

5

New Jersey

NJSLA

GRADE 3

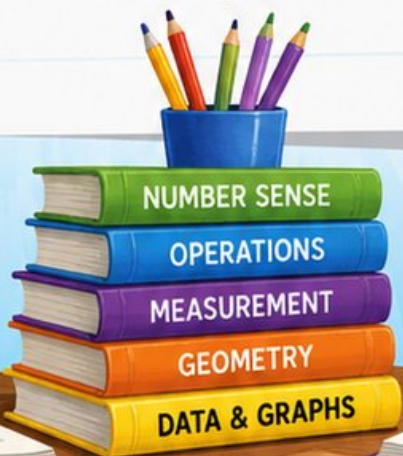
MATH

PRACTICE TESTS

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

$24 \div 3 = 8$

$125 + 37$



5 FULL-LENGTH
PRACTICE TESTS



STANDARDS-
ALIGNED
PRACTICE



DETAILED
ANSWER KEYS



CLEAR
EXPLANATIONS
TO HELP YOU SUCCEED

5 New Jersey NJSLA Grade 3 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Five focused 30-question checkpoints for Grade 3 math: facts, 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 Five Checkpoint Quest

Five tests, five fresh starts, and one stronger Grade 3 thinker



Read. Model. Solve. Check. Grow.

To the Grade 3 Math Explorer

This book gives you five practice checkpoints for the New Jersey NJSLA. Each checkpoint is a full 30-question test, so you can practice stamina, accuracy, and the habit of showing what you know.

New Jersey has shore towns, garden paths, boardwalks, and busy routes where math helps organize the day. Strong math uses the same kind of careful planning: look at the path, choose a tool, and check your work before moving ahead.

Notice

Circle key words, units, and numbers before you start.

Build

Use arrays, number lines, equations, tables, or sketches.

Verify

Ask, “Does this answer fit the question?”

Five-checkpoint promise: I will try each test with patience, mark my mistakes honestly, and use every correction to make the next checkpoint stronger.

How to Use This Book

A five-step routine for steady Grade 3 growth

Use one checkpoint at a time. A good pace is one test, one careful review, and one short skill tune-up before the next test.

1. **Preview the tools.** Skim the reference page and remember where multiplication, fractions, measurement, and shapes appear.
2. **Take one full test.** Work neatly. If a problem feels stuck, mark it and keep moving.
3. **Check the answer key.** Notice the question type: multiple choice, select all, or open-ended.
4. **Study explanations.** Pick two missed questions and redo them without looking.
5. **Choose the next focus.** Write one habit to carry into the next checkpoint.

Best review habit: Do not just ask, “What was the answer?” Ask, “What clue did I miss, and what tool should I try next time?”



What Is Inside?

Five complete practice tests with review support

Part	What You Do	Why It Helps
Practice Tests 1–5	Solve five different 30-question tests.	Build stamina and see many Grade 3 skills mixed together.
Answer Keys	Check each answer in compact boxes.	Find mistakes quickly without losing your place.
Explanations	Read the reason behind each answer.	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. That mix gives students practice with quick choices, careful reasoning, and short written answers.



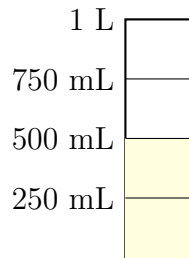
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7) If you split the distance from 0 to 1 into 2 equal pieces, each piece is what fraction?

- A. $\frac{1}{2}$
 C. $\frac{1}{3}$ (confusing 2 with 3)
- B. $\frac{2}{2}$ (the whole)
 D. $\frac{2}{1}$ (reversed fraction)



Container

8)

A liquid container is filled to the 750 mL line. How much more liquid is needed to reach 1 liter?

- A. 100 mL
 C. 250 mL
- B. 150 mL
 D. 750 mL

9) A rectangle is 9 units by 4 units. If we write 9×4 using the distributive property with $4 = (2 + 2)$, what do we get?

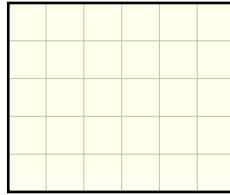
- A. $(9 \times 2) + (9 \times 2) = 18 + 18 = 36$
 C. $(9 + 2) + (9 + 2) = 22$
- B. $9 + 2 + 2 = 13$
 D. $2 + 2 = 4$

10) Noah drew 6 boxes with 4 stars in each box. How many stars did Noah draw in total?

