

8 Missouri MAP GRADE 4



PRACTICE TESTS



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

**COMPREHENSIVE
TEST PREP**

Includes Solutions

8 Missouri MAP Grade 4 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Eight complete 30-question Grade 4 practice rounds for MAP, built around gateway arches, river crossings, and strong strategy choices, with answer keys and clear explanations for every item.

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Welcome, Missouri Math Explorer!

Eight steady rounds on the Show-Me State math route

This book gives you eight full Grade 4 practice tests for MAP. Each round uses gateway arches, river crossings, and strong strategy choices to keep practice memorable while you read carefully, choose a strategy, show work, and check the answer.

Missouri 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 Missouri MAP 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 Show-Me 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 MAP 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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1) Subtract: $7,000 - 2,345 = ?$

2) A toy store has 100 action figures. A craft store has 2 times as many action figures. How many action figures does the craft store have?

- A. 102 C. 300
 B. 150 D. 200

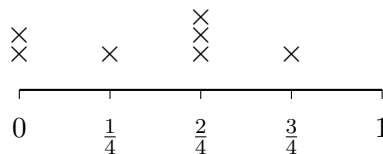
3) If you turn $\frac{1}{12}$ of the way around a circle, how many degrees do you turn?

- A. 20° C. 45°
 B. 30° D. 60°

4) A clock shows 3 o'clock. The hour hand and minute hand form an angle. What type of angle is it?

- A. Acute C. Obtuse
 B. Right D. Straight

5) Look at the line plot showing pencil lengths (in inches):



How many pencils measured $\frac{2}{4}$ inch?

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



6) Rosa had $3\frac{2}{6}$ pizzas. She gave away $1\frac{5}{6}$ pizzas. How much pizza does she have left?

A. $1\frac{1}{6}$ pizzas

C. $1\frac{4}{6}$ pizzas

B. $1\frac{3}{6}$ pizzas

D. $2\frac{1}{6}$ pizzas

7) How many $\frac{1}{8}$'s are in $\frac{7}{8}$?

A. 1

C. 8

B. 7

D. $\frac{1}{7}$

8) Noah measured an angle and found it has 75 one-degree angles. What is the measure of the angle?

A. 75°

C. 7.5°

B. 150°

D. 750°

9) A puppy weighs 3 kilograms. How many grams is this?

A. 300

C. 30,000

B. 3,000

D. 300,000

10) Round 6,005 to the nearest ten.

A. 6,010

C. 6,100

B. 6,000

D. 6,005

11) Add: $\frac{4}{10} + \frac{15}{100}$.

A. $\frac{19}{100}$

C. $\frac{55}{100}$

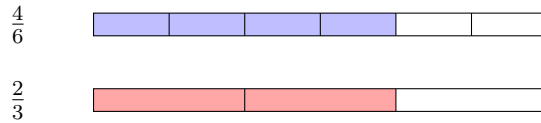
B. $\frac{4}{15}$

D. $\frac{59}{100}$



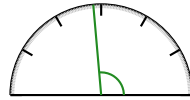
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12) Two fraction bars are shown below. Which statement is correct?



- A. $\frac{4}{6} < \frac{2}{3}$
 C. $\frac{4}{6} = \frac{2}{3}$
 B. $\frac{4}{6} > \frac{2}{3}$
 D. Cannot determine

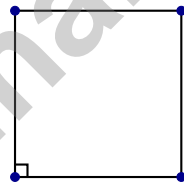
13)



Is this angle acute, right, obtuse, or straight?

- A. Acute
 C. Obtuse
 B. Right
 D. Straight

14) How many right angles are shown in this figure?



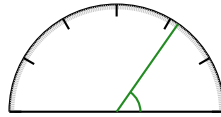
- A. 1 right angle
 C. 3 right angles
 B. 2 right angles
 D. 4 right angles

15) Which of the following does **not** have at least one line of symmetry?

- A. Right isosceles triangle
 C. Scalene right triangle
 B. Equilateral triangle
 D. Isosceles trapezoid



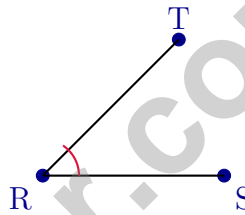
1)



Diego measures an angle and finds it to be between 45 and 60 degrees. Which is a reasonable degree measure?

- A. 53 degrees C. 62 degrees
 B. 40 degrees D. 70 degrees

2) Look at this diagram:



Using three points, how would you name the angle shown by the red arc?

- A. Angle S C. Angle ST
 B. Angle TRS D. Angle R

3) Which number rounds to 70,000 when rounded to the nearest ten thousand?

