

# 4

# New Mexico

# NM MSSA

## GRADE 4

# MATH

## PRACTICE TESTS



5 FULL-LENGTH  
PRACTICE TESTS



Standards-Aligned Review with  
Mixed Practice and Answer Key



STANDARDS-ALIGNED  
REVIEW



MIXED PRACTICE  
QUESTIONS



ANSWER KEY  
INCLUDED



$$4 \times 7 = 28$$

$$36 \div 9 = 4$$



# 4 New Mexico NM-MSSA Grade 4 Math Practice Tests

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



Four focused 30-question missions for Grade 4 math: number facts, fractions, measurement, data, area, shapes, answer keys, and clear explanations for every item.

**Jay Daie and Reza Nazari**



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# Welcome, New Mexico Math Explorer!

Four steady rounds on the Land of Enchantment math route

This book gives you four 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?

Four tests, 120 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 2–4	Skill-building rounds with fractions, measurement, area, data, and two-step problems.
Tests 2–4	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.

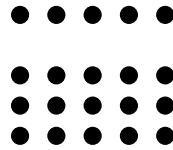


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& answers

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5 apples



3 times as many

1)

Priya picked 5 apples. Her sister picked 3 times as many apples. How many apples did her sister pick?

A. 8

C. 20

B. 12

D. 15

2) The school cafeteria served 1,250 lunches last month. What is the value of the digit 2 in this number?

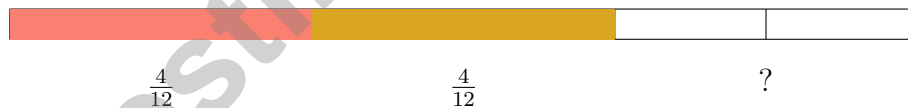
A. 2

C. 200

B. 20

D. 2,000

3)



A trail is divided into three equal sections. First hikers cover  $\frac{4}{12}$  (red) and next hikers cover  $\frac{4}{12}$  (gold). How much trail is left?

A.  $\frac{8}{12}$

C.  $\frac{12}{12}$

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

D.  $\frac{2}{12}$



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4) Subtract:  $7,000 - 2,345 = ?$

5) Which problem has an answer of  $4\frac{1}{2}$ ?

A.  $2\frac{1}{2} + 2$

B.  $5\frac{1}{2} - 2\frac{1}{2}$

C.  $3\frac{1}{2} + 1\frac{1}{2}$

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

6) Which fraction is greater than 1?

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

B.  $\frac{5}{6}$

C.  $\frac{5}{4}$

D.  $\frac{7}{8}$

7) A line plot shows pebble sizes in eighths of an inch. There are 2 pebbles at  $\frac{2}{8}$  inch, 4 pebbles at  $\frac{3}{8}$  inch, and 1 pebble at  $\frac{5}{8}$  inch. How many pebbles are there in total?

A. 5

B. 6

C. 7

D. 8

8) A protractor is placed on an angle that opens to the right. One ray aligns with the 0-degree mark on the baseline. The other ray points to where two numbers appear: 65 on the outer scale and 115 on the inner scale. Which is the correct measure?

 A. 65 degrees (use outer scale if angle opens right) B. 115 degrees (use inner scale if angle opens left) C. 50 degrees (115 minus 65) D. Both are correct; protractors have two valid answers

9) How does 0.4 compare to 0.40?

A.  $0.4 < 0.40$

B.  $0.4 > 0.40$

C.  $0.4 = 0.40$

D.  $0.4 = 0.04$

10) Sam has 4 feet of ribbon. How many inches of ribbon does he have?

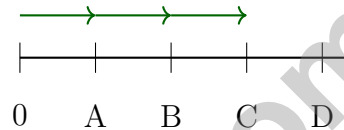
A. 12

B. 24

C. 36

D. 48

11) Sam has a number line with hops of  $\frac{1}{4}$ . Which point represents  $3 \times \frac{1}{4}$ ?

 A. Point A B. Point B C. Point C D. Point D

12) A fundraiser sold 1,512 raffle tickets. They want to split the money equally among 7 charities. If each ticket costs \$1, how much money does each charity receive?

A. \$206

B. \$236

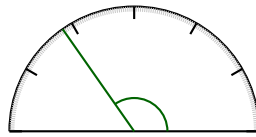
C. \$226

D. \$216

13) Write the numeral for “three hundred nineteen thousand, five hundred two”.