- A. 10 stars (adds $6 + 4$)
 C. 16 stars (multiplies by second number: 4×4)
- B. 15 stars
 D. 24 stars



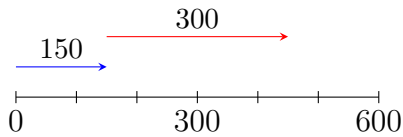
11) On this grid, how many unit squares cover the rectangle?



- A. 11 sq units C. 30 sq units
 B. 22 sq units D. 35 sq units
- 12) Eli bought 48 buttons for his sewing project. He needs 6 buttons per shirt. How many shirts can he complete?
- A. 6 shirts C. 9 shirts
 B. 7 shirts D. 8 shirts
- 13) Which two of the following sums equal 500?
- A. $245 + 255$
 B. $312 + 178$
 C. $350 + 150$
 D. $200 + 290$
 E. $289 + 212$
- 14) A square is 5 unit squares long on each side. How many unit squares cover it?
- A. 20 unit squares C. 12 unit squares
 B. 10 unit squares D. 25 unit squares



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1)

Using the number line, what is $150 + 300$?

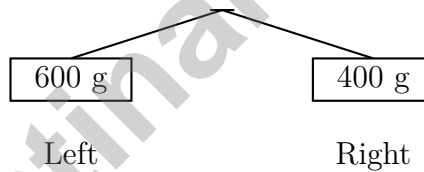
- A. 400 C. 500
 B. 550 D. 450

2) Mia buys stickers in packs of 10. She buys 1 pack, then 2 packs, then 3 packs, then 4 packs.

How many stickers does she have with 4 packs?

- A. 10 C. 30
 B. 20 D. 40

Balance Scales



3)

What is the difference in mass between the two sides?

- A. 100 g C. 400 g
 B. 200 g D. 600 g



4) A number line from 0 to 1 has tick marks that divide it into equal parts. There are 5 tick marks total (counting 0 and 1). How many equal parts are there?

A. 3

C. 5

B. 4

D. 6

5) The school day starts at 8 : 30 AM and ends at 3 : 15 PM. How long is the school day?

A. 6 hours 30 minutes

C. 7 hours

B. 6 hours 45 minutes

D. 7 hours 15 minutes

6) Two rectangles are shown. Rectangle A: length 6, width 3. Rectangle B: length 5, width 4. Which has the larger area?

A. Rectangle A

D. Cannot tell from the information given

B. Rectangle B

C. They are equal

7) What fraction is the third tick on a number line split into 6 equal parts?



8) A student drew four shapes: a square, a rhombus, a rectangle, and a trapezoid. How many of these shapes are always parallelograms?

A. 1

C. 3

B. 2

D. 4



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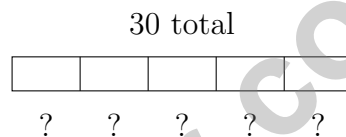
- 1) Ben marks the location of $\frac{5}{6}$ on a number line from 0 to 1 divided into 6 equal parts. Which statement is TRUE?

- A. $\frac{5}{6}$ is 1 tick away from 1
 B. $\frac{5}{6}$ is 5 ticks away from 0
 C. $\frac{5}{6}$ is closer to 0 than to 1
 D. $\frac{5}{6}$ is at the 6th tick

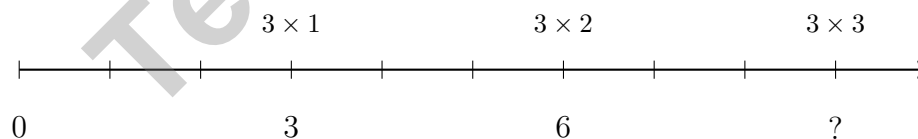
- 2) A classroom is shaped like a rectangle. The length is 9 meters and the width is 3 meters. What is the area of the classroom?

- A. 12 sq m
 B. 18 sq m
 C. 24 sq m
 D. 27 sq m

- 3) Which division equation matches this bar model showing 30 split into 5 equal parts?