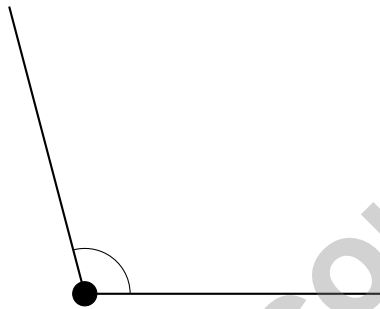
- A. 64,999 C. 75,001
 B. 74,500 D. 75,499



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- 4) On a line plot with fourths, the data are: $\frac{1}{4}$ in, $\frac{2}{4}$ in, $\frac{2}{4}$ in, $\frac{2}{4}$ in, $\frac{3}{4}$ in, $\frac{3}{4}$ in. What measurement has the most X marks?

5)



Which statement about this angle is correct?

- A. It is less than a right angle C. It is more than a right angle but less than straight
 B. It is a right angle D. It is a straight angle
- 6) Sam has 4 trading cards. Maya has 6 times as many trading cards as Sam. How many trading cards does Maya have?
- A. 10 C. 28
 B. 20 D. 24



1) In the number 4,567, what is the value of the digit 4?

A. 4

C. 400

B. 40

D. 4,000

2) How many 30° angles are needed to make a complete turn around a circle?

3) Which fraction is NOT equal to $\frac{1}{2}$?

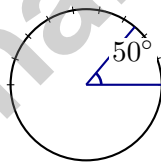
A. $\frac{3}{6}$

C. $\frac{5}{10}$

B. $\frac{4}{8}$

D. $\frac{2}{5}$

4)



Diego's angle measures 50 degrees. How many one-degree angles are in his angle?

A. 25 one-degree angles

C. 100 one-degree angles

B. 50 one-degree angles

D. 5 one-degree angles



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

Start with $\frac{3}{2}$



Take away $\frac{1}{2}$; ? remains

A. $\frac{2}{4}$

C. $\frac{1}{2}$

B. $\frac{2}{2}$ or 1

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

6) What is $1,245 \div 5$?

A. 229

C. 289

B. 269

D. 249

7) Which shows $\frac{7}{8}$ decomposed correctly?

A. $\frac{4}{8} + \frac{3}{8}$

C. $\frac{6}{8} + \frac{2}{8}$

B. $\frac{5}{8} + \frac{3}{8}$

D. $\frac{3}{8} + \frac{3}{8}$

8) Which expression does NOT equal $\frac{7}{10}$?

A. Seven unit fractions of $\frac{1}{10}$

C. $\frac{1}{7} + \frac{1}{7} + \frac{1}{7} + \frac{1}{7} + \frac{1}{7} + \frac{1}{7} + \frac{1}{7}$

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

D. 7 parts out of 10

9) Which sum is correct?

