

10

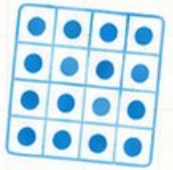
$$7 \times 8 = 56$$

$$\begin{array}{r} 32 \\ \times 6 \\ \hline 192 \end{array}$$



$$\frac{3}{4}$$

Mississippi



MAAP



GRADE 4

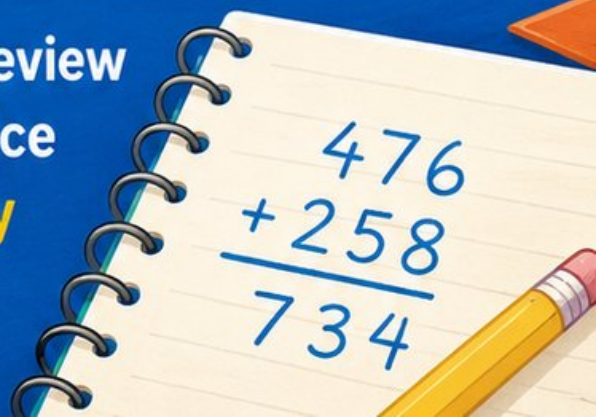


MATH

PRACTICE TESTS

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

$$\begin{array}{r} 476 \\ + 258 \\ \hline 734 \end{array}$$



10 Mississippi MAAP Grade 4 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Ten 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!

Ten steady rounds on the Magnolia State math route

This book gives you ten 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?

Ten tests, 300 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 7–9	Stamina rounds for mixed review, neat work, and flexible strategies.
Test 10	Final round to show growth across the whole Mississippi book.
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.



Scan me!
For more practice
& answers

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1) Maya measured her jump rope. It was 0.65 meters. Sam's rope was 0.56 meters. Whose rope was longer?

A. Maya's rope (0.65 m)

C. Both ropes are the same length

B. Sam's rope (0.56 m)

D. Cannot tell from the information

2) Which expression shows $\frac{3}{5}$ as a sum of unit fractions?

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

C. $\frac{3}{5} + \frac{3}{5} + \frac{3}{5}$

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

D. $\frac{3}{5}$

3) $\frac{5}{4}$ is the same as $1\frac{1}{4}$. Which shows this decomposition?

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

C. $\frac{3}{4} + \frac{1}{4}$

B. $\frac{2}{4} + \frac{2}{4}$

D. $\frac{4}{4} + \frac{2}{4}$

4) Which fraction is closest to 1 whole?

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

C. $\frac{6}{10}$

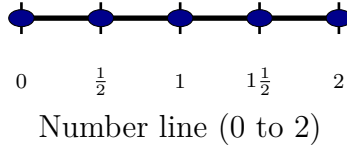
B. $\frac{5}{8}$

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

5) Find 32×19 .



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6)

On a number line, you mark dots at 0, $\frac{1}{2}$, 1, $1\frac{1}{2}$, and 2. What does the pattern show about $4 \times \frac{1}{2}$?

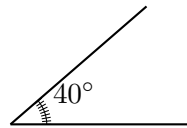
A. $4 \times \frac{1}{2} = 8$

C. $4 \times \frac{1}{2} = 4$

B. $4 \times \frac{1}{2} = 2$

D. $4 \times \frac{1}{2} = 6$

7)



An angle turns through 40 one-degree angles. What is the measure of this angle?

A. 40°

C. 39°

B. 41°

D. 80°

8) Lily reads $\frac{1}{3}$ of a book each day. How much of the book has she read after 2 days?

A. $\frac{1}{6}$ of the book

C. $\frac{2}{1}$ of the book

B. $\frac{2}{3}$ of the book

D. $\frac{4}{3}$ of the book

9) How many 90° angles can fit around a point without overlapping?

A. 2

C. 4

B. 3

D. 5



1) Add: $12,345 + 23,456 = ?$

A. 35,701

C. 35,711

B. 36,801

D. 35,801

2) A sticker weighs $\frac{1}{5}$ ounce. Emma has 3 stickers. What is the total weight in ounces?

A. $\frac{1}{15}$ ounce

C. $\frac{3}{15}$ ounce

B. $\frac{3}{5}$ ounce

D. $\frac{5}{3}$ ounces

3) What is $\frac{4}{10} + \frac{25}{100} + \frac{10}{100}$?

4) Rosa bought 7 pencils. Ahmed bought 5 times as many pencils as Rosa. How many pencils did Ahmed buy?