- A. $30 \times 5 = 150$
 B. $30 - 5 = 25$
 C. $5 + 6 = 11$
 D. $30 \div 5 = 6$
- 4) Look at the skip-count number line. It shows counting by 3s. What number is missing?



What is 3×3 ?

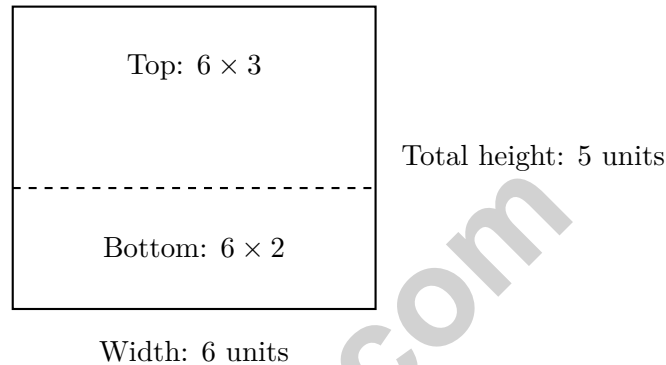
- A. 6
 B. 15
 C. 12
 D. 9



5) A train arrives at 2 : 18 PM. A bus arrives 22 minutes after the train. What time does the bus arrive?

- A. 2 : 30 PM C. 2 : 40 PM
 B. 2 : 35 PM D. 2 : 45 PM

6) A rectangle is tiled and labeled like this:



Which sum of the two smaller areas gives the total area?

- A. $6 \times (3 + 2) = 30$ C. $6 + 5 = 11$
 B. $(6 \times 3) + (6 \times 2) = 18 + 12 = 30$ D. $3 + 2 = 5$

7) A cake is divided into 6 equal pieces. If you eat $\frac{1}{6}$, $\frac{1}{6}$, and $\frac{1}{6}$, how much of the cake do you eat in total?

- A. $\frac{3}{6}$ C. $\frac{1}{18}$
 B. $\frac{1}{6}$ D. $\frac{3}{1}$

8) Which number sentence represents “20 items divided equally among 4 groups”?

