

3

New Mexico

NM MSSA

GRADE 4

MATH

PRACTICE TESTS

Standards-Aligned Review with
Mixed Practice and Answer Key



5 FULL-LENGTH
PRACTICE TESTS



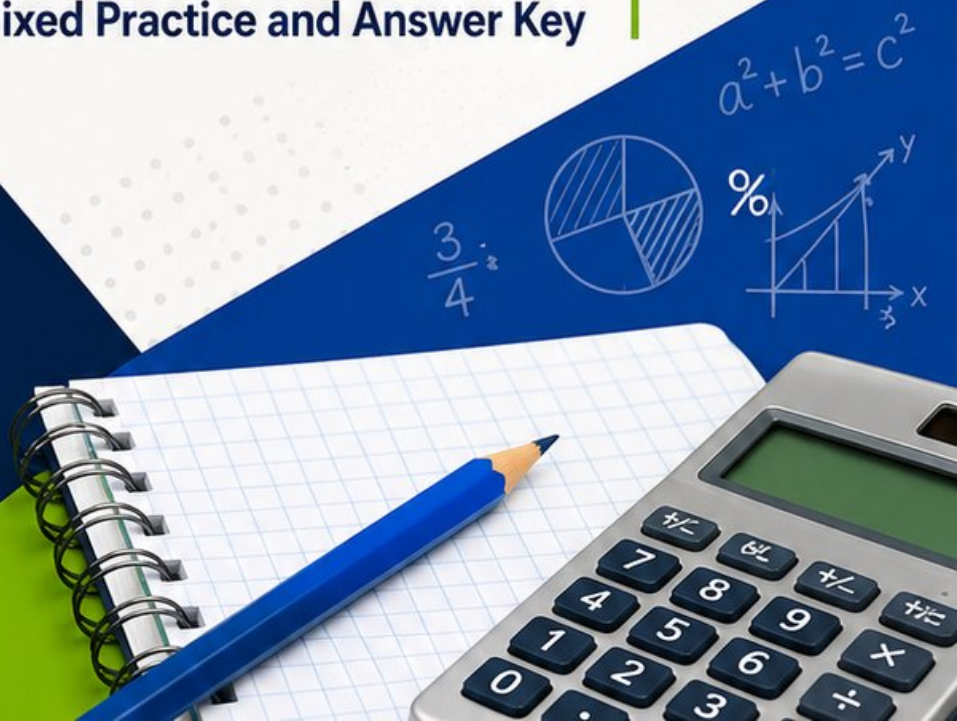
STANDARDS-ALIGNED
REVIEW



MIXED PRACTICE
QUESTIONS



ANSWER KEY
INCLUDED



3 New Mexico NM-MSSA Grade 4 Math Practice Tests

Standards-Aligned Practice for Stronger Math Skills and Test Readiness



Three 30-question trail tests packed with Grade 4 review, New Mexico NM-MSSA strategy tips, answer keys, and step-by-step explanations that turn every miss into the next move.

Jay Daie and Reza Nazari



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Welcome, New Mexico Math Explorer!

Three steady rounds on the Land of Enchantment math route

This book gives you three full Grade 3 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?

Three tests, 90 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 1–3	Skill-building rounds with fractions, measurement, area, data, and two-step problems.
Tests 1–3	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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1) Which is the same as $4 \times \frac{1}{8}$?

A. $\frac{4}{8}$ or $\frac{1}{2}$

B. $\frac{1}{32}$

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

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

2) An orchard has 16 rows of apple trees. Each row has 35 trees. How many apple trees are in the orchard?

A. 560

B. 480

C. 540

D. 420

3) Write $\frac{9}{10}$ as a decimal.

4) Which number is NOT divisible by 2?

A. 24

B. 36

C. 49

D. 50

5) Look at the place-value table below.

Tenths	Hundredths	Decimal
6	0	0.60
6	2	?

What decimal has 6 tenths and 2 hundredths?

A. 0.26

B. 0.62

C. 0.206

D. 6.02



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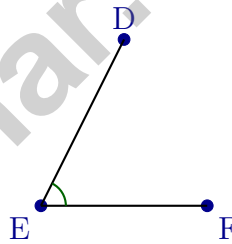
- 10) 3 times

?

30

A zoo has 30 zebras. The number of zebras is 3 times the number of giraffes. How many giraffes are in the zoo?

- A. 5 C. 15
 B. 25 D. 10
- 11) Sam wrote “five hundred sixteen thousand, two hundred thirty” as 516,230. Is this correct?
- A. No; it should be 516,032 C. No; it should be 516,320
 B. No; it should be 516,203 D. Yes, it is correct
- 12) Look at the diagram with points D , E , and F :



Using three letters, which is another correct name for this angle?

- A. Angle FED C. Angle EFD
 B. Angle DFE D. Angle E



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1) A line plot shows data with halves. At $\frac{1}{2}$ there are 2 X marks, at 1 there are 4 X marks, and at $\frac{3}{2}$ there is 1 X mark. How many X marks in total?