A. $\frac{7}{10} + \frac{10}{100} = \frac{80}{100}$

C. $\frac{7}{10} + \frac{10}{100} = \frac{7}{10}$

B. $\frac{7}{10} + \frac{10}{100} = \frac{17}{110}$

D. $\frac{7}{10} + \frac{10}{100} = \frac{7}{100}$



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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 4,655.** (4.NBT.A.2) Regroup carefully across the zeros: $7,000 - 2,345 = 4,655$.
- Choice D is correct.** (4.RA.A.1) “2 times as many” means multiply by 2: $2 \times 100 = 200$ action figures.
- Choice B is correct.** (4.GM.A.2) One-twelfth of the circle is $\frac{1}{12} \times 360^\circ = 30^\circ$, which matches the spacing between hour marks on a clock.
- Choice B is correct.** (4.GM.A.2) At 3 o'clock, the clock hands form a perfect right angle (90 degrees).
- Choice C is correct.** (4.DS.A.2) Look at the line plot where $\frac{2}{4}$ inch is marked. Count the X marks stacked above that tick: we see **3** marks.
- Choice B is correct.** (4.NF.B.5) Since $\frac{2}{6} < \frac{5}{6}$, regroup: $3\frac{2}{6} = 2\frac{8}{6}$. Subtract: $2\frac{8}{6} - 1\frac{5}{6} = 1\frac{3}{6}$ pizzas.
- Choice B is correct.** (4.NF.B.7) The fraction $\frac{7}{8}$ is equal to 7 copies of the unit fraction $\frac{1}{8}$, so we have $7 \times \frac{1}{8} = \frac{7}{8}$. There are **7** unit fractions.
- Choice A is correct.** (4.GM.A.2) Since the angle turns through 75 one-degree angles, it measures **75°**.
- Choice B is correct.** (4.GM.C.6) Since 1 kilogram = 1,000 grams, multiply: $3 \times 1,000 = 3,000$ g. The answer is **3,000** g.
- Choice A is correct.** (4.NBT.A.1) We're rounding to the nearest ten. Look at the ones digit: 5. Since $5 \geq 5$, we round UP! The tens digit goes from 0 to 1, giving us **6,010**. ✓
- Choice C is correct.** (4.NF.C.9) Convert $\frac{4}{10}$ to hundredths: $\frac{4}{10} = \frac{40}{100}$. Now we can add: $\frac{40}{100} + \frac{15}{100} = \frac{55}{100}$.
- Choice C is correct.** (4.NF.A.1) Both bars show identical shading. They're equivalent: $\frac{4}{6} = \frac{2}{3}$.
- Choice C is correct.** (4.GM.B.5) This angle measures about 95° , which is more than 90° but less than 180° . That's the definition of obtuse, so the answer is obtuse.
- Choice D is correct.** (4.GM.A.1) A square is built from four perfect corners, and each corner is exactly 90° . Count them: four corners means four right angles!
- Choice C is correct.** (4.GM.A.3) A scalene right triangle has all three sides different lengths and a right angle. Since nothing matches on either side, no fold creates matching halves. The answer is Scalene right triangle.
- Choice D is correct.** (4.NBT.A.4) In 2,345, the thousands digit is 2. Each thousands block represents 1,000, so Maya used **2** thousands blocks. ✓
- The correct answer is A, C.** (4.NF.B.5) Let's check each choice. Choice A: $\frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6} = \frac{4}{6}$ (correct!). Choice C: “Four unit fractions” also describes this sum (correct!). Choices B, D, E: Wrong denominators or wrong totals.
- Choice C is correct.** (4.NF.B.5) The top bar is completely full (1 whole). The bottom bar is filled $\frac{3}{4}$ of the way. Together: $1\frac{3}{4}$. ✓
- Choice D is correct.** (4.NF.A.1) To get a denominator of 12 from 3, multiply by 4. Multiply both top and bottom by 4: $\frac{2}{3} = \frac{2 \times 4}{3 \times 4} = \frac{8}{12}$.
- Choice C is correct.** (4.NF.C.9) Order by time: $0.44 < 0.47 < 0.74$. Smaller time means faster! Casey's 0.44 seconds is the fastest.
- Choice C is correct.** (4.NF.B.5) At the bake sale, cookies were sold over two time periods. Step 1: Add morning and afternoon sales: $\frac{7}{12} + \frac{3}{12} = \frac{10}{12}$. Step 2: Find what remains unsold: $\frac{12}{12} - \frac{10}{12} = \frac{2}{12}$.
- Choice A is correct.** (4.NBT.A.7) Notice: $28 \div 7 = 4$ and $0 \div 7 = 0$. So the quotient is **400**.
- Choice A is correct.** (4.NF.B.7) We have 2 strings that are each $\frac{2}{8}$ meter long. We multiply: $2 \times \frac{2}{8} = \frac{4}{8}$, which simplifies to $\frac{1}{2}$ meter.
- Choice A is correct.** (4.NF.B.4) The pizza shows two adjacent sections. Combine them: $37^\circ + 58^\circ = 95^\circ$.
- The correct answer is 99 sq m.** (4.GM.C.8) Area = $11 \times 9 = 99$ sq m.
- Choice C is correct.** (4.GM.C.7) Each bottle holds 750 mL. With 2 bottles, multiply: $750 \times 2 = 1,500$ mL. There are **1,500** milliliters of water.
- The correct answer is 4.** (4.GM.A.2) By definition, a quadrilateral is a four-sided figure. The answer is **4**.
- Choice C is correct.** (4.NF.B.7) The table shows multiples of $\frac{1}{3}$. The 3rd multiple is $3 \times \frac{1}{3} = \frac{3}{3}$.



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Lab Notes for a Young Scientist

Hi, Curious Scientist!

◇ 8 tests. So many experiments! You tested ideas. You watched what worked. You learned a lot. That's how scientists work—and how you work! ◇

★ **Scientists know:** mistakes are facts, not failures. Every problem you missed taught you something. You used those facts to do better next time. ★

Lab Results

- **Hypothesis:** CONFIRMED! Practice makes you better.
- **Method:** STRONG! You try, watch, and adjust.
- **Data:** CAREFUL! You read and copy numbers right.
- **Conclusion:** READY! You can do this test.

Scientist tip: on test day, stay curious. Ask, "What is this asking?" Then experiment with your math tools. You will find the answer!

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

Jay Daie

Your Math Scientist

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.

Featuring 8 full-length practice tests, a variety of question types, and detailed answer explanations, this book provides the practice and support students need to improve accuracy, strengthen problem-solving abilities, and achieve their best.

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

PERFECT FOR:

- ✓ Classroom Practice
- ✓ Homework & Review
- ✓ Independent Learning
- ✓ Test Preparation
- ✓ Skill Reinforcement

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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.



Academic Success

Strengthen skills needed for future learning.

TOPICS COVERED

- ✓ Place Value & Number Sense
- ✓ Multi-Digit Addition & Subtraction
- ✓ Multiplication & Division
- ✓ Fractions & Equivalent Fractions
- ✓ Geometry & Shapes
- ✓ Measurement & Data
- ✓ Perimeter & Area
- ✓ Word Problems
- ✓ Patterns & Algebraic Thinking
- ✓ Graphs & Data Interpretation
- ✓ Mathematical Reasoning
- ✓ And More!



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