Answers and Explanations

- Choice B is correct. **(3.G.2)** Five shaded parts out of 8 equal parts is  $\frac{5}{8}$ .
- Choice D is correct. **(3.NF.3a)**  $\frac{2}{4} = \frac{1}{2}$  because both represent one-half of their respective bars.



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## Author's Note

### From a Friend Who Believes in You

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#### Hi, Friend!

◇ I just want to say something important: I am proud of you. You did 9 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](mailto:jay@testinar.com).

**Jay Daie**

Your Math Friend

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