

6

New Jersey

NJSLA

GRADE 3

MATH

PRACTICE TESTS

Standards-Aligned Practice with
Review, Answer Keys, and Explanations



6 Full-Length
Practice Tests



Detailed Answer Keys
and Explanations



Master Skills.
Boost Scores.
Succeed!

6 New Jersey NJSLA Grade 3 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Six complete 30-question practice labs 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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Welcome to the Six Skill Labs

Six full tests, six focused resets, and a stronger Grade 3 problem solver



Notice the pattern. Choose a tool. Explain the answer.

To the Grade 3 Math Builder

This book gives you six practice labs for the New Jersey NJSLA. Each lab is a complete 30-question test, so students can practice accuracy, stamina, and clear mathematical thinking.

New Jersey brings shore towns, garden plots, rail lines, and busy boardwalks. Strong math uses that same care: read the task, select a strategy, build the solution, and sort information quickly and neatly.

Decode

Find the question, the units, and the useful numbers.

Design

Use an equation, array, number line, graph, or sketch.

Confirm

Make sure the answer matches the question.

Six-lab promise: I will work with patience, show useful thinking, and treat corrections as part of learning.

How to Use This Book

A six-lab routine for steady Grade 3 growth

Use one practice lab at a time. The goal is not only to finish more pages. The goal is to finish, review, repair, and bring a smarter habit to the next test. For New Jersey students, each lab is a short route through shore towns, garden plots, rail lines, and busy boardwalks: steady, alert, and ready for the next clue.

1. **Warm up.** Skim the reference materials and remind yourself of common tools.
2. **Take one test.** Work steadily and mark problems that need a second look.
3. **Check answers.** Use the compact answer keys first.
4. **Read explanations.** Study missed items and any lucky guesses.
5. **Redo two problems.** Rewrite the work cleanly without peeking.
6. **Set the next lab goal.** Choose one skill or habit to improve.

Best review habit: A mistake is most useful when you can say why it happened and what you will do differently next time.



What Is Inside?

Six complete practice tests with review support

Part	What You Do	Why It Helps
Practice Tests 1–6	Solve six different 30-question tests.	Build stamina and see Grade 3 skills mixed together.
Answer Keys	Check each answer in compact boxes.	Find mistakes quickly without losing your place.
Explanations	Read why each answer works.	Turn missed items into a clear next step.
Standards Reference	See how New Jersey Grade 3 standards connect to practice.	Understand the skills behind the questions.

Each test has 26 multiple-choice questions, 1 select-all question, and 3 open-ended questions. This gives students practice with quick decisions, careful reading, and short written math answers for the New Jersey NJSLA path.



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1) Mia sees a number line from 0 to 3 divided into thirds. She marks $\frac{5}{3}$. Is this past the 1 on the number line?

A. No, before 1

C. Right at 1

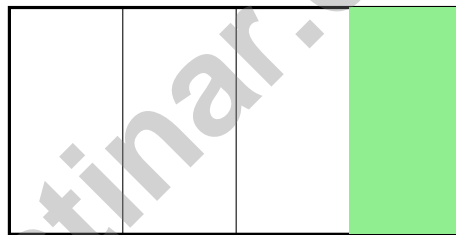
B. Way past 3

D. Yes, past 1

2) Noah is designing a playground. He wants to cover a rectangular area using square meter mats. The playground is 10 meters by 7 meters. How many square meter mats will Noah need to cover the entire playground? Show your counting.



3) Look at the rectangle divided into equal parts below. One part is shaded.



What fraction is shaded?

A. $\frac{1}{4}$

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

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

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

4) Mia and one friend share 16 cookies equally. How many cookies does each person get?

A. 6

C. 14

B. 18

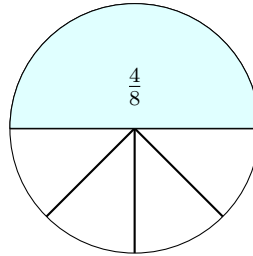
D. 8



5) A whiteboard is 5 feet long and 4 feet wide. What is its area?

