

5 Missouri MAP Grade 4 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Five 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.

Jay Daie and Reza Nazari



Copyright ©

Testinar Inc



Published by Testinar Inc

Testinar.com

All rights reserved. No part of this publication may be reproduced, distributed, or transmitted in any form or by any means, including photocopying, recording, or other electronic or mechanical methods, without the prior written permission of the author, except in the case of brief quotations embodied in critical reviews and certain other noncommercial uses permitted by copyright law, including Section 107 or 108 of the 1976 United States Copyright Act.

This publication is independently produced and has no official connection to any state, district, or national testing program.

Test names and organizational names used herein are the property of their respective trademark holders.



Copyright ©

Welcome, Missouri Math Explorer!

Five steady rounds on the Show-Me State math route

This book gives you five 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?

Five tests, 150 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 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.



Scan me!
For more practice
& answers

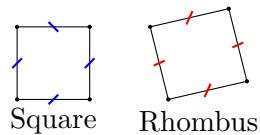
Table of Contents

★ Practice Test 1	_____	14
★ Practice Test 2	_____	25
★ Practice Test 3	_____	36
★ Practice Test 4	_____	48
★ Practice Test 5	_____	60
Practice Test Answer Keys	_____	70
Practice Test Answers and Explanations	_____	74

1) Line segment PQ and line segment QP are:

- A. Different segments C. Perpendicular
 B. The same segment D. Parallel

2) Which attribute is shared by both a square and a rhombus?



- A. All sides are equal C. No parallel sides
 B. All angles are right angles D. Only three sides

3) Which number does NOT belong in this pattern? 12, 24, 36, 50, 60

- A. 12 C. 50
 B. 36 D. 60

4) Ava reads 8 pages a day for 12 days. Noah reads 10 pages a day for 9 days. How many more pages does Ava read than Noah?

- A. 2 pages C. 26 pages
 B. 18 pages D. 6 pages

5) A cake is divided into 2 equal halves. Both halves are eaten. Which shows this as a sum of unit fractions?

- A. $\frac{1}{2}$ C. $\frac{2}{2}$
 B. $\frac{1}{2} + \frac{1}{2}$ D. $\frac{1}{1}$



6) Write $\frac{6}{10}$ as a decimal.

A. 0.06

C. 6.0

B. 0.6

D. 60.0

7) Round 34,750 to the nearest thousand.

8) A rectangle that is **not** a square has how many lines of symmetry?

A. 1

C. 3

B. 2

D. 4

9) Which of these is NOT equivalent to $\frac{1}{3}$?

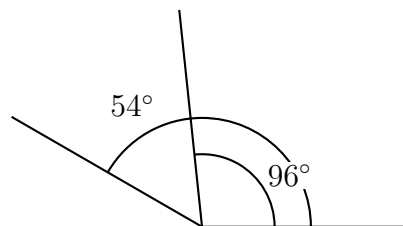
A. $\frac{2}{6}$

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

B. $\frac{3}{9}$

D. $\frac{4}{12}$

10) A fountain has a water spray. The spray sweeps through an angle of 96° in the first second, then 54° in the next second. What is the total angle swept?



A. 42°

C. 96°

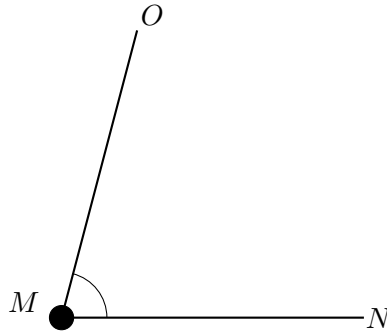
B. 150°

D. 180°



Scan me!
For more practice
& answers

11)

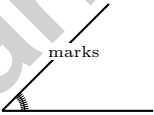


The angle $\angle NMO$ is shown. How would you name this angle differently?

 A. $\angle NOM$ C. $\angle OMN$ B. $\angle ONM$ D. $\angle MOM$ 12) What is $5 \times \frac{2}{10}$? A. $\frac{7}{10}$ C. $\frac{10}{10}$ or 1 B. $\frac{5}{10}$ D. $\frac{2}{50}$

13) A company has 495,672 employees across all offices. How should this be written in word form?

