

8

New Jersey

NJSLA

GRADE 3

MATH

PRACTICE TESTS

Standards-Aligned Review with
Mixed Practice and Answer Key



8 Full-Length
Practice Tests



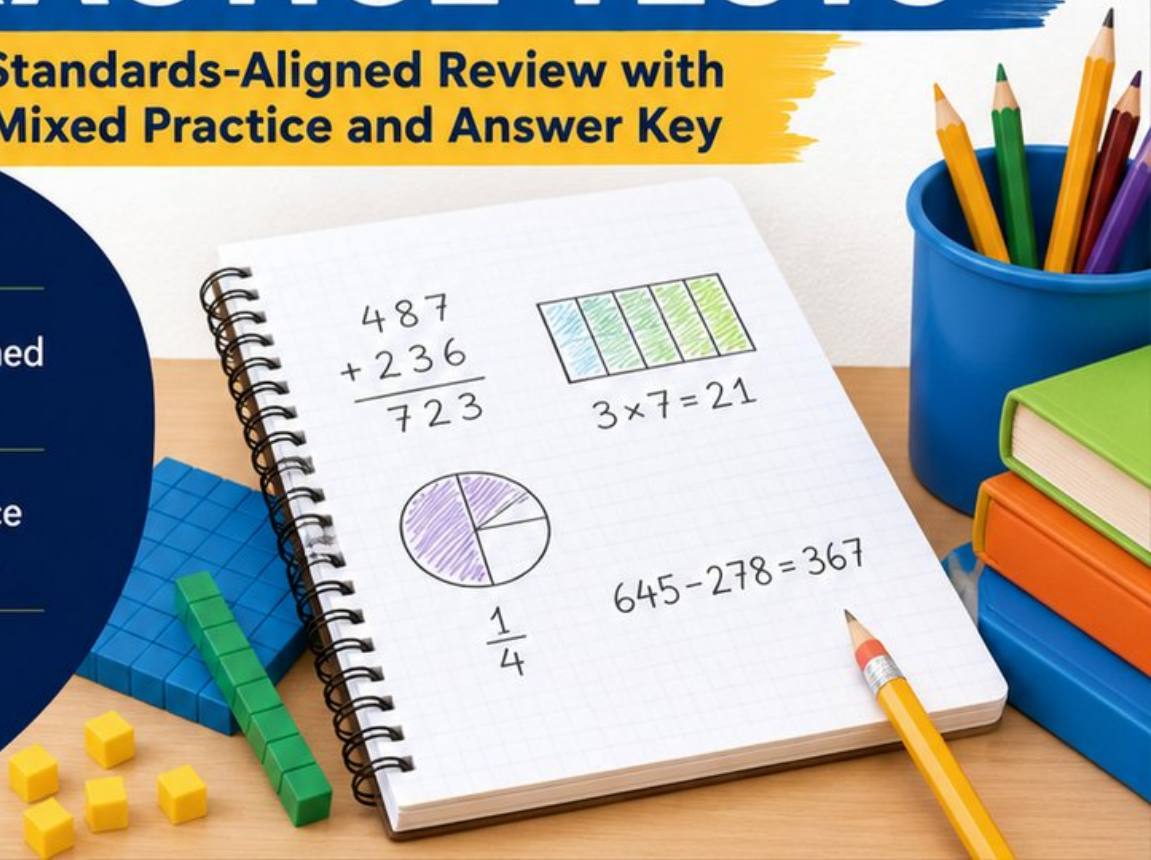
Standards-Aligned
Questions



Build Confidence
and Math Skills



Answer Key
Included



8 New Jersey NJSLA 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.

Jay Daie and Reza Nazari



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New Jersey, 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 Jersey NJSLA. 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 Jersey has shore towns, garden plots, rail lines, boardwalk paths, and quick classroom thinking, where careful steps matter. Strong math follows that same path: notice the question, choose a tool, show the work, and sort information quickly and neatly.

