

7

New Mexico

NM MSSA

GRADE 4 MATH

PRACTICE TESTS

Standards-Aligned Review with
Mixed Practice and Answer Key



7 Full-Length
Practice Tests



Standards-
Aligned



Build Confidence
and Skills



Mixed Question
Types

**ANSWER
KEY**

INCLUDED

7 New Mexico NM-MSSA Grade 4 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Seven 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.

Jay Daie and Reza Nazari



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Welcome, New Mexico Math Explorer!

Seven steady rounds on the Land of Enchantment math route

This book gives you seven 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?

Seven tests, 210 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 4–6	Skill-building rounds with fractions, measurement, area, data, and two-step problems.
Tests 5–7	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.



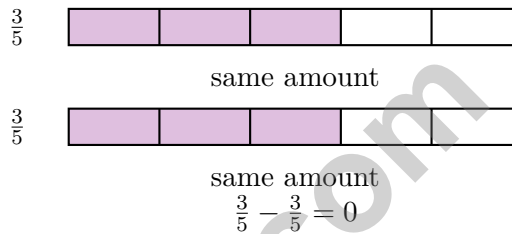
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For more practice
& answers

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- 1) Maya has 7 pounds of flour. How many ounces of flour does she have?

- 2) Which two fractions have a difference of 0?



- A. $\frac{4}{8}$ and $\frac{3}{8}$
 C. $\frac{3}{5}$ and $\frac{3}{5}$
- B. $\frac{6}{6}$ and $\frac{4}{6}$
 D. $\frac{5}{12}$ and $\frac{7}{12}$
- 3) Which is a multiplicative comparison?
- A. 10 is 2 times as many as 5
 C. 10 is 5 less than 15
- B. 10 is 5 more than 5
 D. 10 equals 5 plus 5
- 4) Which decimal is greatest?
- A. 0.19
 C. 0.11
- B. 0.91
 D. 0.99



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5) A baker has $\frac{11}{8}$ pounds of sugar. Which shows one way to decompose this?

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

B. $\frac{5}{8} + \frac{4}{8} + \frac{1}{8}$

C. $\frac{7}{8} + \frac{3}{8}$

D. $\frac{6}{8} + \frac{4}{8}$

6) Which of the following is a prime number?

A. 9

B. 15

C. 17

D. 21

7) What does $\frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12}$ equal?

A. $\frac{9}{9}$

B. $\frac{9}{12}$

C. $\frac{1}{9}$

D. $\frac{3}{12}$

8) What is $4,125 \div 5$?

A. 805

B. 815

C. 825

D. 835

9) A school cafeteria serves lunch to 6 grades. Each grade has 35 students. How many students get lunch?

A. 210

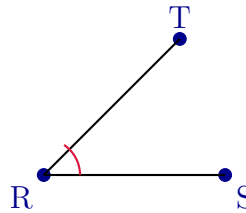
B. 180

C. 240

D. 270



10) 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

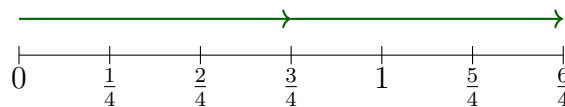
11) Order these fractions from least to greatest: $\frac{1}{4}$, $\frac{1}{2}$, $\frac{1}{3}$.

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

12) Diego buys 5 packs of pens. Each pack has 6 pens. He also has 4 old pens. How many pens does he have altogether?

- A. 30
 C. 34
 B. 24
 D. 15

13) Use the number line to find $2 \times \frac{3}{4}$.



- A. $\frac{5}{4}$
 C. $\frac{3}{4}$
 B. $\frac{6}{4}$ or $1\frac{1}{2}$
 D. $\frac{8}{4}$ or 2



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1) Which expanded form equals 0.34?

