

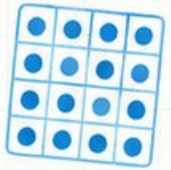
10

$$7 \times 8 = 56$$

$$\begin{array}{r} 32 \\ \times 6 \\ \hline 192 \end{array}$$



$$\frac{3}{4}$$



New Mexico

NM MSSA

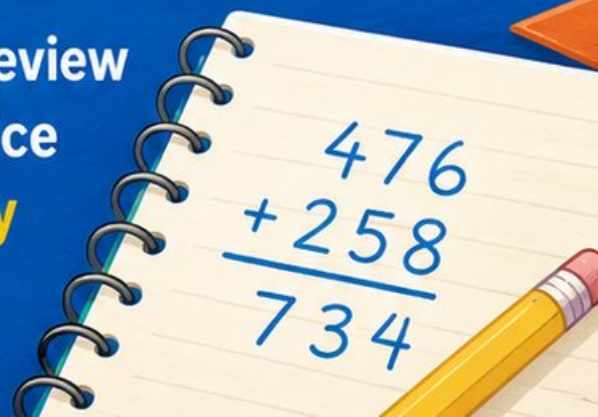
GRADE 4

MATH



PRACTICE TESTS

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



10 New Mexico NM-MSSA Grade 4 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Ten 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!

Ten steady rounds on the Land of Enchantment math route

This book gives you ten 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?

Ten tests, 300 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 7–9	Stamina rounds for mixed review, neat work, and flexible strategies.
Test 10	Final round to show growth across the whole New Mexico book.
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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5 bars, each $\frac{1}{3}$ yard

9)

Each bar above is $\frac{1}{3}$ yard. What is the total length of all 5 bars?

- A. $\frac{5}{3}$ yards (or $1\frac{2}{3}$ yards) C. $\frac{1}{3}$ yard
 B. $\frac{5}{15}$ yard D. 5 yards

10) Use the place-value chart below to find the decimal for $\frac{6}{10}$.

Ones	Tenths	Hundredths

- A. 0.6 C. 6.0
 B. 0.06 D. 60.0

11) A pinwheel turns 60° . What fraction of a full turn is this?

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

12) Ava buys 12 packs of stickers. Each pack has 15 stickers. How many stickers does Ava have in total?

- A. 27 C. 240
 B. 120 D. 180

13) How many $\frac{1}{6}$ s are in $\frac{4}{6}$? Write the number.



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1) Which number sentence does NOT represent a correct multiple?

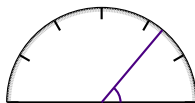
A. $2 \times \frac{1}{8} = \frac{2}{8}$

B. $3 \times \frac{1}{5} = \frac{3}{5}$

C. $4 \times \frac{1}{6} = \frac{4}{12}$

D. $5 \times \frac{1}{3} = \frac{5}{3}$

2)



What is the measure of the angle shown?

 A. 45 degrees

 B. 55 degrees

 C. 60 degrees

 D. 50 degrees

3) An isosceles trapezoid has how many lines of symmetry?

 A. 0

 B. 1

 C. 2

 D. 4

4) A restaurant orders 96 napkins. They use 24 napkins on Monday. The remaining napkins are packed into boxes of 8. Then they receive 5 more boxes. How many boxes do they have now?

 A. 9

 B. 13

 C. 14

 D. 15

5) Look at the base-ten model below. What number does it represent?


 A. 6,142

 B. 4,612

 C. 1,462

 D. 4,162


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6) Which statement is true?

- A. Parallel lines always meet at right angles
- B. Perpendicular lines meet at right angles
- C. Parallel lines are the same as perpendicular lines
- D. Perpendicular lines never meet

7) A bar model shows 4 equal bars representing containers of milk, each holding 6 liters. How many liters in total?



- A. 10 L
- B. 16 L
- C. 24 L
- D. 30 L
- 8) 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
- B. 150
- C. 300
- D. 200

9) What is 38×25 ?