Your New Jersey 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 Jersey 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 Jersey, 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 NJSLA

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 Jersey focus: The practice path starts with shore towns, garden plots, rail lines, boardwalk paths, and quick classroom thinking. Strong math uses the same idea: know the path, follow the clues, and check the final answer.



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For more practice
& answers

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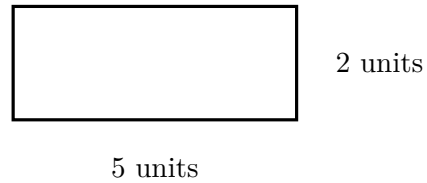
1) Mia drinks juice from four bottles. Each bottle holds 250 mL. How many milliliters does she drink in total?

A. 250 mL

C. 1000 mL

B. 750 mL

D. 2000 mL



2)

What is the area of this rectangle?

A. 7 sq units

C. 12 sq units

B. 10 sq units

D. 15 sq units



3)

A rectangular field measures 9 yards long and 3 yards wide. What is the area of the field?

A. 24 sq yd

C. 12 sq yd

B. 27 sq yd

D. 36 sq yd



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4) What is 8×60 ?

| Hundreds | Tens | Ones |
|----------|------|------|
| 4 | 8 | 0 |

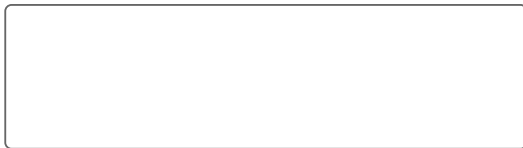
A. 68

C. 480

B. 86

D. 4800

5) A rhombus has how many equal sides?



6) How many whole units does the shaded bar show?



A. 1

C. 6

B. 3

D. 2

7) A picture graph shows stickers. Each heart represents 2 stickers. Mia had 8 hearts, then gave away 3 hearts. How many stickers does Mia have now?

A. 5 stickers

C. 16 stickers

B. 10 stickers

D. 11 stickers



8) Which missing divisor makes this division sentence true?

$$18 \div _ = 3$$

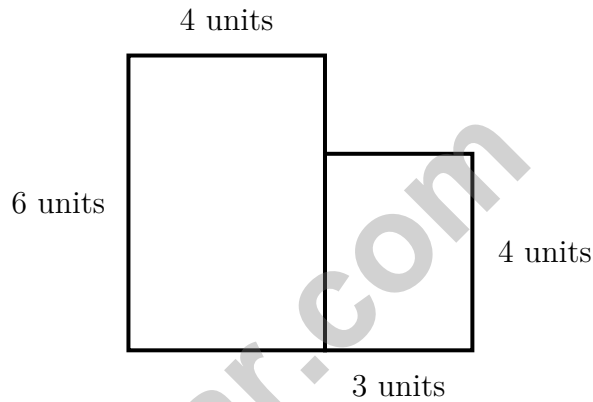
A. 5

C. 21

B. 15

D. 6

9) An L-shaped playground is divided by dashed lines. The left rectangle is 4 units by 6 units. The right rectangle is 3 units by 4 units. What is the total area?



A. 36 sq units

C. 12 sq units

B. 24 sq units

D. 72 sq units

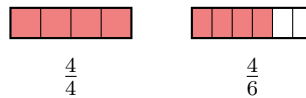
10) A rectangle is 6 units long and 4 units wide. What is its area in square units?

A. 20 sq units

C. 26 sq units

B. 24 sq units

D. 30 sq units



11)

Compare $\frac{4}{4}$ and $\frac{4}{6}$. Which is true?

A. $\frac{4}{4} < \frac{4}{6}$

C. $\frac{4}{4} = \frac{4}{6}$

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

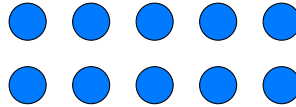
D. $\frac{4}{6} > \frac{4}{4}$



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1) A line plot shows desk surface measurements in inches: 24, $24\frac{1}{2}$, 25, $25\frac{1}{2}$, 26. The counts are: 0 at 24 inches, 2 at $24\frac{1}{2}$ inches, 5 at 25 inches, 1 at $25\frac{1}{2}$ inches, and 2 at 26 inches. Which measurement appears most often?

