

8

New Mexico NM-MSSA

GRADE 3

MATH

PRACTICE TESTS

Standards-Aligned Review with
Mixed Practice and Answer Key



8 Full-Length
Practice Tests



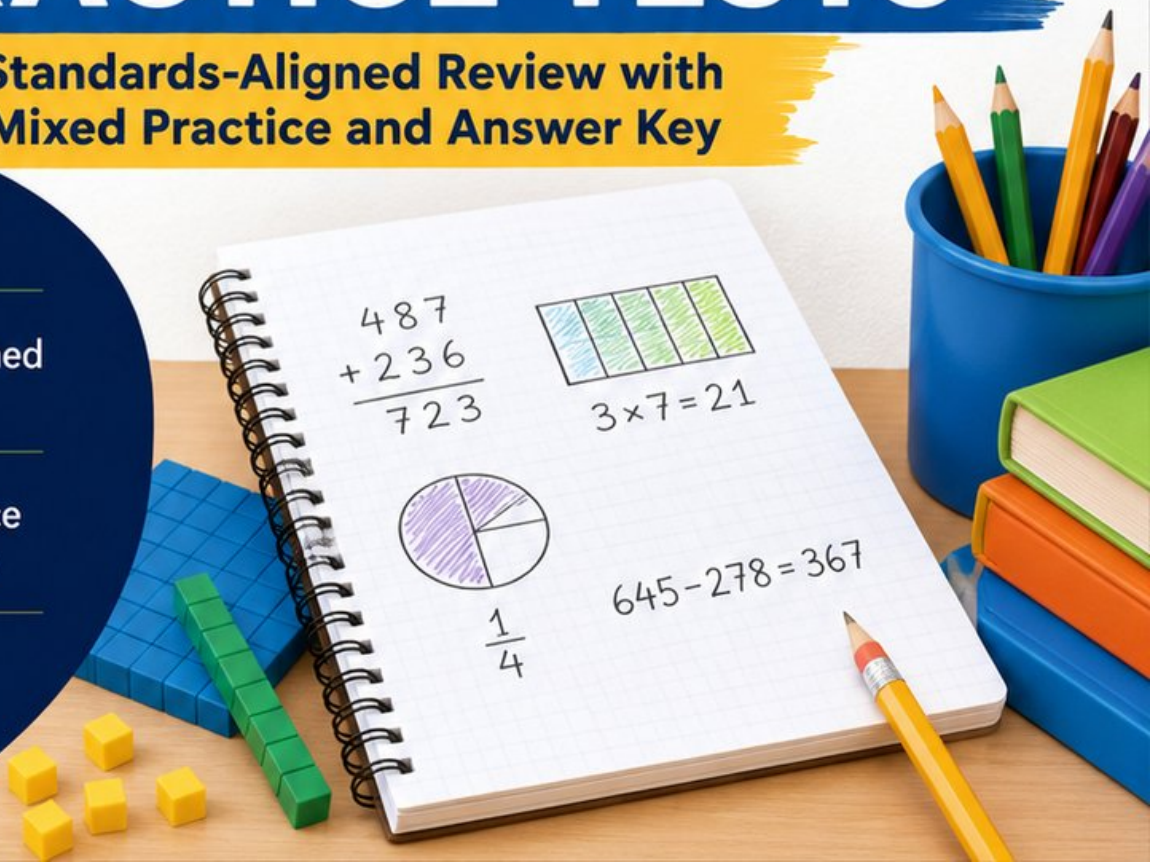
Standards-Aligned
Questions



Build Confidence
and Math Skills



Answer Key
Included



8 New Mexico NM-MSSA Grade 3 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Eight complete 30-question practice rounds for Grade 3 math: operations, fractions, measurement, data, area, shapes, answer keys, and clear explanations for every item.

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New Mexico, Your Eight-Test Math Path Begins

Eight focused rounds, one stronger Grade 3 problem solver

This book gives you eight full chances to practice like a careful test taker for the New Mexico NM-MSSA. Each test is a new route through numbers, shapes, data, measurement, and word problems. Work slowly enough to notice what the question asks, and proudly enough to show your thinking.