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1)

What is the measure of this angle?

- A. 115 degrees                       C. 125 degrees  
 B. 120 degrees                       D. 135 degrees
- 2) Mia plants flowers in 7 rows with 25 flowers in each row. How many flowers does she plant?
- A. 140                                   C. 175  
 B. 210                                   D. 245
- 3) A pencil is  $\frac{2}{5}$  decimeter long. What is the total length of 5 pencils?
- A.  $\frac{2}{25}$  decimeter                       C.  $\frac{7}{5}$  decimeters  
 B.  $\frac{10}{5}$  decimeters (or 2 decimeters)                       D.  $\frac{10}{25}$  decimeter
- 4) A delivery truck carries 25 boxes. Each box weighs 8 pounds. What is the total weight in ounces?
- A. 200 ounces                                   C. 3,200 ounces  
 B. 800 ounces                                   D. 6,400 ounces
- 5) A runner completes  $1\frac{3}{5}$  laps in the morning and  $2\frac{1}{5}$  laps in the afternoon. How many laps did she run in total?
- A.  $3\frac{4}{5}$      C.  $3\frac{2}{5}$   
 B.  $1\frac{2}{5}$      D.  $4\frac{1}{5}$



6) Which fraction is less than 1?

- A.  $\frac{4}{3}$   
 B.  $\frac{9}{8}$

- C.  $\frac{7}{10}$   
 D.  $\frac{6}{5}$

7) What is  $8,432 - 3,657$ ?

- A. 4,225  
 B. 5,775

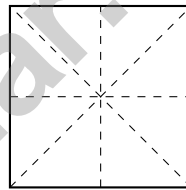
- C. 5,225  
 D. 4,775

8) Which is another way to write  $\frac{1}{2} + \frac{1}{2} + \frac{1}{2}$ ?

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

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

9) Look at this square with all lines of symmetry drawn as dashed lines. Are all of these lines correct?



- A. Yes, all are correct  
 B. No, only the vertical and horizontal are correct

- C. No, the diagonals are not lines of symmetry  
 D. No, the square has no lines of symmetry

10) Zara read  $3\frac{2}{5}$  pages in the morning and  $2\frac{3}{5}$  pages in the afternoon. What is the total number of pages she read?

- A.  $5\frac{4}{5}$  pages  
 B.  $5\frac{5}{5}$  pages

- C. 6 pages  
 D.  $6\frac{1}{5}$  pages



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1) What is  $3 \times \frac{1}{4}$ ?

- A.  $\frac{1}{12}$   
 B.  $\frac{3}{12}$

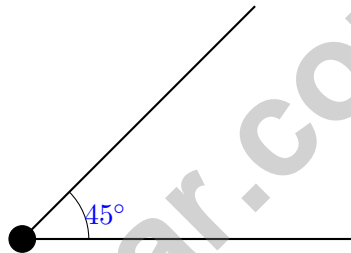
- C.  $\frac{3}{4}$   
 D.  $\frac{4}{3}$

2) Kai started with  $5\frac{4}{6}$  meters of rope. He cut off a piece, leaving  $2\frac{2}{6}$  meters. How much rope did he cut off?

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

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

3)

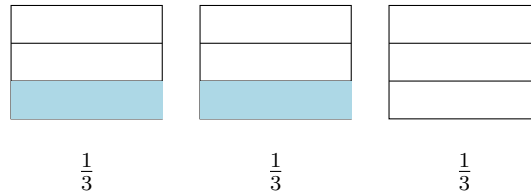


An angle measures 45 degrees. Is it acute, right, obtuse, or straight?

- A. Acute  
 B. Right

- C. Obtuse  
 D. Straight





4) two cans have paint

Three paint cans are shown. Two are  $\frac{1}{3}$  filled each (blue). One is empty. How much total paint is there?

- |   |   |
|---|---|
| <input type="checkbox"/> A. $\frac{2}{3}$ | <input type="checkbox"/> C. $\frac{3}{3}$ |
| <input type="checkbox"/> B. $\frac{1}{3}$ | <input type="checkbox"/> D. $\frac{4}{3}$ |

5) How many unit fractions of  $\frac{1}{7}$  make  $\frac{5}{7}$ ?