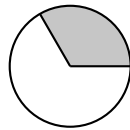
A. $0.3 + 0.4$

B. $0.3 + 0.04$

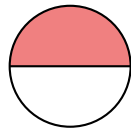
C. $3 + 0.4$

D. $3 + 4$

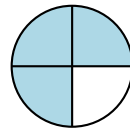
2) Which circle shows a fraction equal to $\frac{1}{2}$?



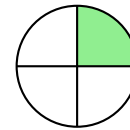
A



B



C



D

 A. Circle A B. Circle B C. Circle C D. Circle D

3) Which fraction equals $\frac{3}{4}$?

A. $\frac{6}{8}$

B. $\frac{6}{12}$

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

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

4) Which decimal is between 0.3 and 0.4?

A. 0.25

B. 0.35

C. 0.45

D. 0.05

5) A toy costs \$8. A game costs 4 times as much. How much does the game cost?

A. \$12

B. \$4

C. \$2

D. \$32



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

A. $3\frac{2}{5}$

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

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

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

7) Which shows $\frac{4}{10}$ as a sum of unit fractions?

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

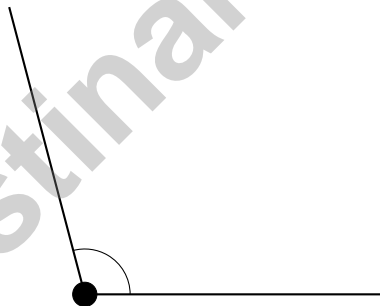
B. $\frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10}$

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

D. $\frac{1}{10} + \frac{3}{10}$

8) A 3 in the hundreds place is worth 300. A 3 in the tens place is worth 30. What is the difference?

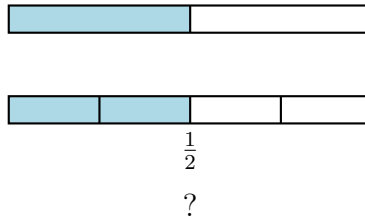
9)



Which statement about this angle is correct?

 A. It is less than a right angle B. It is a right angle C. It is more than a right angle but less than straight D. It is a straight angle

1) Look at the two fraction bars. Both bars are the same length.

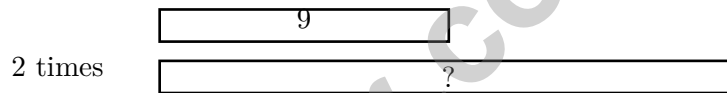


Which fraction should replace the question mark?

- A. $\frac{1}{4}$
- B. $\frac{4}{4}$

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

2)



Naomi has 9 ribbons. Her grandmother has 2 times as many ribbons as Naomi. How many ribbons does her grandmother have?

- A. 11
- B. 16

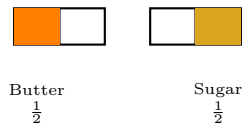
- C. 20
- D. 18

3) Sofia has 7 stickers. Liam has 3 times as many. How many more stickers does Liam have than Sofia?

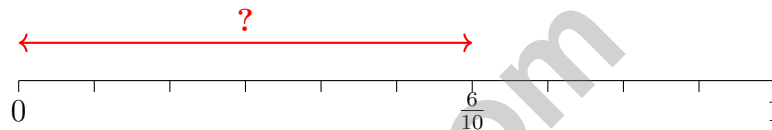
- A. 10
- B. 3

- C. 21
- D. 14

- 4) A recipe calls for $\frac{1}{2}$ cup of butter and $\frac{1}{2}$ cup of sugar. How much butter and sugar combined?

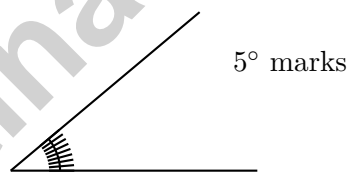


- A. $\frac{1}{4}$ cup C. $\frac{2}{4}$ cup
 B. $\frac{2}{2}$ or 1 cup D. $\frac{1}{2}$ cup
- 5) A number line shows equal hops from 0 to $\frac{6}{10}$. How many hops of $\frac{1}{10}$ are needed?