- A. 800
- B. 1000
- C. 850
- D. 950

10) Add: $\frac{1}{10} + \frac{45}{100}$.

- A. $\frac{46}{100}$
- B. $\frac{46}{110}$
- C. $\frac{55}{100}$
- D. $\frac{1}{145}$



1) Which letter has a line of symmetry?

A. *F*

C. *A*

B. *L*

D. *G*

2) How many 45° angles fit into a full circle?

A. 4

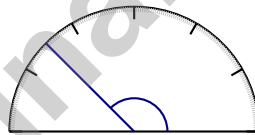
C. 8

B. 6

D. 12

3) An acute angle measures less than how many degrees?

4)



What is the measure of the angle shown?

A. 90 degrees

C. 135 degrees

B. 120 degrees

D. 150 degrees

5) What is $1\frac{5}{8} + 3\frac{3}{8}$?

A. $4\frac{7}{8}$

C. $4\frac{9}{8}$

B. 5

D. $5\frac{1}{8}$



6) Which number sentence is true?

A. $2 \times \frac{1}{5} = \frac{1}{10}$

B. $3 \times \frac{1}{5} = \frac{3}{5}$

C. $4 \times \frac{1}{5} = \frac{4}{20}$

D. $5 \times \frac{1}{5} = \frac{1}{5}$

7) Each day, a plant needs $\frac{1}{2}$ cup of water. How much water does it need over 9 days?

A. $\frac{1}{18}$ cup

B. $\frac{9}{2}$ cups (or $4\frac{1}{2}$ cups)

C. $\frac{9}{18}$ cup

D. 9 cups

8) Which best represents $\frac{10}{6}$ as a mixed number?

A. $1\frac{2}{6}$

B. $1\frac{4}{6}$

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

D. $\frac{10}{6}$ cannot be a mixed number

9) Three runners completed different distances. Ellie ran $\frac{5}{8}$ of a mile, Fiona ran $\frac{3}{5}$ of a mile, and Gina ran $\frac{7}{10}$ of a mile. Who ran the farthest?

 A. Ellie

 B. Fiona

 C. Gina

 D. Ellie and Fiona ran the same

10) There are 84 pencils in a box. 12 pencils are broken. The remaining good pencils are shared equally among 6 friends. How many pencils does each friend get?

A. 14

B. 10

C. 16

D. 12 pencils

11) Which number is less?

	Thousands	Hundreds	Tens	Ones
Number A	7	2	6	4
Number B	7	2	6	5

 A. They are equal

 B. Cannot determine

 C. 7,264

 D. 7,265


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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