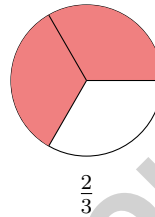
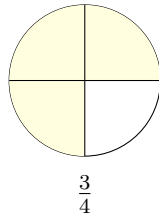
A. 5

C. 7

B. 6

D. 8

2) Look at the circles. Which fraction is greater?



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

C. They are equal

B. $\frac{2}{3}$

D. Cannot tell

3) Write the number 12,405 in word form.

A. Twelve thousand, four hundred fifty

C. One hundred twenty thousand, four hundred five

B. Twelve thousand, forty-five

D. Twelve thousand, four hundred five

4) What is the next number in the pattern? 1, 1, 2, 3, 5, 8, 13, __

A. 18

C. 21

B. 20

D. 22



5) Diego walked $2\frac{3}{10}$ miles on Monday and $1\frac{4}{10}$ miles on Tuesday. How many miles did he walk in total?

A. $3\frac{5}{10}$ miles

C. $3\frac{7}{10}$ miles

B. $3\frac{6}{10}$ miles

D. $4\frac{1}{10}$ miles

6) Which geometric figure has exactly one endpoint?

A. A line

C. A ray

B. A line segment

D. A point

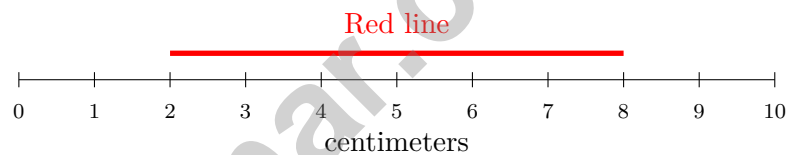
7) The letter V has how many lines of symmetry?

A. 0

C. 2

B. 1

D. 3



8)

Based on the ruler, what is the length of the red line in millimeters?

A. 60 mm

C. 100 mm

B. 80 mm

D. 120 mm

9) The sides of an angle are:

A. segments

C. rays

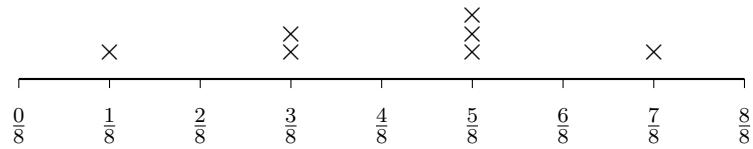
B. lines

D. circles



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1) Here is a line plot with eighths:



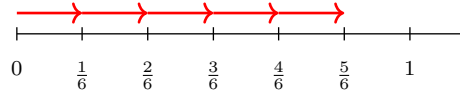
What is the sum of all measurements shown on this line plot?

- A. $\frac{24}{8}$
 C. $\frac{26}{8}$
 B. $\frac{25}{8}$
 D. $\frac{29}{8}$
- 2) Which pair of items from a classroom has right angles?
- A. A pencil and a ball
 C. A rope and a ball
 B. A desk and a book
 D. A clock and a spiral notebook
- 3) Which pattern shows only odd numbers?
- A. 2, 4, 6, 8, 10
 C. 2, 3, 4, 5, 6
 B. 1, 3, 5, 7, 9
 D. 5, 10, 15, 20, 25
- 4) A team sells 8 boxes of cookies at a bake sale. Each box costs \$9. They split the money equally among 3 class projects. How much money does each project get?
- A. \$18
 C. \$27
 B. \$32
 D. \$24



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- 5) A number line shows unit-fraction jumps of $\frac{1}{6}$ starting at 0. After 5 jumps, you are at position:



- A. $\frac{3}{6}$
 C. $\frac{5}{6}$
 B. $\frac{4}{6}$
 D. $\frac{6}{6}$
- 6) Round 9,987 to the nearest thousand. (This is a rollover case.)
- A. 9,000
 C. 9,900
 B. 9,987
 D. 10,000
- 7) Which shows the error in this student work? The student said $\frac{1}{4} + \frac{1}{4} = \frac{2}{8}$.
- A. Should not add fractions with same denominators
 B. Adding the numerators and denominators separately (mistake)
 C. The correct answer is $\frac{2}{4}$, not $\frac{2}{8}$
 D. Cannot add fractions at all
- 8) What does the place-value chart show?