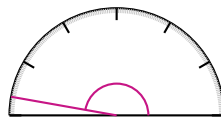
- |                               |                                |
|-------------------------------|--------------------------------|
| <input type="checkbox"/> A. 2 | <input type="checkbox"/> C. 7  |
| <input type="checkbox"/> B. 5 | <input type="checkbox"/> D. 12 |

6) What is  $\frac{90}{100}$  as a decimal?

- |                                  |                                  |
|----------------------------------|----------------------------------|
| <input type="checkbox"/> A. 0.09 | <input type="checkbox"/> C. 9.0  |
| <input type="checkbox"/> B. 0.9  | <input type="checkbox"/> D. 0.99 |

7) How many lines of symmetry does a regular triangle have?

- |                               |                               |
|-------------------------------|-------------------------------|
| <input type="checkbox"/> A. 0 | <input type="checkbox"/> C. 2 |
| <input type="checkbox"/> B. 1 | <input type="checkbox"/> D. 3 |



8)

This angle is very close to a straight line. What is the most likely measure?

- |   |   |
|---|---|
| <input type="checkbox"/> A. 150 degrees | <input type="checkbox"/> C. 170 degrees |
| <input type="checkbox"/> B. 160 degrees | <input type="checkbox"/> D. 180 degrees |



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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

- 1) **Choice D is correct.** (4.OA.A.2) The counter diagram shows 3 rows of 5 apples—that’s “3 times as many.” Multiply:  $3 \times 5 = 15$  apples.
- 2) **Choice C is correct.** (4.NBT.A.1) In 1,250, the digit 2 is in the hundreds place. Its value is  $2 \times 100 = 200$ . ✓
- 3) **Choice B is correct.** (4.NF.B.3) A hiking trail is shown with sections covered. Step 1: Add the distances the hikers covered:  $\frac{4}{12} + \frac{4}{12} = \frac{8}{12}$ . Step 2: Find what’s left:  $\frac{12}{12} - \frac{8}{12} = \frac{4}{12}$ .
- 4) **The correct answer is 4,655.** (4.NBT.B.4) Regroup carefully across the zeros:  $7,000 - 2,345 = 4,655$ .
- 5) **Choice A is correct.** (4.NF.B.3) Check choice A:  $2\frac{1}{2} + 2 = 4\frac{1}{2}$ . Correct! Add wholes:  $2 + 2 = 4$ , and keep the fraction:  $\frac{1}{2}$ . The others give different answers: B equals 3, C equals 5, D equals  $3\frac{1}{2}$ .
- 6) **Choice C is correct.** (4.NF.A.1) A fraction is greater than 1 when the numerator exceeds the denominator. Since  $5 > 4$ ,  $\frac{5}{4} > 1$ .
- 7) **Choice C is correct.** (4.MD.B.4) Add all the pebbles together:  $2 + 4 + 1 = 7$  pebbles.
- 8) **Choice A is correct.** (4.MD.C.6) The angle opens toward the right, so use the scale that starts at  $0^\circ$  on the right side—that’s the outer scale. Read the degree measure where the second ray crosses that scale. The answer is **65** degrees.
- 9) **Choice C is correct.** (4.NF.C.5) A trailing zero doesn’t change the value. Both 0.4 and 0.40 represent the same amount: 4 tenths, or 40 hundredths.
- 10) **Choice D is correct.** (4.MD.A.1) Since 1 foot = 12 inches, multiply:  $4 \times 12 = 48$  inches. The answer is **48** inches.
- 11) **Choice C is correct.** (4.NF.B.4) Starting at 0, each hop moves us forward by  $\frac{1}{4}$ . After three hops, we land at  $3 \times \frac{1}{4} = \frac{3}{4}$ , which is Point C.
- 12) **Choice D is correct.** (4.NBT.B.6) Divide:  $15 \div 7 = 2$  r1, bring down the 1 to get  $11 \div 7 = 1$  r4, bring down the 2 to get  $42 \div 7 = 6$ . Each charity receives **\$216**.
- 13) **The correct answer is 319,502.** (4.NBT.A.2) Thousands:  $319 \rightarrow 319,000$ . Ones:  $502 \rightarrow 502$ . Combined:  $319,000 + 502 = 319,502$  ✓
- 14) **Choice D is correct.** (4.NF.A.1) Mia shaded  $\frac{3}{4}$ . Circle B shows 6 out of 8 parts shaded. Multiply numerator and denominator by 2:  $\frac{3}{4} = \frac{3 \times 2}{4 \times 2} = \frac{6}{8}$  ✓ Circle A shows only  $\frac{1}{4}$ .
- 15) **Choice B is correct.** (4.MD.C.5) Ava’s angle measures  $100^\circ$ , which means it contains **100** one-degree angles.
- 16) **The correct answer is B, D.** (4.OA.A.3) Divide:  $125 \div 30 = 4$  remainder 5. Four buses fit only 120 students, so we round up to 5 buses (choice B is correct). The fifth bus carries the remainder—5 students (choice D is correct). Choice A undercounts; choice C is wrong because  $115 \div 30$  still needs 4 buses; choice E is wrong because  $3 \times 30 = 90$ , far fewer than 125.
- 17) **Choice B is correct.** (4.MD.C.5) A right angle always measures **90** degrees.
- 18) **Choice A is correct.** (4.NBT.A.3) We’re rounding to the nearest hundred. Look at the tens digit: 2. Since  $2 < 5$ , we round DOWN. The hundreds digit stays at 6, so Ava read about **4,600** pages. ✓
- 19) **Choice A is correct.** (4.MD.A.2) There are 256 grams of seeds for 8 packets. Divide equally:  $256 \div 8 = 32$  grams. Each packet has **32** grams of seeds.
- 20) **Choice B is correct.** (4.NF.C.5) The hundredths grid is almost completely shaded: 90 squares out of 100. That equals  $\frac{90}{100} = 0.90 = 0.9$ .
- 21) **The correct answer is 96.** (4.OA.B.4) Double each term: 3, 6, 12, 24, 48, **96**. The next term is **96**.
- 22) **Choice B is correct.** (4.MD.A.3) Yard perimeter =  $2(20) + 2(15) = 40 + 30 = 70$  ft.
- 23) **Choice B is correct.** (4.NF.B.4) We take 7 copies of  $\frac{1}{3}$ . Multiply:  $7 \times \frac{1}{3} = \frac{7 \times 1}{3} = \frac{7}{3} = 2\frac{1}{3}$ . The answer is  **$2\frac{1}{3}$** .
- 24) **Choice C is correct.** (4.NF.C.5) Convert the strawberries:  $\frac{8}{10} = \frac{80}{100}$ . Now add:  $\frac{80}{100} + \frac{15}{100} = \frac{95}{100}$  pound.
- 25) **Choice B is correct.** (4.NF.B.4) Two water bottles, each holding  $\frac{3}{5}$  liter, give us  $2 \times \frac{3}{5} = \frac{6}{5}$  liters total.
- 26) **Choice D is correct.** (4.OA.B.4) Walk through the factor pairs:  $1 \times 24$ ,  $2 \times 12$ ,  $3 \times 8$ ,  $4 \times 6$ . Combine both sides of each pair: **1, 2, 3, 4, 6, 8, 12, 24**. *Tip:* the pairs “meet in the middle”—once they start repeating, you’ve found them all.