- A. $24\frac{1}{2}$ inches C. $25\frac{1}{2}$ inches
 B. 25 inches D. 26 inches



2)

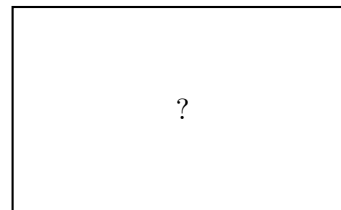
Which multiplication sentence matches?

- A. $10 + 0 = 10$ C. $7 \times 5 = 35$
 B. $2 \times 2 = 4$ D. $5 \times 2 = 10$

3) What is 465 rounded to the nearest 10?

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3 inches



5 inches

4)

What is the area of this rectangle?

- A. 8 sq in C. 10 sq in
 B. 15 sq in D. 12 sq in



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5) Noah has 16 pencils. He puts them into 4 boxes equally. Which division equation shows this?

A. $4 \times 4 = 16$

C. $16 - 4 = 12$

B. $16 + 4 = 20$

D. $16 \div 4 = 4$

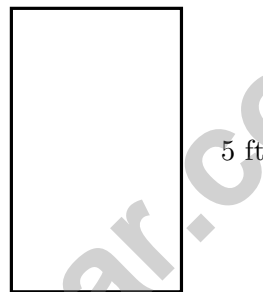
6) A picture graph shows marbles. Each circle represents 2 marbles. Ava has 5 circles and Noah has 3 circles. How many more marbles does Ava have?

A. 4

C. 8

B. 6

D. 10



7)

3 ft

Find the area of this rectangle.

A. 8 sq ft

C. 12 sq ft

B. 15 sq ft

D. 30 sq ft

8) A room is a rectangle. The area is 20 square feet. The length is 5 feet. What is the width?

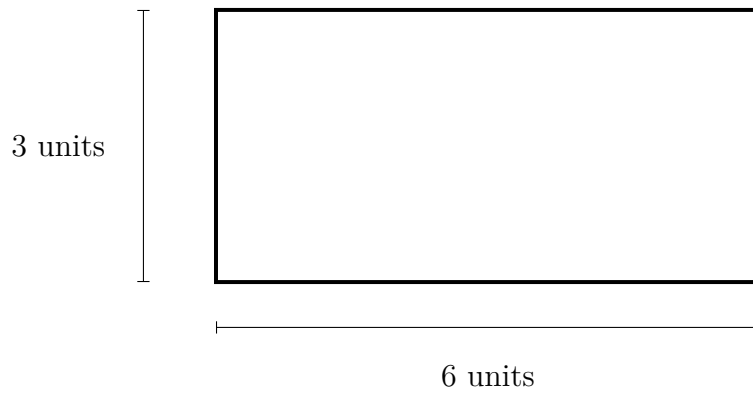
A. 2 feet

C. 4 feet

B. 3 feet

D. 15 feet





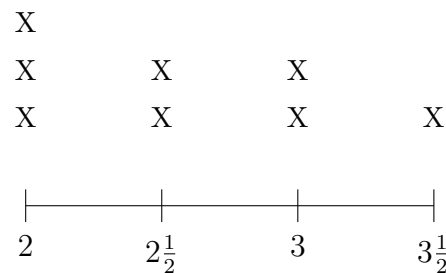
1)

What is the perimeter of this rectangle in units?

- A. 9 units C. 36 units
 B. 18 units D. 54 units

2) How many minutes after 6 : 15 is 6 : 35?

3) A line plot shows button diameters in inches: $2, 2\frac{1}{2}, 3, 3\frac{1}{2}$.



What is the most common button diameter?

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



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4) Lily arranged 6 rows with 2 stickers in each row. How many stickers does she have?