Ones	Tenths	Hundredths
0	7	5

- A. 75.0
 C. 0.75
 B. 7.5
 D. 0.075



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 A is correct.** (4.NF.B.4) Four eighths: $4 \times \frac{1}{8} = \frac{4}{8}$, which is the same as $\frac{1}{2}$.
- Choice A is correct.** (4.NBT.B.5) Split by tens: $16 \times (30 + 5) = 480 + 80 = 560$ trees.
- The correct answer is 0.9.** (4.NF.C.5) Nine tenths fills the first decimal place: $\frac{9}{10} = 0.9$.
- Choice C is correct.** (4.OA.B.4) Even numbers (divisible by 2) end in 0, 2, 4, 6, or 8. 49 ends in 9—odd—so it's *not* divisible by 2. The others (24, 36, 50) all end in even digits.
- Choice B is correct.** (4.NF.C.5) From the table: 6 tenths = 0.6 and 2 hundredths = 0.02. Add them: $0.6 + 0.02 = 0.62$.
- Choice A is correct.** (4.MD.A.1) Since 1 cup = 8 fluid ounces, divide: $120 \div 8 = 15$ cups. The answer is **15** cups.
- Choice A is correct.** (4.NF.B.4) For $5 \times \frac{1}{2}$, we need 5 bars, each divided in half with one half shaded in each. Picture A shows five bars with one-half shaded in each bar. The answer is Picture A.
- Choice C is correct.** (4.NF.B.4) Count the shaded (green) parts: there are 3 shaded parts. Count the equal parts: there are 4 total parts. So this is $3 \times \frac{1}{4} = \frac{3}{4}$.
- Choice C is correct.** (4.NF.A.1) On a number line from 0 to 1, $\frac{3}{4}$ sits farthest to the right, closest to 1.
- Choice D is correct.** (4.OA.A.2) The longer bar (30 zebras) is made of 3 equal pieces, each one giraffe-group's size. To find one piece, divide: $30 \div 3 = 10$ giraffes.
- Choice D is correct.** (4.NBT.A.2) Thousands: $516 \rightarrow 516,000$. Ones: $230 \rightarrow 230$. Combined: 516,230 matches Sam's numeral ✓
- Choice A is correct.** (4.G.A.1) Remember: vertex in the middle! Since E is where the rays meet, we write the angle as FED with E in the middle position.
- Choice C is correct.** (4.G.A.2) A trapezoid is defined by having exactly one pair of parallel sides. This distinguishes it from parallelograms, which have two pairs of parallel sides. The answer is **C**.
- Choice C is correct.** (4.MD.A.3) Start with $P = 2\ell + 2w = 24$. Substitute $\ell = 7$: $2(7) + 2w = 24$. Simplify: $14 + 2w = 24$, so $2w = 10$, thus $w = 5$ m.
- Choice D is correct.** (4.OA.A.3) Two steps! Step 1: cars left after selling: $200 - 50 = 150$. Step 2: pack into boxes of 6: $150 \div 6 = 25$ complete boxes (no remainder).
- Choice A is correct.** (4.NF.B.3) The ribbon was cut, so we subtract the cut part from the total. $\frac{7}{10} - \frac{3}{10} = \frac{4}{10}$ meter of ribbon left.
- The correct answer is A, B.** (4.MD.C.6) A and B are the two correct steps: A—Place the vertex (where rays meet) at the center point. B—Align one ray with the baseline at the 0° mark. Then read where the other ray crosses the scale. C is wrong because you must check which scale starts at 0° on your angle's side. D is wrong because the scale choice matters—use the scale that starts at 0° where the angle opens. E is wrong because you use the scale on the same side, not the opposite side.
- The correct answer is $1\frac{2}{4}$.** (4.NF.B.3) One whole is $\frac{4}{4}$, leaving $6 - 4 = 2$ more fourths. So $\frac{6}{4} = 1\frac{2}{4}$ ✓.
- Choice A is correct.** (4.NF.B.3) Diego read on two days. Both amounts have the same tenths: $4 + 5 = 9$ tenths, so $\frac{9}{10}$ of the book.
- Choice C is correct.** (4.G.A.3) The block letter T has one vertical line of symmetry down the center. The left and right halves match, but the top and bottom halves do not. The answer is choice **C**.
- Choice B is correct.** (4.NF.C.5) We can convert $\frac{8}{10}$ to a fraction with denominator 100 by multiplying both parts by 10: $\frac{8}{10} = \frac{80}{100}$.
- Choice D is correct.** (4.NBT.A.1) In 7,707: the 7 in the hundreds place is worth 700, and the 7 in the ones place is worth 7. The ratio is $700 \div 7 = 100$ times. ✓
- Choice D is correct.** (4.OA.B.4) Apply “add 12” to input 8: $8 + 12 = 20$.
- The correct answer is 546.** (4.NBT.B.6) Long division: $4 \div 8 = 0$ r4, bring down the 3 to get $43 \div 8 = 5$ r3, bring down the 6 to get $36 \div 8 = 4$ r4, bring down the 8 to get $48 \div 8 = 6$. The quotient is **546**. *Quick check:* $546 \times 8 = 4,368$. ✓
- Choice A is correct.** (4.MD.C.7) The line splits the angle into two parts. Subtract to find the missing part: $158^\circ - 84^\circ = 74^\circ$.



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◇ Look what you did! 3 full practice tests. That's hundreds of math problems. You started as a learner. You are now a math athlete. ◇

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- **Speed:** STRONG! You move at the right pace.
- **Accuracy:** SHARP! You catch your own mistakes.
- **Mindset:** CHAMPION! You believe in yourself.

Champion tip: on test day, walk in proud. You trained for this. You are ready!

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

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