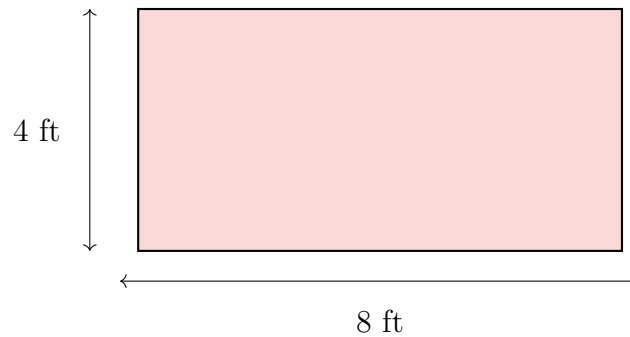
A. 12

C. 42

B. 30

D. 35



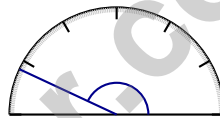


5)

A farmer wants to put a fence around this rectangular field. How many feet of fencing does he need?

 A. 32 ft B. 12 ft C. 48 ft D. 24 ft

6)



What is the measure of this angle?

 A. 145 degrees B. 150 degrees C. 155 degrees D. 165 degrees

7) Mia bought 2,310 beads to share equally among herself and 4 friends (5 people total). How many beads does each person get?

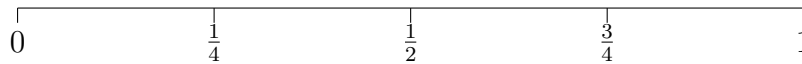
 A. 462 B. 448 C. 450 D. 458

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1) A craft project needs 27 beads per bracelet. A shop has 350 beads total. How many complete bracelets can they make, and will there be beads left over?

- A. 12 bracelets, 1 bead left C. 13 bracelets, 1 bead left
 B. 13 bracelets, 0 beads left D. 12 bracelets, 26 beads left

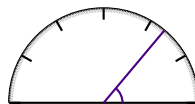
2) On a number line from 0 to 1, where does $\frac{1}{4} + \frac{1}{4} + \frac{1}{4}$ land?



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

3) A recipe needs 32 ounces of milk. The baker has 50 ounces. After making the recipe, how many ounces are left?

4)



What is the measure of the angle shown?

- A. 45 degrees C. 60 degrees
 B. 55 degrees D. 50 degrees

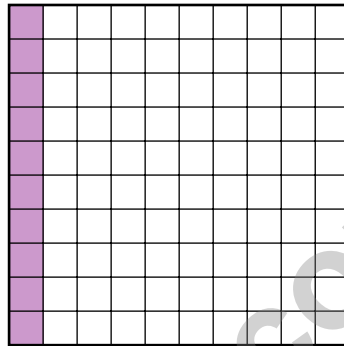


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5) In the number 3,334, the digit 3 appears in three places. What is the sum of the values of all three 3's?

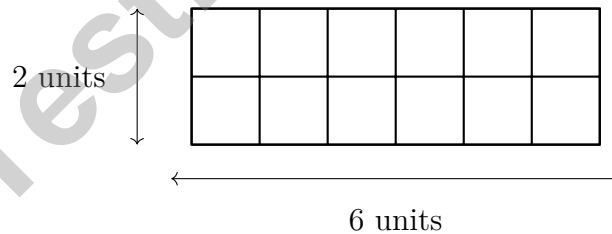
- A. 333
- B. 3,300
- C. 3,330
- D. 3,333

6) Ming shaded $\frac{1}{10}$ of a rectangle. How many hundredths is this?



1 column shaded out of 10 columns

- A. 1 hundredth
- B. 10 hundredths
- C. 100 hundredths
- D. 11 hundredths



7)

Each small square is 1 square unit. What is the area of the rectangle?