New Mexico has mesa views, desert stars, adobe plazas, mountain trails, and pattern-rich landscapes, where careful steps matter. Strong math follows that same path: notice the question, choose a tool, show the work, and use patterns to guide each decision.

Your New Mexico Math Promise

I will read the whole question, choose a smart strategy, write clear work, and check whether my answer makes sense.

Eight rounds. Thirty questions each. One careful step at a time.

How to Use This Book

A simple eight-round routine for confident review

Use this New Mexico book as a practice plan, not a race. Finish one test, review it, fix a few problems, then carry one better habit into the next test.

1. **Preview the reference page.** Notice units, time, and measurement facts before you begin.
2. **Take one full test.** Circle anything that feels tricky so you can return to it.
3. **Check the answer key.** Mark correct answers and questions to try again.
4. **Read explanations.** Study missed items and lucky guesses first.
5. **Redo three problems.** Write fresh work without copying the explanation.
6. **Name one habit.** Pick a focus such as labels, facts, fractions, or neat work.
7. **Try the next test.** Bring that habit forward.
8. **Finish with a final check.** Look for growth across all eight tests.

Best review habit: In New Mexico, strong practice means slowing down enough to see the clue. When an answer is wrong, ask, “What step would I change next time?”



What Is Inside the Eight Tests?

Mixed Grade 3 math practice for the NM-MSSA

Each practice test has 30 questions. You will see multiple-choice questions, select-all questions, and open-ended questions with workspace. The mix helps students practice both choosing an answer and explaining a short mathematical result.

Part	What to Expect
Eight full tests	30 mixed Grade 3 questions in each round
Math topics	multiplication, division, place value, fractions, time, measurement, data, area, perimeter, and shapes
Answer keys	compact answer boxes for quick checking
Explanations	short reasoning for every item so mistakes become useful review
Progress pages	places to record scores, habits, and next-step goals

New Mexico focus: The practice path starts with mesa views, desert stars, adobe plazas, mountain trails, and pattern-rich landscapes. Strong math uses the same idea: know the path, follow the clues, and check the final answer.



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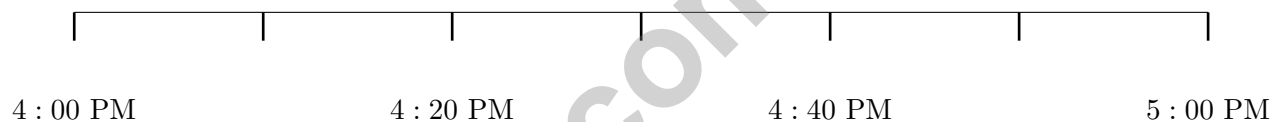
2	1	6
hundreds	tens	ones

1)

The place-value chart shows the number 216. What is $216 + 384$?

 A. 600 C. 500 B. 601 D. 610

2) Look at the number line. What times are shown?



How many minutes elapse from 4 : 00 PM to 4 : 40 PM?

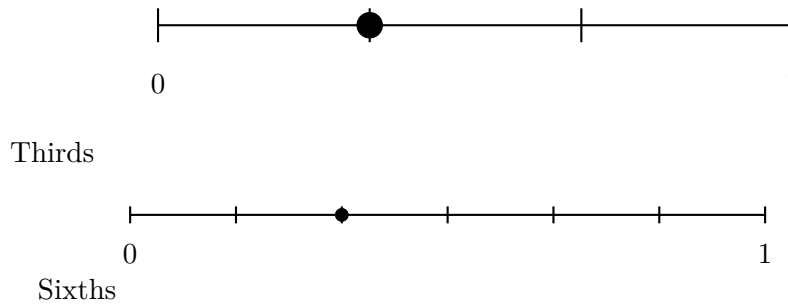
 A. 40 minutes C. 20 minutes B. 30 minutes D. 50 minutes

3) Ben shares 35 toy blocks equally among 7 friends. How many blocks does each friend get?

 A. 4 C. 28 B. 42 D. 5

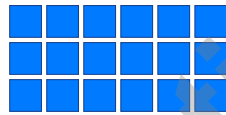
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- 4) Two different number lines show 0 to 1. Compare $\frac{1}{3}$ on a thirds line with $\frac{2}{6}$ on a sixths line. Which is true?



