

5

New Mexico NM MSSA

Standards-Aligned Review with
Mixed Practice and Answer Key



5 New Mexico NM-MSSA Grade 4 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Five complete 30-question Grade 4 practice rounds for NM-MSSA, built around mesa views, bright art patterns, and careful fraction thinking, with answer keys and clear explanations for every item.

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Welcome, New Mexico Math Explorer!

Five steady rounds on the Land of Enchantment math route

This book gives you five full Grade 4 practice tests for NM-MSSA. Each round uses mesa views, bright art patterns, and careful fraction thinking to keep practice memorable while you read carefully, choose a strategy, show work, and check the answer.

New Mexico 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 New Mexico NM-MSSA 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 Land of Enchantment 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 NM-MSSA 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	_____	15
★ Practice Test 2	_____	27
★ Practice Test 3	_____	39
★ Practice Test 4	_____	51
★ Practice Test 5	_____	62
Practice Test Answer Keys	_____	72
Practice Test Answers and Explanations	_____	76

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

- 2) Which shows a multiple of $\frac{2}{3}$?

A. $\frac{2}{6}$
 B. $\frac{4}{9}$

C. $\frac{4}{3}$
 D. $\frac{5}{6}$

- 3) Express 0.23 as a fraction.

A. $\frac{23}{10}$
 B. $\frac{23}{100}$

C. $\frac{2}{3}$
 D. $\frac{23}{1000}$

- 4) Find $3 \times \frac{5}{6}$ as a mixed number.

- 5) Which is NOT a valid decomposition of $\frac{12}{10}$?

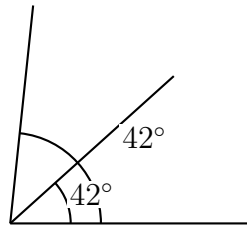
A. $\frac{10}{10} + \frac{2}{10}$
 B. $\frac{5}{10} + \frac{5}{10} + \frac{2}{10}$

C. $\frac{8}{10} + \frac{3}{10}$
 D. $\frac{6}{10} + \frac{6}{10}$



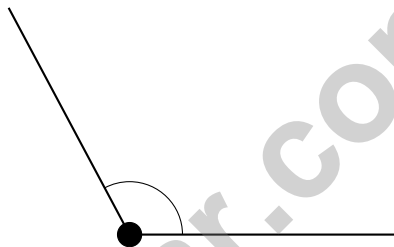
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- 6) Two rays meet at a vertex, forming an angle. The angle is divided into two equal parts by another ray. If each part measures 42° , what is the total angle measure?



- A. 42° C. 21°
 B. 84° D. 90°

7)



This angle is bigger than a right angle. What is it called?

- A. Acute C. Obtuse
 B. Right D. Straight
- 8) What is the sum of the following unit fractions: $\frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4}$?
- A. $\frac{4}{4}$ C. $\frac{1}{4}$
 B. $\frac{4}{16}$ D. $\frac{1}{16}$



1) A pizza is cut into 6 equal slices. Max ate 2 slices. Another pizza was cut into 3 equal slices, and Cole ate 1 slice. If both pizzas started the same size, did Max and Cole eat equivalent amounts?

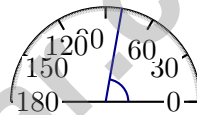
- A. Yes, both ate $\frac{1}{3}$
 B. Yes, both ate $\frac{1}{2}$

- C. No, Max ate more
 D. No, Cole ate more

2) How many lines of symmetry does a non-square rectangle have?



3)



What is the measure of the angle shown?

- A. 80 degrees
 B. 75 degrees

- C. 85 degrees
 D. 90 degrees

4) A swimming pool cover is rectangular and measures 20 meters long and 8 meters wide. How much space does the cover take up?

- A. 28 sq m
 B. 56 sq m

- C. 160 sq m
 D. 180 sq m



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& answers

5) Round 6,005 to the nearest ten.

A. 6,010

C. 6,100

B. 6,000

D. 6,005

6) Write $\frac{5}{10}$ as an equivalent fraction with denominator 100.