- A. $20 \div 4$ C. $4 + 20$
 B. 4×20 D. $20 - 4$



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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 B is correct.** **(3.MD.C.7)** Area = $7 \times 2 = 14$ square inches.
- 2) **Choice C is correct.** **(3.OA.C.7)** $24 \div 3 = 8$. Each of the 3 boxes gets 8 pencils.
- 3) **Choice B is correct.** **(3.OA.D.8)** Step 1: Divide: $48 \div 6 = 8$ students per class. Step 2: Add new students: $8 + 4 = 12$ students in that class. (Choice A is step 1 only.)
- 4) **Choice B is correct.** **(3.NF.A.3c)** $\frac{4}{1} = 4$. Any whole number over 1 equals that number.
- 5) **Choice C is correct.** **(3.MD.C.7d)** When a composite shape is divided into non-overlapping rectangles, the total area equals the sum of the individual rectangle areas. Here: $12 + 15 = 27$ square units.
- 6) **Choice D is correct.** **(3.OA.A.2)** This is a measurement division: How many groups of 5 fit in 20? $20 \div 5 = 4$.
- 7) **Choice A is correct.** **(3.NF.A.2a)** Two equal pieces means each is one half, written $\frac{1}{2}$. The denominator is the number of parts (2), and the numerator is 1 because we count one piece.
- 8) **Choice C is correct.** **(3.MD.A.2)** 1 L = 1000 mL. Subtract: $1000 - 750 = 250$ mL.
- 9) **Choice A is correct.** **(3.MD.C.7c)** $9 \times (2 + 2) = 9 \times 4 = 36$, and we can show this as two 9×2 rectangles side by side.
- 10) **Choice D is correct.** **(3.OA.A.1)** 6 boxes with 4 stars in each box means 6 groups of 4. So $6 \times 4 = 24$ stars.
- 11) **Choice C is correct.** **(3.MD.C.6)** $6 \times 5 = 30$ unit squares.
- 12) **Choice D is correct.** **(3.OA.B.6)** This is a division problem: $48 \div 6 = \square$ means $\square \times 6 = 48$. To find the missing factor, we think: 6 times what number gives 48? Since $8 \times 6 = 48$, Eli can complete 8 shirts. This shows how multiplication and division are inverse operations.
- 13) **Choices A and C are correct.** **(3.NBT.A.2)** Check each: A is $245 + 255 = 500$, B is $312 + 178 = 490$, C is $350 + 150 = 500$, D is $200 + 290 = 490$, and E is $289 + 212 = 501$. The two sums that equal 500 are A and C.
- 14) **Choice D is correct.** **(3.MD.C.5b)** A 5 by 5 square has $5 \times 5 = 25$ unit squares.
- 15) **The correct answer is 700.** **(3.NBT.A.1)** The tens digit is 2. Since $2 < 5$, round down: 728 rounds to 700.
- 16) **Choice C is correct.** **(3.NBT.A.3)** $2 \times 8 = 16$, then multiply by 10: $2 \times 80 = 160$. You multiply the single digits first, then add one zero.
- 17) **Choice C is correct.** **(3.MD.B.4)** Add all X's: $1 + 3 + 2 + 4 = 10$ stems total.
- 18) **Choice B is correct.** **(3.NF.A.3b)** The numerator was multiplied by 2 (from 1 to 2). Multiply the denominator by 2: $3 \times 2 = 6$. So $\frac{1}{3} = \frac{2}{6}$.
- 19) **Choice D is correct.** **(3.OA.A.4)** Use the inverse: $35 \div 5 = 7$. Check: $7 \times 5 = 35$.
- 20) **Choice B is correct.** **(3.NF.A.3d)** Two thirds (with thirds) covers more area than two fourths (with fourths). Larger pieces means larger total.
- 21) **Choice B is correct.** **(3.NF.A.1)** Sam eats $\frac{1}{4}$ and Mia eats $\frac{1}{4}$. Together: $\frac{1}{4} + \frac{1}{4} = \frac{2}{4}$ is eaten, so $\frac{2}{4}$ remains.
- 22) **Choice C is correct.** **(3.MD.A.1)** From 4 : 30 to 5 : 30 is 1 hour (60 minutes). From 5 : 30 to 5 : 42 is 12 more minutes. Total: $60 + 12 = 72$ minutes.
- 23) **Choice B is correct.** **(3.NF.A.2)** Reading left to right on the number line: first tick ($\frac{1}{6}$), third tick ($\frac{3}{6}$), fifth tick ($\frac{5}{6}$). Least to greatest.
- 24) **The correct answer is 12.** **(3.OA.D.9)** The difference between consecutive numbers is always 2: $2 + 2 = 4$, $4 + 2 = 6$, and so on. So $10 + 2 = 12$.
- 25) **Choice C is correct.** **(3.MD.C.5)** Both rectangles have area $4 \times 5 = 20$ square units. Multiplication is commutative: $4 \times 5 = 5 \times 4$. Rotating a rectangle doesn't change its area.
- 26) **Choice C is correct.** **(3.MD.C.5a)** If each unit square is 1 cm by 1 cm, then 7 unit squares of 1 cm fit along a 7 cm side.
- 27) **Choice D is correct.** **(3.MD.B.3)** First: $4 \times 3 = 12$. Second: $5 \times 3 = 15$. Total: $12 + 15 = 27$.
- 28) **Choice D is correct.** **(3.OA.A.3)** Multiply: 2 cars \times \$8 per car = \$16.
- 29) **Choice D is correct.** **(3.OA.B.5)** By the commutative property of multiplication, $7 \times 6 = 6 \times 7 = 42$.
- 30) **The correct answer is 48 square feet.** **(3.MD.C.7b)** Area = length \times width, so $8 \times 6 = 48$ square feet.



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Hi, Math Athlete!

◇ 5 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!

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

Jay Daie

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- ✓ Time & Money
- ✓ Data & Graphs
- ✓ Word Problems
- ✓ And More!



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$$\begin{array}{r} 7 \times 8 \\ = 56 \end{array}$$

$$\begin{array}{r} 36 \\ \div 4 = 9 \end{array}$$

$$\begin{array}{r} 452 \\ - 178 \\ \hline = 274 \end{array}$$



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