 A. Four hundred ninety thousand, five hundred seventy-two C. Four hundred thousand, ninety-five thousand, six hundred seventy-two B. Forty-nine thousand, five hundred thousand, six hundred seventy-two D. Four hundred ninety-five thousand, six hundred seventy-two

- 1) 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
- 2) When measuring an angle, which edge of the protractor must one ray of the angle lie along?
- A. The straight baseline edge C. The left curved side
 B. The rounded edge D. Any edge works equally well
- 3) The space outside an angle is called:
- A. the interior C. the vertex
 B. the exterior D. a side
- 4) 
- The angle opens from 0° to 45° . What is its measure?
- A. 45° C. 46°
 B. 50° D. 90°
- 5) Ava has read $\frac{7}{10}$ of her book. She read $\frac{3}{10}$ on Monday and the rest on Tuesday. How much did she read on Tuesday?
- A. $\frac{2}{10}$ C. $\frac{5}{10}$
 B. $\frac{4}{10}$ D. $\frac{10}{10}$



Scan me!
For more practice
& answers

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.

Testinar.com



Practice Test Answers and Explanations

Practice Test 1 Answers and Explanations

- Choice B is correct.** **(4.GM.A.1)** Whether you call it segment PQ or segment QP , you're describing the exact same straight path between the two points. The order doesn't matter.
- Choice A is correct.** **(4.GM.A.2)** Both a square and a rhombus have four equal sides in length. However, a square must have all right angles at each corner, while a rhombus does not have to have any right angles. The answer is **A**.
- Choice C is correct.** **(4.RA.B.4)** The pattern should follow "add 12," giving multiples of 12: 12, 24, 36, 48, 60, ... Looking at the list, 50 does not appear in that sequence ($48 + 12 = 60$, not 50). So **50** is the number that doesn't belong.
- Choice D is correct.** **(4.RA.A.2)** Three steps! Step 1: Ava's total: $8 \times 12 = 96$ pages. Step 2: Noah's total: $10 \times 9 = 90$ pages. Step 3: "how many more" is a subtraction: $96 - 90 = 6$ pages.
- Choice B is correct.** **(4.NF.B.5)** The cake is divided into 2 equal halves, and both are eaten. That's the whole cake: $\frac{2}{2}$. As unit fractions: $\frac{1}{2} + \frac{1}{2}$.
- Choice B is correct.** **(4.NF.C.9)** Tenths fill the first decimal place. $\frac{6}{10} = 0.6$, so the answer is **0.6**.
- The correct answer is 35,000.** **(4.NBT.A.1)** We're rounding to the nearest thousand. The hundreds digit is $7 \geq 5$, so round UP from 34,000 to **35,000**. ✓
- Choice B is correct.** **(4.GM.A.3)** A non-square rectangle is longer in one direction, so it balances in two ways: a vertical fold through the middle and a horizontal fold through the middle. The answer is **2** lines of symmetry.
- Choice C is correct.** **(4.NF.A.1)** Check each option: $\frac{1}{3} = \frac{2}{6} = \frac{3}{9} = \frac{4}{12}$. All equivalent! But $\frac{2}{5}$ is different because when you cross-multiply, $2 \times 3 = 6$ but $5 \times 1 = 5$.
- Choice B is correct.** **(4.NF.B.4)** The water spray sweeps in two bursts. Add the angles: $96^\circ + 54^\circ = \mathbf{150^\circ}$.
- Choice C is correct.** **(4.GM.A.2)** An angle can be named in reverse order, but the vertex must stay in the middle. Since M is the vertex, $\angle NMO$ and $\angle OMN$ name the same angle.
- Choice C is correct.** **(4.NF.B.7)** We take 5 copies of $\frac{2}{10}$. Multiply: $5 \times \frac{2}{10} = \frac{5 \times 2}{10} = \frac{10}{10} = 1$. The answer is **1**.
- Choice D is correct.** **(4.NBT.A.2)** Breaking it: 495 thousands ("four hundred ninety-five thousand") and 672 ones ("six hundred seventy-two") ✓
- The correct answer is A, C.** **(4.RA.A.1)** "4 times as many" means $4 \times 8 = 32$ pins—that's choice A. The equation in C, $x = 4 \times 8$, captures the same idea. Choice B (12) is wrong (likely from $8 + 4$); D incorrectly says 2 times instead of 4; and E uses addition, not multiplication.
- Choice D is correct.** **(4.NBT.A.7)** Use long division: $16 \div 5 = 3$ r1, bring down the 2 to get $12 \div 5 = 2$ r2, bring down the 5 to get $25 \div 5 = 5$. The result is **325**.
- Choice C is correct.** **(4.GM.B.5)** Obtuse angles are wider than right angles but not quite flat. Since 150° is between 90° and 180° , it fits the obtuse definition perfectly. The answer is obtuse.
- Choice C is correct.** **(4.DS.A.2)** Look at the line plot where $\frac{3}{8}$ is marked. Count the X marks stacked above it: there are **3** marks.
- The correct answer is 3.** **(4.RA.B.4)** Find every pair that multiplies to 28: 1×28 , 2×14 , 4×7 . (Note: 3, 5, and 6 don't divide 28 evenly.) So there are **3** factor pairs.
- Choice B is correct.** **(4.NF.B.7)** Multiples of $\frac{1}{3}$ count by thirds: first $\frac{1}{3}$, then $\frac{2}{3}$, then $\frac{3}{3}$, then $\frac{4}{3}$. The fraction $\frac{3}{3}$ equals 1, but it is written in thirds here to show the counting pattern. That's exactly what choice B shows!
- Choice B is correct.** **(4.GM.A.2)** A 35° angle is made of **35** one-degree angles.
- Choice C is correct.** **(4.NF.B.7)** Seven jars, each holding $\frac{1}{4}$ liter of honey, give us $7 \times \frac{1}{4} = \frac{7}{4}$ liters.
- Choice B is correct.** **(4.NF.C.9)** We can divide both the numerator and denominator by 10 to simplify: $\frac{40}{100} = \frac{4}{10}$.
- Choice C is correct.** **(4.NF.B.7)** Each jump is $\frac{1}{3}$. Making 6 jumps is the same as $6 \times \frac{1}{3} = \frac{6}{3}$. Since 3 thirds make one whole, $\frac{6}{3}$ equals **2** wholes.
- Choice D is correct.** **(4.NBT.A.6)** Break 15 into parts: $52 \times (10 + 5) = 520 + 260 = \mathbf{780}$.
- Choice B is correct.** **(4.GM.C.6)** Since 1 liter = 1,000 milliliters, multiply: $5,000 \times 1,000 = 5,000,000$ mL. The answer is **5,000,000** mL.
- Choice A is correct.** **(4.NF.B.5)** Add the wholes: $2 + 1 = 3$. Add the fractions: $\frac{3}{8} + \frac{4}{8} = \frac{7}{8}$. The sum is **3 $\frac{7}{8}$** .