A. $\frac{5}{100}$

C. $\frac{500}{100}$

B. $\frac{50}{100}$

D. $\frac{50}{10}$

7) Mia buys 4 ribbons, each one-sixth of a yard long. How long are all the ribbons together?

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

C. $\frac{1}{24}$ yard

B. 4 yards

D. $\frac{6}{4}$ yard

8) Which number is less than 345,200?

A. 345,300

C. 346,200

B. 354,200

D. 345,100

9) Compare: $\frac{3}{8}$ and $\frac{3}{10}$.

A. $\frac{3}{8} < \frac{3}{10}$

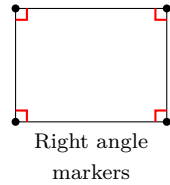
C. $\frac{3}{8} = \frac{3}{10}$

B. Cannot compare

D. $\frac{3}{8} > \frac{3}{10}$



1) Look at this shape with right angle markers. How many right angles does it have?



- A. One right angle C. Three right angles
 B. Two right angles D. Four right angles

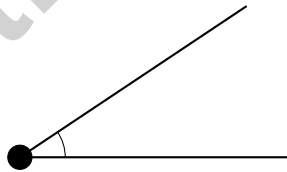
2) A fountain holds 20 gallons of water. How many quarts is this?

- A. 5 C. 80
 B. 40 D. 160

3) How many thirds are in $\frac{3}{3}$?

- A. 0 C. 3
 B. 1 D. 6

4)



Comparing this angle to a right angle, this angle is:

- A. larger C. smaller
 B. the same size D. a straight angle



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 18 oz.** (4.MD.A.2) The baker has 50 ounces and uses 32 ounces. Subtract: $50 - 32 = 18$ ounces. There are **18** ounces left.
- Choice C is correct.** (4.NF.B.4) The multiples of $\frac{2}{3}$ are: $\frac{2}{3}, \frac{4}{3}, \frac{6}{3}, \dots$ Each one is obtained by multiplying $\frac{2}{3}$ by whole numbers. Since $\frac{4}{3} = 2 \times \frac{2}{3}$, the answer is $\frac{4}{3}$.
- Choice B is correct.** (4.NF.C.5) When you see 0.23, you're looking at twenty-three hundredths: $0.23 = \frac{23}{100}$.
- The correct answer is $2\frac{1}{2}$.** (4.NF.B.4) We take 3 copies of $\frac{5}{6}$. Multiply: $3 \times \frac{5}{6} = \frac{3 \times 5}{6} = \frac{15}{6} = 2\frac{1}{2}$. The answer is **$2\frac{1}{2}$** .
- Choice C is correct.** (4.NF.B.3) Option C: $8 + 3 = 11$, not 12. So $\frac{8}{10} + \frac{3}{10} = \frac{11}{10} \neq \frac{12}{10}$. C is the wrong one ✓.
- Choice B is correct.** (4.MD.C.7) The diagram shows the angle divided into two equal parts by a ray. Add them: $42^\circ + 42^\circ = 84^\circ$.
- Choice C is correct.** (4.MD.C.5) An obtuse angle opens wider than a right angle.
- Choice A is correct.** (4.NF.B.3) Four copies of $\frac{1}{4}$ are $\frac{4}{4}$, which makes one whole. Count the numerators: $1+1+1+1 = 4$.
- Choice D is correct.** (4.OA.A.1) The larger bar is 6 times the smaller bar, so we multiply: $3 \times 6 = 18$. The larger amount is **18**.
- Choice B is correct.** (4.MD.B.4) Let us count: $\frac{2}{8}$ cup appears 2 times, $\frac{3}{8}$ cup appears 3 times, and $\frac{4}{8}$ cup appears 1 time. So $\frac{3}{8}$ cup is the most common.
- Choice C is correct.** (4.NBT.A.3) To round to the nearest thousand, always look at the digit one place to the right—that's the hundreds digit. The answer is C: "The hundreds place (3)" ✓
- Choice C is correct.** (4.G.A.3) A square is perfectly balanced four ways: two lines pass through the centers of opposite sides (up/down and left/right), and two lines pass through opposite corners (diagonals). The answer is **4** lines of symmetry.
- Choice D is correct.** (4.OA.A.2) "3 times as many" is a multiplication signal: $3 \times 14 = 42$ hamsters.
- Choice B is correct.** (4.MD.A.1) Since 1 foot = 12 inches, multiply: $2 \times 12 = 24$ inches. The answer is **24** inches.
- The correct answer is A, C.** (4.G.A.1) Angle 1 opens just a little (about 35°), making it acute. Angle 2 has that perfect right angle marker, so it's 90° . They're definitely not equal to each other!
- The correct answer is 65.** (4.MD.C.5) An angle turning through 65 one-degree angles has a measure of **65°** .
- Choice D is correct.** (4.OA.B.4) Look for any factor besides 1 and 27. Since $27 = 3 \times 9$, both 3 and 9 are also factors. With factors 1, 3, 9, 27 (more than two), 27 is **composite**.
- Choice D is correct.** (4.NF.A.1) Grid 1 shows $\frac{4}{8}$ with half shaded, Grid 2 shows $\frac{2}{4}$ with half shaded, Grid 3 shows $\frac{3}{6}$ with half shaded. All equal!
- Choice C is correct.** (4.NBT.B.6) Divide: $14 \div 8 = 1$ r6, bring down the 5 to get $65 \div 8 = 8$ r1, bring down the 6 to get $16 \div 8 = 2$. Each animal receives **182** pounds of feed.
- Choice A is correct.** (4.NF.C.5) Three dimes = $\frac{3}{10}$ dollar, and thirty pennies = $\frac{30}{100}$ dollar. They're equal!
- Choice D is correct.** (4.NBT.B.5) Split both: $17 = 10 + 7$ and $19 = 10 + 9$. The four partial products are: $10 \times 10 = 100$, $10 \times 9 = 90$, $7 \times 10 = 70$, $7 \times 9 = 63$.
- Choice C is correct.** (4.NF.B.3) Add the wholes: $3 + 1 = 4$. Add the fractions: $\frac{4}{6} + \frac{2}{6} = \frac{6}{6} = 1$. Since $\frac{6}{6}$ is a whole, combine: $4 + 1 = 5$.
- Choice D is correct.** (4.OA.A.3) Two steps! Step 1: find Kai's total cars. $15 + 9 = 24$ cars. Step 2: equal boxes means divide: $24 \div 4 = 6$ cars in each box.
- Choice B is correct.** (4.MD.C.5) Divide degrees by 360 to find the fraction: $\frac{210}{360} = \frac{7}{12}$ (simplifying by 30). Answer: $\frac{7}{12}$.
- Choice A is correct.** (4.NBT.B.4) Add by place value: ones $1 + 8 = 9$, tens $2 + 7 = 9$, hundreds $3 + 6 = 9$, thousands $4 + 5 = 9$, ten-thousands $5 + 4 = 9$. The sum is **99,999**.
- Choice B is correct.** (4.NF.B.3) The pie chart shows three slices: yellow ($\frac{3}{12}$), orange ($\frac{4}{12}$), and red ($\frac{5}{12}$). Add them all: $3 + 4 + 5 = 12$ twelfths = **1** whole pie.



Hi, Strong Climber!

◇ You climbed all 5 tests. One step at a time. That takes patience and grit. The view from the top is amazing because you earned it! ◇

★ **Mountain guides say:** steady steps win the climb. You climbed steady. You stayed strong. ★

Climber's Skills

- **Strong Steps:** You move forward, problem by problem.
- **Steady Pace:** You don't rush. You don't stop.
- **Map Skills:** You read questions carefully.
- **Top of the Mountain:** You can finish a long test.

Guide's tip: on test day, take small breaths between problems. One foot, then the next. You'll reach the top!

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

Jay Daie

Your Math Trail Guide

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!



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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+