- A. 3 hops C. 6 hops
 B. 4 hops D. 10 hops

6)



This angle is marked from 0° to 40° . What is the measure?

- A. 40° C. 41°
 B. 39° D. 8 one-degree angles



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& 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.

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Practice Test Answers and Explanations

Practice Test 1 Answers and Explanations

- The correct answer is 112.** (4.MD.A.1) Since 1 pound = 16 ounces, multiply: $7 \times 16 = 112$ ounces.
- Choice C is correct.** (4.NF.B.3) A difference of 0 means the fractions are identical. A: $\frac{4}{8} - \frac{3}{8} = \frac{1}{8}$ (not 0). B: $\frac{6}{6} - \frac{4}{6} = \frac{2}{6}$ (not 0). C: $\frac{3}{5} - \frac{3}{5} = 0$ ✓. D: $\frac{5}{12} - \frac{7}{12} =$ negative (not 0).
- Choice A is correct.** (4.OA.A.1) Look for the magic words “times as many”—those are the multiplicative clue. Only choice A uses them. The others say “more,” “less,” or “plus,” which describe addition or subtraction.
- Choice D is correct.** (4.NF.C.5) The tenths place decides it: 9 is the largest. Among the two with tenths = 9, compare hundredths: $9 > 1$, so $0.99 > 0.91$.
- Choice A is correct.** (4.NF.B.3) The baker has $\frac{11}{8}$ pounds. One whole is $\frac{8}{8}$, leaving $11 - 8 = 3$ more eighths. So: $\frac{8}{8} + \frac{3}{8} = \frac{11}{8}$ ✓.
- Choice C is correct.** (4.OA.B.4) A *prime* number has exactly two factors: 1 and itself. Try dividing 17: it doesn't divide evenly by 2, 3, 4, or 5, so its only factors are 1 and 17—prime! The others are *composite*: $9 = 3 \times 3$; $15 = 3 \times 5$; $21 = 3 \times 7$.
- Choice B is correct.** (4.NF.B.3) We have 9 unit fractions of $\frac{1}{12}$. Counting them: 9 pieces, each $\frac{1}{12}$, so the sum is $\frac{9}{12}$.
- Choice C is correct.** (4.NBT.B.6) Long division: $4 \div 5 = 0$ r4, bring down the 1 to get $41 \div 5 = 8$ r1, bring down the 2 to get $12 \div 5 = 2$ r2, bring down the 5 to get $25 \div 5 = 5$. Answer: **825**.
- Choice A is correct.** (4.NBT.B.5) Use the distributive property: $6 \times (30 + 5) = 180 + 30 = \mathbf{210}$ students.
- Choice B is correct.** (4.G.A.1) When you name an angle with three letters, always put the vertex (the corner point) in the middle. Here *R* is where the two rays meet, so it goes in the middle: angle *TRS*.
- Choice D is correct.** (4.NF.A.1) All have numerator 1, so compare denominators: bigger denominators mean smaller pieces. Order: $4 < 3 < 2$, so $\frac{1}{4} < \frac{1}{3} < \frac{1}{2}$.
- Choice C is correct.** (4.OA.A.3) Two steps! Step 1: find how many pens are in the packs. $5 \times 6 = 30$. Step 2: add the old pens: $30 + 4 = 34$ pens altogether.
- Choice B is correct.** (4.NF.B.4) On the number line, we make 2 jumps of $\frac{3}{4}$ each, landing at $\frac{6}{4} = 1\frac{1}{2}$. So $2 \times \frac{3}{4} = 1\frac{1}{2}$. The answer is $1\frac{1}{2}$.
- Choice D is correct.** (4.NBT.A.3) We're rounding to the nearest hundred. Look at the tens digit: 4. Since $4 < 5$, we round DOWN. The hundreds digit stays at 8, giving us **93,800**. ✓
- Choice A is correct.** (4.NF.B.3) In a relay race, one runner then another. Add their distances: $\frac{8}{10} + \frac{2}{10} = \frac{10}{10}$, which means they completed the entire track together!
- Choice A is correct.** (4.G.A.2) Examining the figure, no opposite sides appear to be parallel to each other. The single right angle marked at one corner does not indicate that opposite sides are parallel. The answer is **A**.
- Choice A is correct.** (4.MD.B.4) Count the weights: $\frac{4}{8}$ lb appears 3 times (the most!), $\frac{5}{8}$ lb once, and $\frac{6}{8}$ lb once. So $\frac{4}{8}$ lb has the most X marks.
- The correct answer is A, E.** (4.NF.C.5) Option A: $\frac{50}{100} = 0.50$. Option E: $\frac{50}{100} = 0.5$ (trailing zero doesn't change the value). The other options equal 0.05, not 0.50.
- Choice B is correct.** (4.MD.A.3) From the diagram: 10 in long and 2 in wide. Perimeter = $2(10) + 2(2) = 20 + 4 = 24$ in.
- Choice D is correct.** (4.OA.B.4) Apply the rule “divide by 2” to input 20: $20 \div 2 = \mathbf{10}$.
- Choice D is correct.** (4.NF.A.1) Both bars show the same shaded length. The denominator goes from 3 to 6 (multiply by 2), so the numerator also goes from 1 to 2: $\frac{1}{3} = \frac{1 \times 2}{3 \times 2} = \frac{2}{6}$.
- Choice B is correct.** (4.NF.B.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 D is correct.** (4.NBT.A.2) Choice D: $560,000 + 7,980 = 567,980$ (wrong!). A, B, and C all equal 567,089 in different ways ✓
- Choice C is correct.** (4.MD.C.5) Five-sixths of the circle is $\frac{5}{6} \times 360^\circ = \mathbf{300^\circ}$.



