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# 10 New Jersey NJSLA




# GRADE 3

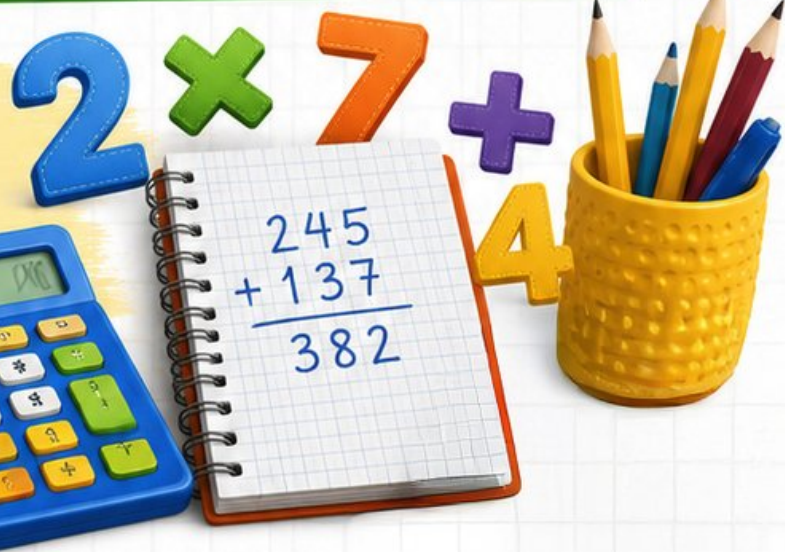
# MATH



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# PRACTICE TESTS

- ✓ Complete Standards Review
  - ✓ Skill Practice
  - ✓ Word Problems and Answer Key
- 



★ ★ ★  
**PREPARE  
PRACTICE  
SUCCEED!**  
★ ★ ★

 Aligned to  
Grade 3 Math  
Standards

 Build Confidence  
and Master  
Math Skills

 Test-Taking  
Practice for  
Success

 Answer Key  
for Easy  
Review

# 10 New Jersey NJSLA Grade 3 Math Practice Tests

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



Ten complete 30-question Grade 3 practice rounds for NJSLA, built around shore walks, boardwalk patterns, and quick strategy checks, with answer keys and clear explanations for every item.

**Jay Daie and Reza Nazari**



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# Welcome, New Jersey Math Explorer!

Ten steady rounds on the Garden State math route

This book gives you ten full Grade 3 practice tests for NJSLA. Each round uses shore walks, boardwalk patterns, and quick strategy checks to keep practice memorable while you read carefully, choose a strategy, show work, and check the answer.

## New Jersey 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 Jersey NJSLA 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 Garden State 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 NJSLA 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 Jersey 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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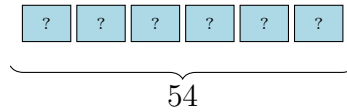
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1) Lily has a tile that is 6 centimeters by 6 centimeters. What is the area of Lily's tile?

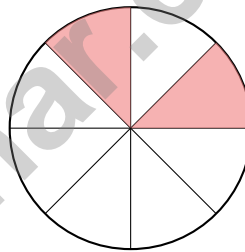
- A. 12 square centimeters       C. 30 square centimeters  
 B. 24 square centimeters       D. 36 square centimeters

2) Look at this bar model. It shows 6 equal parts. The total is 54.



$$6 \times \square = 54$$

- A. 8       C. 10  
 B. 11       D. 9
- 3) Here is a circle divided into 8 equal parts by lines from the center.

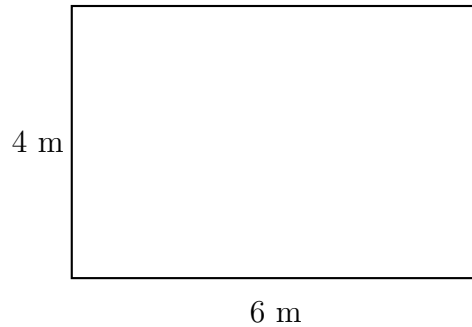


Two parts are shaded. What fraction is shaded?