- A. 8 C. 14
 B. 10 D. 12

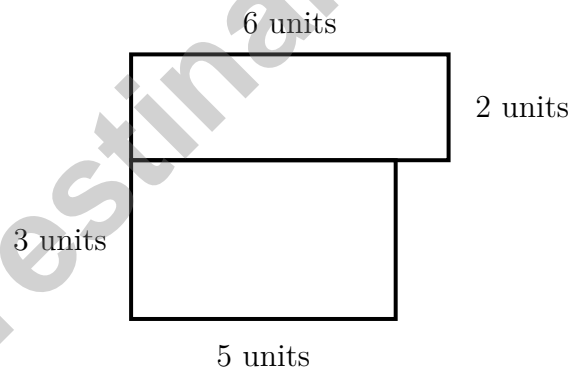
5) $293 + 158 = ?$

- A. 451 C. 441
 B. 452 D. 461

6) A tiled rectangle shows $2 \times (8 + 4)$. What is the combined area of the two smaller rectangles?

- A. 24 C. 18
 B. 20 D. 16

7) An L-shaped shop has two rectangles: top 6 units by 2 units, bottom 5 units by 3 units. What is the total area?



- A. 12 sq units C. 15 sq units
 B. 27 sq units D. 36 sq units



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

- 1) **Choice C is correct.** **(3.M.A.2)** Multiply: $4 \times 250 = 1000$ mL.
- 2) **Choice B is correct.** **(3.M.B.5)** Area = $5 \times 2 = 10$ square units.
- 3) **Choice B is correct.** **(3.M.C.6)** Area = length \times width = $9 \times 3 = 27$ square yards.
- 4) **Choice C is correct.** **(3.NBT.A.3)** Multiply $8 \times 6 = 48$, then multiply by 10: $8 \times 60 = 480$. The chart shows 4 hundreds, 8 tens, and 0 ones.
- 5) **The correct answer is 4 equal sides.** **(3.G.A.1)** A rhombus is defined by having 4 equal sides. When that rhombus also has 4 right angles (like a rectangle), it meets the definition of a square. A square is the shape that has properties of BOTH a rhombus and a rectangle.
- 6) **Choice D is correct.** **(3.G.A.2)** 6 thirds means $6 \div 3 = 2$ wholes. The bar shows two whole units.
- 7) **Choice B is correct.** **(3.DL.B.3)** Remaining hearts: $8 - 3 = 5$. Convert to stickers: $5 \times 2 = 10$ stickers.
- 8) **Choice D is correct.** **(3.OA.A.2)** If $18 \div ? = 3$, then $? = 6$ because $6 \times 3 = 18$. Check: $18 \div 6 = 3$ is correct.
- 9) **Choice A is correct.** **(3.M.B.3)** Left: $4 \times 6 = 24$ sq units. Right: $3 \times 4 = 12$ sq units. Total: $24 + 12 = 36$ sq units.
- 10) **Choice B is correct.** **(3.M.B.3)** Cover it with rows of unit squares: $6 \times 4 = 24$ square units.
- 11) **Choice B is correct.** **(3.NF.A.3)** Four fourths is one whole. Four sixths is less than one whole. So $\frac{4}{4} > \frac{4}{6}$.
- 12) **Choice B is correct.** **(3.M.B.4)** $3 \times 5 = 15$ unit squares.
- 13) **Choice A is correct.** **(3.NF.A.3)** $\frac{1}{4}$ and $\frac{2}{8}$ both show one-quarter of a whole.
- 14) **Choice D is correct.** **(3.NF.A.1)** Exactly 4 copies of $\frac{1}{4}$ fit in the interval from 0 to 1.
- 15) **Choice A is correct.** **(3.G.A.2)** Left rectangle: Area = 10, Height = 2, so Width = $10 \div 2 = 5$. Check: $2 \times (5 + 3) = 2 \times 8 = 16 = 10 + 6$.
- 16) **Choice A is correct.** **(3.OA.B.6)** This problem requires division: $24 \div 8 = \square$. We use the unknown-factor strategy: $\square \times 8 = 24$. The multiplication fact $8 \times 3 = 24$ tells us each student gets 3 crayons. We find the missing factor using multiplication.
- 17) **Choices A and C are correct.** **(3.G.A.2)** If a circle is divided into 6 equal parts, one part is $\frac{1}{6}$. Two parts make $\frac{2}{6}$, which equals $\frac{1}{3}$. Choices B, D, and E use eighths, so they do not describe parts of a circle divided into 6 equal parts.
- 18) **Choice D is correct.** **(3.OA.A.3)** Multiply: 6 rows \times 5 columns = 30 squares.