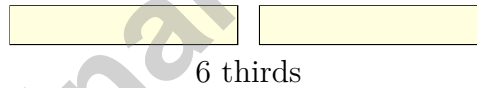
- A. 9 sq ft C. 20 sq ft
 B. 18 sq ft D. 25 sq ft

6) Ava uses 4 of her 8 markers. What fraction did she use?



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

7) What whole number equals $\frac{6}{3}$? Use the bar diagram to help.

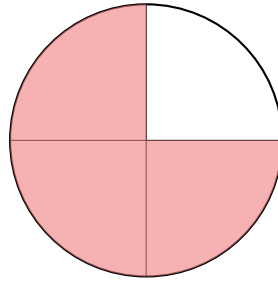


- A. 3 C. 6
 B. 1 D. 2



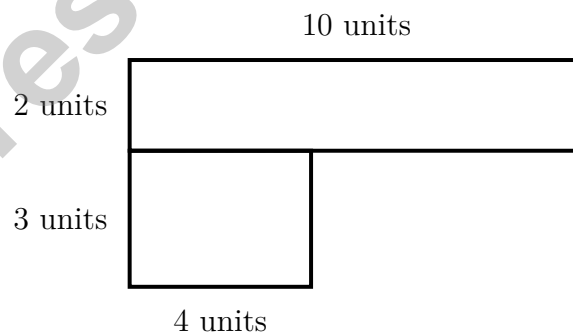
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- 8) A circle is divided into 4 equal parts. If 3 parts are shaded, what fraction of the circle is NOT shaded?



- A. $\frac{1}{4}$
 B. $\frac{2}{4}$
- 9) How many sides does a square have?

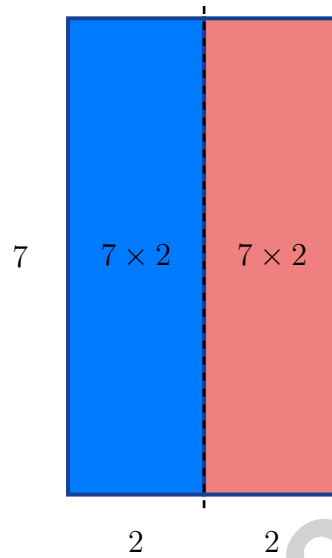
- 10) An L-shaped herb garden is marked with dashed lines. One part is 10 units by 2 units. The other is 4 units by 3 units. What is the total area?



- A. 20 sq units
 B. 12 sq units
- C. 32 sq units
 D. 240 sq units



1) Lily splits 7×4 as $7 \times (2 + 2)$. Which statement describes the area model?

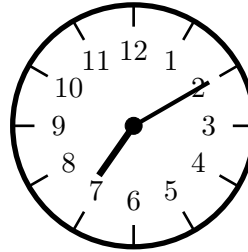


- A. Two parts labeled 7×2 and 7×2 C. Two parts labeled 7×3 and 7×1
 B. One part labeled $7 + 4$ D. Four parts labeled $2 + 2 + 2 + 2$
- 2) A pizza shop made 312 pizzas on Friday and 289 pizzas on Saturday. How many pizzas did the shop make in total?

- A. 501 C. 511
 B. 610 D. 601



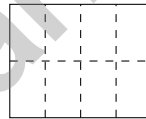
- 3) Mia draws a clock with the hour hand on 7 and the minute hand on 2. What time does Mia's clock show?



- A. 7 : 10 C. 2 : 35
 B. 7 : 12 D. 2 : 07
- 4) Round 476 to the nearest 100.

- A. 400 C. 475
 B. 470 D. 500

5)



This rectangle is divided into equal parts. What multiplication sentence shows this?

- A. $2 \times 2 = 4$ C. $5 \times 2 = 10$
 B. $3 \times 2 = 6$ D. $4 \times 2 = 8$
- 6) Sam has $\frac{12}{4}$ yards of ribbon. How many whole yards does he have?

- A. 2 C. 4
 B. 3 D. 6



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1) In a multiplication table, the diagonal from top-left goes: $1 \times 1 = 1$, $2 \times 2 = 4$, $3 \times 3 = 9$, $4 \times 4 = 16$, $5 \times 5 = 25$.

What pattern do you see?