- A. $\frac{1}{3}$ is greater
 B. $\frac{2}{6}$ is greater
 C. They are equal
 D. Cannot be compared
- 5) Ava has two arrays that show the commutative property. Which is the matching pair?

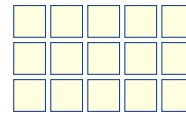
Ava's array:
3 rows, 6 columns



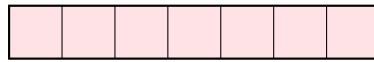
A
6 rows, 3 col



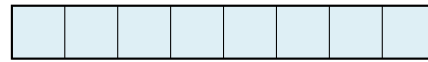
B
3 rows, 5 col



6) Which area is the greatest?



7 unit squares



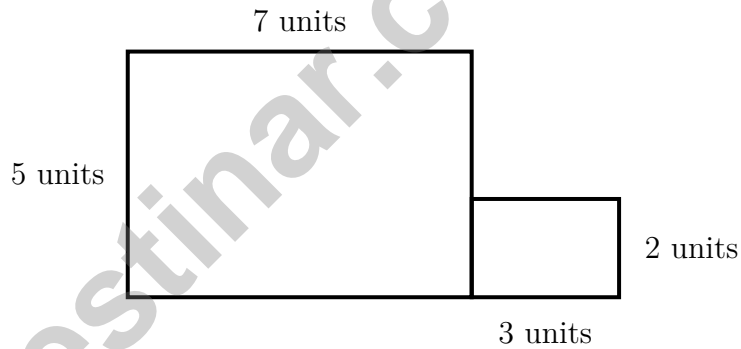
8 unit squares

- A. A rectangle made of 7 unit squares C. A rectangle made of 6 unit squares
 B. A rectangle made of 8 unit squares D. A square made of 4 unit squares

7) Lily has a tile that is 6 centimeters by 6 centimeters. What is the area of Lily’s tile?

- A. 12 square centimeters C. 30 square centimeters
 B. 24 square centimeters D. 36 square centimeters

8) Noah has an L-shaped poster. The left side is 7 units by 5 units. The right side is 3 units by 2 units. What is the total area of the poster?



- A. 35 sq units C. 210 sq units
 B. 6 sq units D. 41 sq units

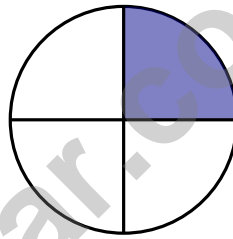
9) Kai has 20 toy cars. He puts 5 toy cars in each group. Which division shows the number of groups?

- A. $20 \div 5 = 4$ C. $20 + 5 = 25$
 B. $20 \div 4 = 4$ D. $20 - 5 = 15$



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- 4) Noah colors $\frac{2}{6}$ of a page. His friend colors $\frac{1}{3}$ of an identical page. Do they color the same amount?
- A. The pages might be different. C. Yes, same amount.
 B. No, his friend colors more. D. No, Noah colors more.
- 5) A line plot shows rock weights in ounces: $3, 3\frac{1}{2}, 4, 4\frac{1}{2}$. There are 4 X's at $3\frac{1}{2}$ ounces, 2 X's at 3 ounces, and 3 X's at 4 ounces. How many rocks weigh less than 4 ounces?
- A. 4 C. 6
 B. 5 D. 7
- 6) Look at the circle. It is divided into 4 equal parts. One part is shaded.



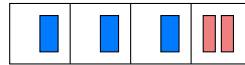
What fraction is shaded?

- A. $\frac{1}{2}$ C. $\frac{1}{3}$
 B. $\frac{1}{4}$ D. $\frac{4}{4}$
- 7) Sam has a rectangular picture frame that is 5 inches long and 7 inches wide. What is the area of the picture frame?
- A. 35 square inches C. 12 square inches
 B. 24 square inches D. 2 square inches

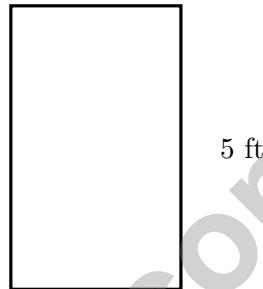


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1)



The bar model shows part of a subtraction problem. If the total is 523 and one part is 245, what is the other part?