- 19) **Choice A is correct.** **(3.NBT.A.2)** For $405 - 189$, the standard algorithm with regrouping (forming 3 hundreds 9 tens from 4 hundreds 0 tens) is most direct. Count-up (C) requires many jumps; estimation (D) loses precision; place-value (B) requires tracking three separate subtractions. The algorithm minimizes errors for this problem.
- 20) **Choice A is correct.** **(3.M.B.4)** Shape W is $2 \times 2 = 4$ unit squares. Shape X is $3 \times 1 = 3$ unit squares. Since $4 > 3$, Shape W has more unit squares.
- 21) **The correct answer is 63.** **(3.OA.B.5)** The commutative property gives $9 \times 7 = 63$.
- 22) **Choice A is correct.** **(3.NBT.A.1)** The ones digit is 4. Since $4 < 5$, round down: 254 rounds to 250.
- 23) **Choice C is correct.** **(3.NF.A.2)** $\frac{2}{8} = \frac{1}{4}$. Both eat one-quarter of their pizza.
- 24) **Choice D is correct.** **(3.OA.D.9)** $5 \times 6 = 30$. The pattern is 6, 12, 18, 24, 30, adding 6 each time.
- 25) **The correct answer is 10.** **(3.OA.D.8)** First divide: $96 \div 8 = 12$ stickers in each group. Then subtract the stickers used: $12 - 2 = 10$ stickers left in one group.
- 26) **Choice A is correct.** **(3.NF.A.2)** The dot is at the first tick out of six equal parts, so it represents $\frac{1}{6}$.
- 27) **Choice C is correct.** **(3.NF.A.1)** A whole divided into 2 equal parts gives each part the name $\frac{1}{2}$ (one-half).
- 28) **Choice C is correct.** **(3.DL.B.4)** Less than 4 ounces includes 3 and $3\frac{1}{2}$: that is $2 + 4 = 6$ rocks.
- 29) **Choice B is correct.** **(3.M.A.1)** $3 : 45 - 12 \text{ min} = 3 : 33 \text{ PM}$.
- 30) **Choice C is correct.** **(3.M.B.3)** Area is the space inside a shape (measured in square units). Perimeter is the distance around a shape (measured in regular units).



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Trail Guide's Final Note

Hi, Brave Trail-Walker!

◇ You walked all 8 miles of the practice trail. Smooth paths, steep climbs, narrow passes. Every step taught you something. ◇

★ **Trail guides know:** the most important thing is to keep moving. Slow steps still get you there. You have a steady stride now. ★

Trail Survey

- **Route Knowledge:** You know lots of problem types.
- **Steady Pace:** You don't rush. You don't stop.
- **Pack Loaded:** You have all the math tools you need.
- **Confidence:** You trust your training.

Guide's tip: on test day, stay on the trail you've walked before. Use the strategies you've practiced. Trust the route. The summit is one steady walk away!

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

Jay Daie

Your Math Trail Guide

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



EACH PRACTICE TEST INCLUDES:



Standards-
Aligned
Questions



Variety of
Question
Types



Real-World
Math
Applications



Step-by-Step
Progress
Tracking



Build Skills
and Boost
Confidence

COVERS ALL ESSENTIAL TOPICS

- ✓ Whole Numbers & Operations
- ✓ Fractions & Decimals
- ✓ Algebraic Thinking
- ✓ Geometry
- ✓ Measurement & Data
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