- A. All numbers are even C. All products are even
 B. Numbers increase by 5 D. Numbers are perfect squares

2) A rectangular kitchen counter is 10 feet long and 3 feet deep. What is the area of the counter?

- A. 26 sq ft C. 13 sq ft
 B. 60 sq ft D. 30 sq ft

3) Which shape has an area of 20 square units?

- A. A 2×8 rectangle C. A 3×6 rectangle
 B. A 4×5 rectangle D. A 2×9 rectangle

4) Sam's classroom has 4 tables arranged in rows. Each table seats 7 students. How many students can sit at the tables?

- A. 28 C. 21
 B. 11 D. 35

5) Lily knows that $3 \times 6 = 18$. How does this help her find 3×7 ?

- A. Add 3 to get $18 + 3 = 21$ C. Add 7 to get $18 + 7 = 25$
 B. The answer is 18 D. Multiply 18 by 7



6) For a number like _____, the rounding rule says “look at the tens digit.” What does the rounding rule mean by “look”?

- A. Stare at the number with your eyes
- B. Write the tens digit on a separate page
- C. Remember all the numbers you’ve rounded before
- D. Check whether it is 5 or greater to decide if we round up

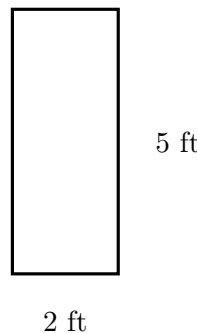
Vertical Algorithm

7)

Hundreds	Tens	Ones
5	4	0
—	—	—
1	8	6

Using the place-value chart, what is $540 - 186$?

- A. 354
- B. 365
- C. 355
- D. 366



8)

A vertical rectangle is 2 feet wide and 5 feet tall. What is the area?