A Note From Your Math Friend

Hi, Math Star!

◇ Wow! You finished 5 full practice tests. That is a LOT of math problems. You worked hard, and your brain got stronger every time. ◇

★ **Here is a big idea:** mistakes are okay! Every time you got something wrong, you got smarter. Through 5 tests, you learned that trying is the most important thing. ★

Look What You Did!

- **Hard Worker:** You did not give up!
- **Smart Thinker:** You used your math tools.
- **Brave Learner:** You tried hard problems.
- **Test Ready:** You feel proud and prepared.

Big tip for test day: take your time. Read each problem twice. Show your work. Check your answer. You can do this!

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

Jay Daie

Your Math Friend

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.

PERFECT FOR:

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

★ CONFIDENCE TODAY.
SUCCESS TOMORROW!

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.



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.

TOPICS COVERED

- ✓ Place Value & Number Sense
- ✓ Addition & Subtraction
- ✓ Multiplication & Division
- ✓ Fractions & Equivalent Fractions
- ✓ Decimals
- ✓ Geometry & Measurement
- ✓ Perimeter & Area
- ✓ Data, Graphs & Line Plots
- ✓ Patterns & Algebraic Thinking
- ✓ Word Problems
- ✓ And More!



Visit testinar.com/math4 for additional Grade 4 math resources and practice materials.

MORE PRACTICE. GREATER RESULTS.

Give your child the tools needed to develop strong math skills, confidence, and a positive attitude toward learning.



5 Full-Length Practice Tests



Standards-Aligned



Build Confidence and Skills



Mixed Question Types



Answer Key Included

A+