- Choice D is correct.** **(4.OA.B.4)** Multiply each input by 2: $6 \times 2 = 12$, $8 \times 2 = 16$, so $9 \times 2 = 18$.
- Choice C is correct.** **(4.NF.B.4)** For $4 \times \frac{2}{3}$, we need 4 bars, each divided into 3 parts with 2 parts shaded in each bar. Picture C shows four bars with two-thirds shaded in each. The answer is Picture C.
- Choice A is correct.** **(4.MD.C.6)** The vertex is where the two rays meet—this is the pivot point of the angle. To measure accurately, this point must be placed right at the center dot or mark on the protractor. This is how we align everything correctly. The answer is at the center point.
- Choice B is correct.** **(4.MD.A.3)** Fencing needed = $2(18) + 2(12) = 36 + 24 = 60$ ft.
- Choice C is correct.** **(4.MD.B.4)** Add up all the X marks: $2 + 3 + 1 = 6$ strings in total.
- The correct answer is 0.70.** **(4.NF.C.5)** A trailing zero doesn't change the value. Both 0.7 and 0.70 equal the same amount.
- Choice A is correct.** **(4.OA.B.4)** Multiples of 5 are what you get when you skip-count by 5: 5, 10, 15, 20, 25, ... Choice A counts in order with no skips. Choice B jumps $10 \rightarrow 20 \rightarrow 35$ (gaps); choice C jumps over 25; choice D starts at 10 instead of 5.
- Choice D is correct.** **(4.NBT.A.2)** From the chart: thousands: $9 \rightarrow 9,000$, hundreds: 0 (omit), tens: $4 \rightarrow 40$, ones: $2 \rightarrow 2$ ✓
- Choice A is correct.** **(4.NF.B.4)** All 5 bars, each $\frac{1}{3}$ yard long, have a total length of $5 \times \frac{1}{3} = \frac{5}{3}$ yards.
- Choice A is correct.** **(4.NF.C.5)** The place-value chart shows where each digit belongs. $\frac{6}{10}$ means six tenths, so we place 6 in the tenths column: 0.6.
- Choice A is correct.** **(4.MD.C.5)** Divide the degrees by 360 to get the fraction: $\frac{60}{360} = \frac{1}{6}$ (simplifying by 60). Answer: $\frac{1}{6}$.
- Choice D is correct.** **(4.NBT.B.5)** Split 12×15 using the distributive property: $12 \times (10 + 5) = 120 + 60 = 180$ stickers.
- The correct answer is 4.** **(4.NF.B.4)** Count the unit fractions: $\frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6} = 4 \times \frac{1}{6} = \frac{4}{6}$. There are 4 unit fractions.
- Choice D is correct.** **(4.NBT.A.3)** We're rounding to the nearest ten. Look at the ones digit: 6. Since $6 \geq 5$, we round UP! The tens digit goes from 9 to 10—a rollover! So the answer is **5,200**. ✓
- Choice D is correct.** **(4.NF.A.1)** The denominators match, so look at the numerators. Since $5 < 7$, $\frac{5}{8} < \frac{7}{8}$.
- Choice C is correct.** **(4.MD.A.2)** The train travels 200 m in 4 seconds. In 8 seconds (double the time), it travels twice as far: $200 \times 2 = 400$ meters. It will travel **400** meters.
- The correct answer is A, B.** **(4.G.A.3)** Choice A is correct because a regular pentagon has exactly 5 lines of symmetry. Choice B is correct because a regular hexagon has exactly 6. Choice C is wrong (equilateral triangles have 3, not 6). Choice D is wrong (regular octagons have 8, not 4). Choice E is wrong because different regular polygons have different numbers of symmetry lines!
- Choice A is correct.** **(4.MD.C.5)** An acute angle is smaller than a right angle. This angle opens less than a square corner, so it is acute.
- Choice C is correct.** **(4.OA.A.1)** When you see "times as many," think *multiplication*! "6 times as many as 4" becomes 6×4 , which equals 24. So choice C, $24 = 6 \times 4$, is the equation that captures that idea.
- Choice A is correct.** **(4.NBT.B.6)** Long division: $1 \div 4 = 0$ r1, bring down the 7 to get $17 \div 4 = 4$ r1, bring down the 6 to get $16 \div 4 = 4$, bring down the 4 to get $4 \div 4 = 1$. The quotient is **441**.
- Choice B is correct.** **(4.NF.B.3)** The red dot sits at the third mark on the number line, which shows $\frac{3}{4}$ ✓.
- Choice C is correct.** **(4.MD.C.5)** An angle that contains 80 one-degree angles measures **80°**.
- Choice B is correct.** **(4.MD.C.7)** The water spray sweeps in two bursts. Add the angles: $96^\circ + 54^\circ = 150^\circ$.
- Choice A is correct.** **(4.NF.B.3)** Ava gives away $\frac{2}{8}$ from her $\frac{7}{8}$. Subtract: $7 - 2 = 5$ eighths left. Answer: $\frac{5}{8}$.
- Choice A is correct.** **(4.G.A.2)** A scalene triangle has all three sides of different lengths, with no two sides equal to each other. The absence of tick marks on the sides confirms no sides are equal. The answer is **A**.
- Choice B is correct.** **(4.G.A.1)** A right angle is a special angle that measures exactly 90° . Think of the corner of your notebook — that's a right angle! Acute angles are smaller, obtuse angles are bigger, and straight angles are perfectly flat at 180° .



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

Jay Daie

Your Math Coach

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