 A. 278 C. 378 B. 288 D. 268

2)

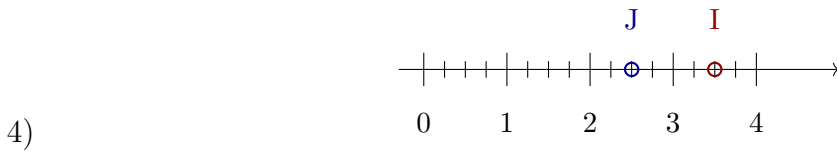
Find the area of this rectangle.

 A. 8 sq ft C. 12 sq ft B. 15 sq ft D. 30 sq ft

3) Which shape has 4 equal sides and 4 right angles?

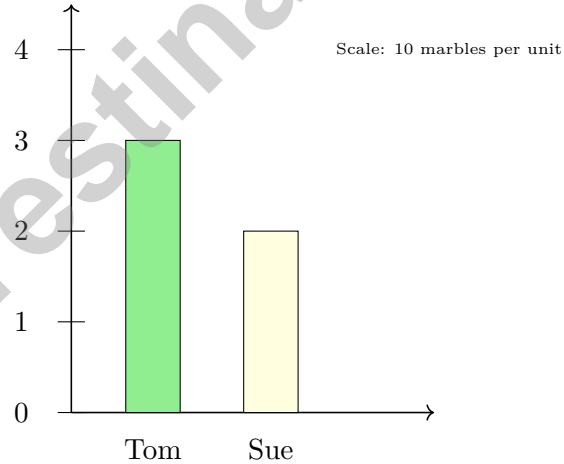
 A. Rectangle C. Square B. Rhombus D. Trapezoid

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On a number line from 0 to 4 divided into fourths, point J is at 2.5 and point I is at 3.5. Which two fractions label these points?

- A. $J = \frac{10}{4}, I = \frac{14}{4}$
 C. $J = \frac{8}{4}, I = \frac{14}{4}$
- B. $J = \frac{10}{4}, I = \frac{13}{4}$
 D. $J = \frac{5}{4}, I = \frac{7}{4}$
- 5) A farmer has 56 eggs. She packs them into cartons with 8 eggs in each carton. How many cartons does she fill?
- A. 48
 C. 8
- B. 64
 D. 7
- 6) A bar graph shows marbles. The scale is 10 marbles per unit. Read the bars and find how many more marbles one person has.



- A. Tom has 10 more marbles.
 C. Sue has 10 more marbles.
- B. Tom has 20 more marbles.
 D. They have the same number.