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



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4)

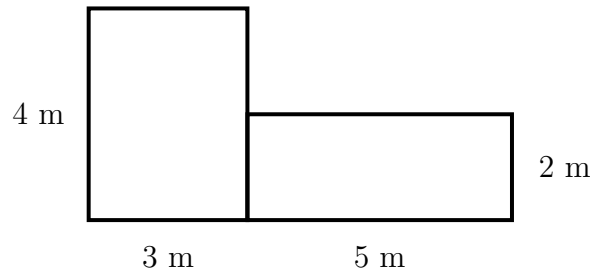
A rectangular parking spot measures 6 meters by 4 meters. What is its area?

 A. 10 sq m C. 12 sq m B. 20 sq m D. 24 sq m5) What is  $9 \times 9$ ?6) Why do  $9 \times 2$  and  $2 \times 9$  have the same product? A. They use different numbers C. They both equal 18 B. Multiplication always works this way D. The commutative property lets us switch the order of factors

7) A library has 137 books. Round this to the nearest 100 to estimate how many books the library has.

 A. 100 C. 137 B. 130 D. 200

- 8) Sam's bedroom is shaped like an L. One part is 3 m long and 4 m wide. The other part is 5 m long and 2 m wide. What is the total area of his bedroom?



- A. 12 sq m                       C. 22 sq m  
 B. 10 sq m                       D. 120 sq m
- 9) Use the place-value chart. What is  $6 \times 10$ ?

Tens	Ones
6	0

- A. 16                                       C. 610  
 B. 60                                       D. 601
- 10)  $\frac{1}{2} = \frac{?}{6}$ . What number goes in the box?
- A. 1                                       C. 3  
 B. 2                                       D. 4
- 11) Noah had 300 cookies. He gave away 145 cookies to his friends. How many cookies does Noah have left?
- A. 155                                       C. 445  
 B. 165                                       D. 245



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- 6) A rectangle uses 5 unit squares in each row. If there are 7 rows, how many unit squares are used in all?

- 7) Which fraction is equivalent to  $\frac{1}{3}$ ?

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

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

8)

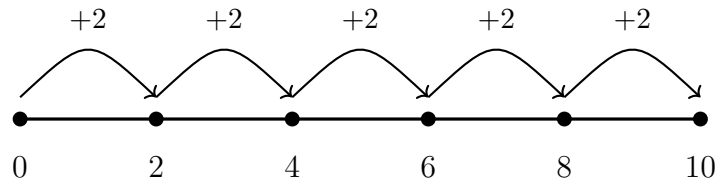


Which color represents odd numbers?

- A. Blue (1, 3, 5)       C. Both colors  
 B. Red (2, 4)       D. Neither color
- 9) A chocolate bar is divided into 4 equal pieces. What fraction is one piece?

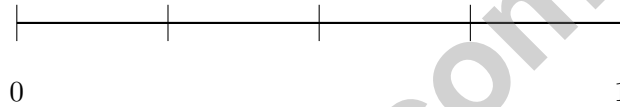


1) Which division sentence is represented by the number line?



- A.  $10 \div 5$ 
 C.  $5 \times 2$   
 B.  $2 + 10$ 
 D.  $10 \div 2$

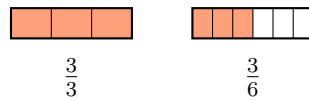
2) A number line from 0 to 1 is divided into 4 equal parts. Which fraction names the first tick mark after 0?



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

3) All multiples of 5 end in 0 or 5. Look at: 5, 10, 15, 20, 25, 30. Which number is NOT a multiple of 5?

- A. 35
  C. 50  
 B. 55
  D. 42



4)

Compare  $\frac{3}{3}$  and  $\frac{3}{6}$ . Which is true?

- A.  $\frac{3}{3} < \frac{3}{6}$ 
 C.  $\frac{3}{3} = \frac{3}{6}$   
 B.  $\frac{3}{3} > \frac{3}{6}$ 
 D.  $\frac{3}{6} > \frac{3}{3}$

5) Two rectangles have the same area. Rectangle 1 is 2 units by 9 units. Rectangle 2 is 3 units by ? units. What is the missing length?