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Star Player Pep Talk

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## Hi, Star Player!

◇ 4 practice tests. Every one of them was a chance to grow. You took every chance. That's why you're a math star today! ◇

★ **Star players know:** confidence comes from practice. You can't fake it. You build it. You built yours over 4 tests. It's real now! ★

### Star Player Stats

- **Practice:** OFF THE CHARTS!
- **Skills:** BROAD! You can do many problem types.
- **Toughness:** HIGH! You don't quit on hard problems.
- **Game Plan:** READY! You know your strategies.

**Star tip:** on test day, take it one play at a time. One problem. Then the next. You will earn your stars!

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 Coach

# PRACTICE TODAY, SUCCEED TOMORROW!

This **Grade 4 Math Practice Tests** book is the perfect tool to help students build strong math skills, master key concepts, and gain the confidence they need to excel.

With 4 full-length practice tests, a variety of question types, and detailed answer explanations, students get the review and practice they need to strengthen problem-solving skills 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
- ✓ 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.



### 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 & Decimals
- ✓ Geometry & Measurement
- ✓ Data, Graphs & Line Plots
- ✓ Perimeter & Area
- ✓ 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.



4 FULL-LENGTH PRACTICE TESTS



STANDARDS-ALIGNED REVIEW



MIXED PRACTICE QUESTIONS