- A. 8 sq units
- B. 10 sq units
- C. 12 sq units
- D. 16 sq units

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 A is correct.** (4.NF.5) Look at the tenths place: 0.65 has 6 tenths while 0.56 has 5 tenths. Since $6 > 5$, $0.65 > 0.56$, and Maya's rope is longer.
- Choice B is correct.** (4.NF.3) A unit fraction always has a numerator of 1. So $\frac{3}{5}$ breaks down into three copies of $\frac{1}{5}$: $\frac{3}{5} = \frac{1}{5} + \frac{1}{5} + \frac{1}{5}$.
- Choice A is correct.** (4.NF.3) $\frac{4}{4}$ is one whole, and $\frac{1}{4}$ more makes $1\frac{1}{4}$. Add: $4 + 1 = 5$, so $\frac{4}{4} + \frac{1}{4} = \frac{5}{4} \checkmark$.
- Choice D is correct.** (4.NF.3) To get to 1: A needs $\frac{2}{6}$ more, B needs $\frac{3}{8}$ more, C needs $\frac{4}{10}$ more, D needs only $\frac{1}{4}$ more. The tiniest gap is $\frac{1}{4}$, so $\frac{3}{4}$ wins.
- The correct answer is 608.** (4.NBT.5) Use a clever strategy: $32 \times 19 = 32 \times (20 - 1) = 640 - 32 = 608$.
- Choice B is correct.** (4.NF.4) On the number line, each jump moves forward by $\frac{1}{2}$. Four jumps starting from 0 land us at 2, showing $4 \times \frac{1}{2} = 2$.
- Choice A is correct.** (4.MD.5) The measure of an angle equals the number of one-degree angles it turns through, so 40 one-degree angles equal 40° .
- Choice B is correct.** (4.NF.4) Lily reads $\frac{1}{3}$ of the book each day for 2 days. Multiply: $2 \times \frac{1}{3} = \frac{2 \times 1}{3} = \frac{2}{3}$ of the book. The answer is $\frac{2}{3}$ of the book.
- Choice C is correct.** (4.MD.5) Divide the full circle by the angle size: $360^\circ \div 90^\circ = 4$ right angles fit exactly around.
- Choice D is correct.** (4.OA.2) The longer bar (30 zebras) is made of 3 equal pieces, each one giraffe-group's size. To find one piece, divide: $30 \div 3 = 10$ giraffes.
- Choice A is correct.** (4.MD.2) Amir has 60 grams of butter but only needs 45 grams. Subtract: $60 - 45 = 15$ grams. He has 15 grams extra.
- Choice C is correct.** (4.NF.5) To convert $\frac{4}{10}$ to hundredths, multiply both the numerator and denominator by 10: $\frac{4}{10} = \frac{40}{100}$.
- Choice D is correct.** (4.NBT.1) List the digits by place: thousands 3, hundreds 4, tens 2, ones 6. This forms **3,246**. \checkmark
- Choice D is correct.** (4.NBT.3) We're rounding to the nearest thousand. Look at the hundreds digit: $9 \geq 5$, so round UP! But 9 becomes 10—a rollover! So $9,987 \rightarrow 10,000$. \checkmark
- Choice B is correct.** (4.MD.6) The baseline sits at 0° , and the second ray points to the 20° mark. Since $20^\circ < 90^\circ$, this is an acute angle—and a small one at that. The answer is **20** degrees.
- Choice A is correct.** (4.NBT.6) Use long division: $2 \div 7 = 0$ r2, bring down the 5 to get $25 \div 7 = 3$ r4, bring down the 2 to get $42 \div 7 = 6$, bring down the 0 to get $0 \div 7 = 0$. The answer is **360**.
- Choice B is correct.** (4.MD.3) Using $P = 2\ell + 2w = 50$ with $\ell = 15$: $2(15) + 2w = 50$. Simplify: $30 + 2w = 50$, so $2w = 20$, thus $w = 10$ ft.
- The correct answer is A, C.** (4.MD.7) B is wrong (straight angles can be divided). D is wrong (smaller angles combine to form a right angle). E is wrong ($120^\circ \div 3 = 40^\circ$, not 30°).
- Choice B is correct.** (4.NF.4) All count by fourths: $2 \times \frac{1}{4} = \frac{2}{4}$, $1 \times \frac{1}{4} = \frac{1}{4}$, and $3 \times \frac{1}{4} = \frac{3}{4}$.
- The correct answer is 9.** (4.NF.1) The denominator changes from 5 to 15. What times 5 makes 15? $5 \times 3 = 15$. So multiply the numerator by 3: $3 \times 3 = 9$.
- Choice C is correct.** (4.OA.4) Build a pyramid: Figure 1 = 1, Figure 2 = $1 + 2 = 3$, Figure 3 = $1 + 2 + 3 = 6$. Figure 5 = $1 + 2 + 3 + 4 + 5 = 15$ circles.
- Choice B is correct.** (4.G.1) A ray always starts at a definite point. This one starts at *A*, goes through *B*, and keeps going forever in that same direction.
- Choice D is correct.** (4.OA.4) A multiple of 7 is what you get from $7 \times$ a whole number. Since $7 \times 7 = 49$, that makes 49 a multiple of 7. The others don't fit: $45 = 5 \times 9$, $52 = 4 \times 13$, $60 = 6 \times 10$.
- Choice C is correct.** (4.NF.1) Find common denominator 40: $\frac{5}{8} = \frac{25}{40}$, $\frac{3}{5} = \frac{24}{40}$, $\frac{7}{10} = \frac{28}{40}$. Since $28 > 25 > 24$, Gina ran farthest.



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Champion tip: on test day, walk in proud. You trained for this. You are ready!

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

Jay Daie

Your Math Coach

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