Practice Test Answer Keys

How to use this section with a Grade 3 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.** **(3.NBT.A.2)** Ones: $6 + 4 = 10$ (write 0, carry 1). Tens: $1 + 8 + 1 = 10$ (write 0, carry 1). Hundreds: $2 + 3 + 1 = 6$. Answer: 600.
- Choice A is correct.** **(3.MD.A.1)** $4 : 00$ to $4 : 40$ is 40 minutes.
- Choice D is correct.** **(3.OA.A.2)** $35 \div 7 = 5$. The blocks are divided equally among the friends.
- Choice C is correct.** **(3.NF.A.2)** $\frac{1}{3}$ and $\frac{2}{6}$ mark the same point on the number line from 0 to 1. They represent the same fraction.
- Choice A is correct.** **(3.OA.B.5)** Option A shows 6 rows and 3 columns. By the commutative property, $3 \times 6 = 6 \times 3 = 18$. Flipping rows and columns shows the same product in a different order.
- Choice B is correct.** **(3.MD.C.5a)** 8 square units is larger than 7, 6, or 4 square units.
- Choice D is correct.** **(3.MD.C.5)** This is a square: $6 \times 6 = 36$ square centimeters.
- Choice D is correct.** **(3.MD.C.7d)** Left side: $7 \times 5 = 35$ sq units. Right side: $3 \times 2 = 6$ sq units. Total: $35 + 6 = 41$ sq units.
- Choice A is correct.** **(3.OA.B.6)** There are 20 toy cars with 5 in each group, so $20 \div 5 = 4$ groups.
- Choice A is correct.** **(3.NF.A.3b)** Both rectangles show the same shaded area. $\frac{3}{4} = \frac{6}{8}$ because $\frac{3 \times 2}{4 \times 2} = \frac{6}{8}$.
- Choice C is correct.** **(3.NF.A.2a)** Each step is one eighth. Five steps from 0 land at $\frac{5}{8}$.
- The correct answer is 0 right angles.** **(3.G.A.1)** A trapezoid can have no right angles.
- Choice B is correct.** **(3.NBT.A.3)** The array shows 5 columns of 10 dots each. So $5 \times 10 = 50$ units total.
- Choice C is correct.** **(3.MD.B.3)** Count: 5 squares in the picture graph. Multiply by scale: $5 \times 2 = 10$ stickers.
- Choice D is correct.** **(3.MD.C.6)** Area of a square = $6 \times 6 = 36$ square inches.
- Choices B and E are correct.** **(3.OA.D.9)** Statement B is true because any even number contains a factor of 2, making the product even. Example: $4 \times 3 = 12$ (even). Statement E is true because the row for 5 shows 5, 10, 15, 20, ..., increasing by 5 each time ($5 \times 1, 5 \times 2, 5 \times 3$, etc.). Statement A is false (odd \times odd is odd). Statement C is false ($3, 6, 9, 12, \dots$ has odd and even). Statement D is false ($5 \times 6 = 30$ is even).
- Choice B is correct.** **(3.G.A.2)** If one part is $\frac{1}{2}$, the rectangle is divided into 2 equal parts.
- Choice D is correct.** **(3.MD.C.7)** Area = rows \times columns = $4 \times 5 = 20$ square units.
- Choice C is correct.** **(3.NF.A.3c)** $\frac{6}{3}$ means 6 thirds; 3 thirds make 1, so 6 thirds = 2 wholes. (A) is false: $\frac{5}{1} = 5$. (B) is false: $\frac{4}{4} = 1$. (D) is false: $\frac{3}{1} = 3$ and $\frac{1}{3}$ is a unit fraction.
- Choice C is correct.** **(3.MD.C.7c)** Adding the numbers instead of multiplying does not use the distributive property or find the area correctly.
- Choice C is correct.** **(3.NF.A.3a)** $\frac{3}{6} = \frac{1}{2}$. Both represent one-half of the circle.
- Choice A is correct.** **(3.OA.A.3)** First find figures per case: 3 rows \times 5 figures per row = 15 figures per case. Then multiply by number of cases: $15 \times 2 = 30$ figures altogether.
- Choice A is correct.** **(3.NBT.A.1)** Numbers from 450 to 549 round to 500 when rounded to the nearest 100. So yes, any number that rounds to 500 must be at least 450.
- Choice A is correct.** **(3.NF.A.3d)** One half and two fourths cover equal areas in the bars. They are equivalent fractions.
- Choice A is correct.** **(3.NF.A.3)** Both bars show the same amount shaded. $\frac{1}{2}$ and $\frac{2}{4}$ are equal.
- Choice C is correct.** **(3.NF.A.1)** $\frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4} = \frac{4}{4} = 1$ whole. So 4 unit fractions of $\frac{1}{4}$ make a whole.
- Choice D is correct.** **(3.OA.A.4)** Both $5 \times 6 = 30$ and $30 \div 5 = 6$ are in the same fact family.
- Choice B is correct.** **(3.MD.B.4)** Shorter than $3\frac{3}{4}$ feet means values less than $3\frac{3}{4}$. Count the X's at 3, $3\frac{1}{4}$, and $3\frac{1}{2}$: $1 + 1 + 2 = 4$.
- Choice D is correct.** **(3.MD.C.5b)** $9 \times 9 = 81$ unit square tiles.
- The correct answer is 42.** **(3.OA.C.7)** $7 \times 6 = 42$. Count by 6s: 6, 12, 18, 24, 30, 36, 42.



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★ **Champions know:** hard work pays off. You did the hard work. Your math skills are strong because you practiced. ★

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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

PRACTICE TODAY. MASTER TOMORROW.

This book is designed to help **Grade 3** students strengthen their math skills through focused practice and real progress.

- ✓ 8 full-length practice tests
- ✓ Aligned to Grade 3 standards
- ✓ Build confidence and achieve success



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Questions



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Question
Types



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