- A. 7 sq ft
- B. 10 sq ft
- C. 15 sq ft
- D. 20 sq ft



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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.NF.A.2)** $\frac{5}{3} = 1\frac{2}{3} \approx 1.67$. This is past 1.
- 2) **The correct answer is 70 mats.** **(3.M.B.3)** Count the rows: 7 rows of mats. Count across: 10 mats per row. Total: $10 + 10 + 10 + 10 + 10 + 10 + 10 = 70$ square meter mats are needed.
- 3) **Choice A is correct.** **(3.NF.A.1)** The rectangle is divided into 4 equal parts, and 1 part is shaded. The fraction is $\frac{1}{4}$ (one-fourth). The numerator is 1 and the denominator is 4.
- 4) **Choice D is correct.** **(3.OA.A.2)** There are 2 people total. $16 \div 2 = 8$, so each person gets 8 cookies.
- 5) **Choice C is correct.** **(3.M.B.4)** Area = $5 \times 4 = 20$ square feet.
- 6) **Choice B is correct.** **(3.NF.A.3)** Ava used 4 out of 8 markers, which is $\frac{1}{2}$.
- 7) **Choice D is correct.** **(3.G.A.2)** 6 thirds equals 2 wholes. Each whole has 3 thirds, so $6 \div 3 = 2$ wholes.
- 8) **Choice A is correct.** **(3.G.A.2)** If 3 out of 4 parts are shaded, then 1 part is not shaded, which is $\frac{1}{4}$.
- 9) **The correct answer is 4 sides.** **(3.G.A.1)** A square has 4 sides.
- 10) **Choice C is correct.** **(3.M.B.3)** One part: $10 \times 2 = 20$ sq units. Other part: $4 \times 3 = 12$ sq units. Total: $20 + 12 = 32$ sq units.
- 11) **Choice B is correct.** **(3.M.C.6)** Area = width \times height = $10 \times 8 = 80$ square inches.
- 12) **Choice C is correct.** **(3.NF.A.3)** Pie 1 shows $\frac{1}{4}$ and Pie 2 shows $\frac{2}{8}$. Both show one-quarter shaded. They are equivalent: $\frac{1 \times 2}{4 \times 2} = \frac{2}{8}$.
- 13) **Choice D is correct.** **(3.OA.A.3)** Divide: $35 \div 5 = 7$ cards per friend.
- 14) **Choices A and C are correct.** **(3.OA.B.5)** A shows $5 \times (3 + 2) = 5 \times 3 + 5 \times 2$, which is the distributive property. C shows $3 \times (2 + 4) = 3 \times 2 + 3 \times 4$, also distributive. B is commutative, D is associative, and E is just a fact.
- 15) **Choice A is correct.** **(3.NBT.A.1)** When rounding to the nearest 10, we look at the ones digit to decide if we round up or down. The ones digit is 5, so 45 rounds to 50.
- 16) **Choice C is correct.** **(3.DL.B.3)** Event A: $2 \times 10 = 20$. Event B: $5 \times 10 = 50$. Total: $20 + 50 = 70$.
- 17) **Choice A is correct.** **(3.M.A.1)** $3 : 52 - 8 \text{ min} = 3 : 44 \text{ PM}$.
- 18) **Choice B is correct.** **(3.M.B.5)** Area = $5 \times 2 = 10$ square meters. This is 5 rows of 2 unit squares (or $2 + 2 + 2 + 2 + 2 = 10$).
- 19) **Choice B is correct.** **(3.M.B.4)** A unit square by definition has side length 1 unit. In centimeters, that is 1 cm by 1 cm, giving area $1 \text{ cm} \times 1 \text{ cm} = 1$ square cm.
- 20) **Choice A is correct.** **(3.OA.B.6)** From any multiplication fact, you always get two division facts. Both factors work as quotients when dividing the product.
- 21) **Choice B is correct.** **(3.NF.A.1)** Four equal parts on the number line give unit fraction $\frac{1}{4}$.
- 22) **Choice A is correct.** **(3.OA.D.8)** Step 1: Total cards: $6 \times 4 = 24$ cards. Step 2: Subtract lost: $24 - 8 = 16$ cards.
- 23) **Choice B is correct.** **(3.NBT.A.3)** In 90, the 9 is in the tens place (representing 9 tens, or 9×10). The 0 is in the ones place. So $90 = 9 \text{ tens} + 0 \text{ ones}$.
- 24) **Choice C is correct.** **(3.NF.A.2)** $\frac{3}{6} = \frac{1}{2}$. Both represent one-half of the circle.
- 25) **Choice D is correct.** **(3.OA.A.4)** Divide: $32 \div 4 = 8$ stickers per friend.
- 26) **The correct answer is 4 plants.** **(3.DL.B.4)** At least 9 inches means $9, 9\frac{1}{2}$, and 10 inches: $0 + 1 + 3 = 4$ plants.
- 27) **Choice A is correct.** **(3.NBT.A.2)** Ones: $8 + 5 = 13$ (write 3, carry 1). Tens: $1 + 7 + 1 = 9$. Hundreds: $2 + 1 = 3$. Answer: 393.
- 28) **Choice A is correct.** **(3.OA.D.9)** Row A shows 3, 6, 9, 12, which are multiples of 3. Row B shows multiples of 5.
- 29) **Choice D is correct.** **(3.OA.C.7)** $7 \times 7 = 49$. Seven groups of 7 equals 49.
- 30) **Choice A is correct.** **(3.OA.A.1)** 3 groups of 4 means three separate groups, each with 4 objects. Choice A shows three groups with 4 stars in each.



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Hi, Math Inventor!

◇ 6 practice tests. 6 chances to invent new ways to think. You tried things. You changed them. You made your math brain stronger! ◇

★ **Inventors know:** the first try isn't always the best try. Sometimes you fix it. Sometimes you start over. You did all of that! ★

Inventor's Workshop

- **Sketch Pad:** Full of ideas!
- **Toolbox:** Lots of math strategies.
- **Workbench:** Neat and organized.
- **Brave Mind:** You try new things.

Inventor tip: on test day, if your first try doesn't work, switch tools. Inventors don't get stuck on one tool. Pick the right one for the job!

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

Jay Daie

Your Math Inventor

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This **Grade 3 Math Practice Tests** book is the perfect companion for students who want to strengthen their math skills and excel in school. With **6** full-length practice tests designed to reflect real test formats, students get the practice they need to understand key concepts, build problem-solving skills, and tackle any challenge with confidence.

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