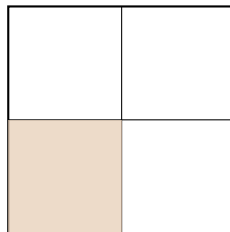
- A. 4 units                       C. 6 units  
 B. 5 units                       D. 7 units

6) Find  $36 \div 4$ . (Hint: What times 4 equals 36?)

7) What is a “unit square”?

- A. A square with side length 1 unit, used to cover and measure area with no gaps or overlaps       B. Any square of any size  
 C. A square drawn on a number line       D. A rectangle that is 2 units by 1 unit

8) A square chocolate bar is divided equally into 4 parts. Ben eats  $\frac{1}{4}$  of the bar. How many parts does Ben eat?



- A. 1 part                       C. 3 parts  
 B. 2 parts                       D. 4 parts



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## 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 D is correct.** **(3.M.B.3)** This is a square:  $6 \times 6 = 36$  square centimeters.
- 2) **Choice D is correct.** **(3.OA.A.4)** Divide:  $54 \div 6 = 9$ . Each part is 9. Check:  $6 \times 9 = 54$ .
- 3) **Choice B is correct.** **(3.G.A.2)** Two shaded parts out of eight equal parts is  $\frac{2}{8}$ .
- 4) **Choice D is correct.** **(3.M.C.6)** Area = length  $\times$  width =  $6 \times 4 = 24$  square meters.
- 5) **The correct answer is 81.** **(3.OA.D.9)**  $9 \times 8 = 72$ , and  $72 + 9 = 81$ .
- 6) **Choice D is correct.** **(3.OA.B.5)** The commutative property of multiplication states that  $a \times b = b \times a$ . This is why  $9 \times 2 = 2 \times 9 = 18$ .
- 7) **Choice A is correct.** **(3.NBT.A.1)** The tens digit is 3. Since  $3 < 5$ , round down: 137 rounds to 100.
- 8) **Choice C is correct.** **(3.M.B.3)** Part 1:  $3 \times 4 = 12$  sq m. Part 2:  $5 \times 2 = 10$  sq m. Total:  $12 + 10 = 22$  sq m.
- 9) **Choice B is correct.** **(3.NBT.A.3)** The chart shows 6 tens and 0 ones, which is  $6 \times 10 = 60$ .
- 10) **Choice C is correct.** **(3.NF.A.3)** The denominator was multiplied by 3 (from 2 to 6). Multiply the numerator by 3:  $1 \times 3 = 3$ . So  $\frac{1}{2} = \frac{3}{6}$ .
- 11) **Choice A is correct.** **(3.NBT.A.2)** Subtract:  $300 - 145 = 155$ . Ones:  $0 - 5$  requires regrouping, so  $10 - 5 = 5$ . Tens:  $9 - 4 = 5$  (after regrouping). Hundreds:  $2 - 1 = 1$  (after regrouping).
- 12) **Choice A is correct.** **(3.M.B.5)** A square with side 3 has area  $3 \times 3 = 9$  square inches.
- 13) **Choice A is correct.** **(3.NF.A.1)** Two equal parts gives unit fraction  $\frac{1}{2}$ .
- 14) **Choices A and D are correct.** **(3.OA.A.1)**  $5 \times 3$  means "five groups of three," giving  $3 + 3 + 3 + 3 + 3 = 15$  (choice A and D are both correct). Choice C is the reverse order (commutative, also equals 15). Choice B is addition. Choice E is incorrect. Technically A, C, and D are all mathematically valid for  $5 \times 3$ , but the most direct answers matching the notation are A (five groups of three) and D (the repeated addition form of five threes).
- 15) **Choice B is correct.** **(3.M.B.4)** Option B is  $2 \times 3 = 6$  unit squares. Option A has 3 unit squares, Option C has 4, and Option D has 5.
- 16) **Choice C is correct.** **(3.OA.D.8)** Step 1: Red apples:  $5 \times 7 = 35$  apples. Step 2: Green apples:  $4 \times 9 = 36$  apples. Total:  $35 + 36 = 71$  apples.
- 17) **Choice C is correct.** **(3.NF.A.2)**  $\frac{2}{6} = \frac{1}{3}$  because both represent one-third of the page.
- 18) **Choice B is correct.** **(3.M.C.6)**  $5 \times 3 = 15$  square units.
- 19) **The correct answer is  $\frac{3}{6}$ .** **(3.NF.A.3)** With the same numerator, a smaller denominator makes a larger fraction.
- 20) **Choice A is correct.** **(3.NF.A.3)**  $\frac{2}{8}$  and  $\frac{1}{4}$  both equal one-quarter of a whole.
- 21) **Choice D is correct.** **(3.OA.A.2)** Measurement division:  $36 \div 6 = 6$ . There are 6 groups of 6 stickers.
- 22) **Choice A is correct.** **(3.G.A.2)** The distributive property multiplies 4 by each part separately, then adds:  $4 \times (6 + 1) = (4 \times 6) + (4 \times 1)$ .
- 23) **Choice C is correct.** **(3.M.B.3)** 3 columns and 4 rows:  $3 \times 4 = 12$  unit squares.
- 24) **Choice A is correct.** **(3.OA.A.3)** Divide:  $36 \div 4 = 9$  pounds per animal.
- 25) **Choice B is correct.** **(3.NF.A.1)** When a whole is divided into 3 equal pieces, each piece is  $\frac{1}{3}$  (one-third).
- 26) **Choice A is correct.** **(3.NF.A.2)**  $\frac{1}{6}$  means one part out of six equal parts, which is at the first tick mark from 0.
- 27) **Choice D is correct.** **(3.OA.C.7)** 5 rows with 6 chairs each:  $5 \times 6 = 30$ .
- 28) **Choice B is correct.** **(3.DL.B.3)**  $5 \times 2 = 10$  minutes.
- 29) **Choice B is correct.** **(3.DL.B.4)** At  $12\frac{1}{2}$ , there are 4 X's. All other lengths have fewer.
- 30) **The correct answer is 27 sq m.** **(3.M.B.4)** Accept any counting strategy (row-add or column-add). Students should show repeated addition or skip-counting.