Cheer Squad Final Pep Talk

Hi, Math Star!

◇ 7 practice tests! That's a LOT of work, and you did it ALL. I am cheering so loud right now. You earned every clap and every cheer! ◇

★ **Cheerleader truth:** confidence is built by showing up. You showed up 7 times. That's real confidence. It is not pretend! ★

Cheer Roll Call

- **Effort:** 100% YOU SHOWED UP!
- **Heart:** BIG!
- **Skills:** STRONG and growing!
- **Spirit:** BRIGHT!

Cheer tip: on test day, be your own cheerleader. Whisper to yourself: "I can do this. I practiced." Tiny cheers make a big difference!

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

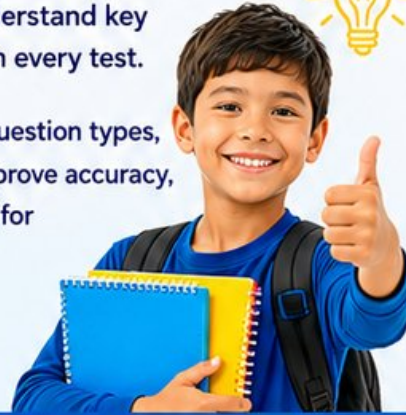
Jay Daie

Your Math Cheerleader

7 FULL-LENGTH TESTS TO MASTER GRADE 4 MATH!

This **Grade 4 Math Practice Tests** book provides the practice your child needs to build strong math skills, understand key concepts, and gain the confidence to succeed on every test.

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- ✓ Independent Learning
- ✓ Test Preparation
- ✓ Confidence Building
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★ CONFIDENCE IN MATH.
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.

$$\begin{array}{r} 45 \\ -17 \\ \hline 28 \end{array}$$



$$7 \times 8 = 56$$

TOPICS COVERED

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



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7 Full-Length Practice Tests



Standards-Aligned



Build Confidence and Skills



Mixed Question Types



Answer Key Included