### Practice Test 2 Answers and Explanations



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## Hi, Math Athlete!

◇ 10 practice tests done! That's serious training. Your math muscles are strong. You are in great shape for the big test. ◇

★ **Trainers know:** muscle memory is real. The more you practice, the more your brain knows what to do without thinking. You built that muscle memory! ★

### Athlete Performance

- **Endurance:** TOP! You can finish a long test.
- **Strength:** STRONG! You handle hard problems.
- **Speed:** JUST RIGHT! You don't rush.
- **Recovery:** GOOD! You bounce back from tough questions.

**Trainer tip:** on test day, drink water, breathe deeply, and warm up with the easier questions first. Your training will carry you the rest of the way!

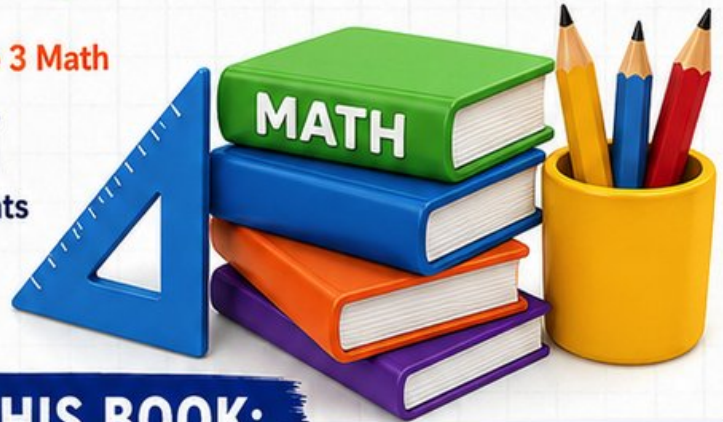
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**Jay Daie**

Your Math Trainer

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