

7

New Jersey

NJSLA

Grade 3 MATH

PRACTICE TESTS

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



7 Full-Length
Practice Tests



Standards-Aligned
Math Practice



Detailed Answer Keys
and Explanations



Build Confidence.
Achieve Success.

PREPARE
PRACTICE
SUCCEED



$4 \times 6 = 24$

$2 + 3 = 5$

7 New Jersey NJSLA Grade 3 Math Practice Tests

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



Seven complete 30-question practice trails 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 Seven Math Trails

Seven full tests, seven fresh chances, and one braver Grade 3 thinker



Read the trail. Mark the clues. Solve with care.

To the Grade 3 Math Trail Leader

This book gives you seven complete practice trails for the New Jersey NJSLA. Each trail is a full 30-question test, so students can practice accuracy, stamina, and clear explanations over time.

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.

Scout

Find what the problem is asking before you calculate.

Solve

Pick an equation, model, array, graph, or number line.

Prove

Check the answer and explain the thinking clearly.

Seven-trail promise: I will work with patience, use my scratch space wisely, and let every correction make my next test stronger.

How to Use This Book

A seven-trail routine for steady Grade 3 growth

Use one practice trail at a time. The goal is not to rush through more pages. The goal is to finish, check, repair, and bring a stronger habit to the next test. For New Jersey students, each trail moves through shore towns, garden plots, rail lines, boardwalk paths, and quick classroom thinking: steady, alert, and ready for the next clue.

1. **Preview the tools.** Skim the reference page before each test.
2. **Take one test.** Work steadily and mark problems that need another look.
3. **Check the key.** Use the compact answer boxes first.
4. **Study explanations.** Read missed items and lucky guesses.
5. **Redo three problems.** Rewrite the work cleanly without copying.
6. **Name one habit.** Choose a focus such as labels, facts, fractions, or checking.
7. **Start the next trail.** Bring that habit into the next full test.

Best review habit: A missed problem is a trail marker. It shows where to slow down, look again, and choose a better step.



What Is Inside?

Seven complete practice tests with review support

Part	What You Do	Why It Helps
Practice Tests 1–7	Solve seven different 30-question tests.	Build stamina and see Grade 3 skills mixed together.
Reference Materials	Review measurement and time facts before each test.	Keep common tools close without turning pages backward.
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.

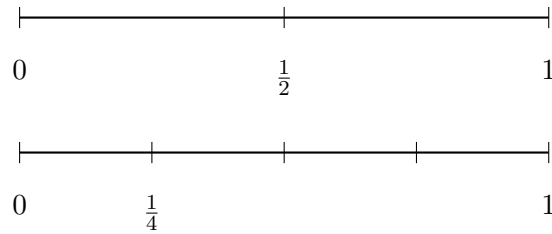


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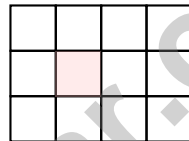
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- 1) Two number lines both show 0 to 1. One is divided into 2 parts, another into 4 parts. Which unit fraction is bigger?



- A. $\frac{1}{2}$ is bigger C. They are equal
 B. $\frac{1}{4}$ is bigger D. Cannot compare
- 2) Look at this shape made of unit squares. One square is shaded pink to help you see it:

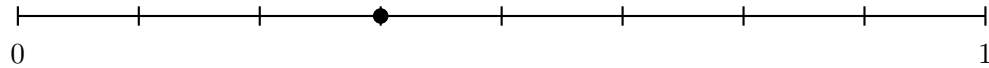


How many distinct unit squares cover the shape?

- A. 11 unit squares C. 13 unit squares
 B. 12 unit squares D. 24 unit squares
- 3) Which expanded number sentence uses the distributive property?
- A. $2 \times (6 + 4) = 2 \times 6 + 4 = 16$ D. $2 \times (6 + 4) = 2 \times 6 + 2 \times 4 = 12 + 8 = 20$
 B. Neither is correct
 C. $2 \times (6 + 4) = 2 + 6 + 4 = 12$

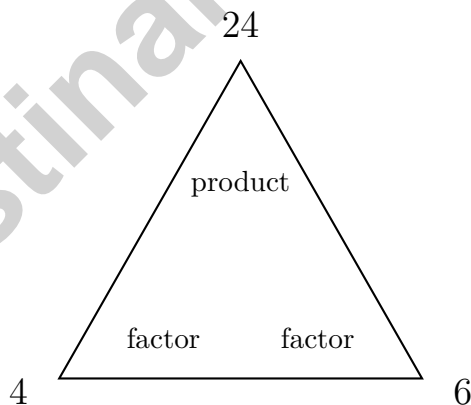


- 4) A number line goes from 0 to 1 and has 8 equal parts. The point shown is at which fraction?



- A. $\frac{1}{8}$ C. $\frac{3}{8}$
 B. $\frac{2}{8}$ D. $\frac{4}{8}$
- 5) Maya buys 7 packs of stickers. Each pack has 30 stickers. How many stickers does Maya buy?

- 6) Look at the fact-family triangle below. If $4 \times 6 = 24$, what is $24 \div 4$?

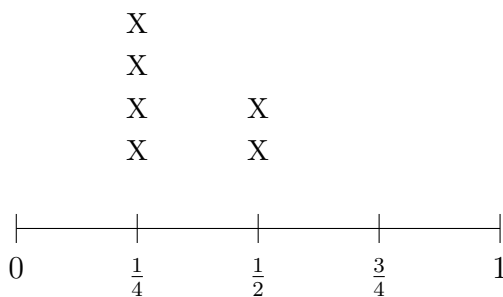


- A. 4 C. 24
 B. 28 D. 6



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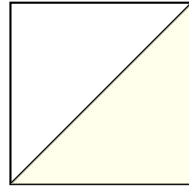
7) Ava measured rainfall amounts in inches: $0, \frac{1}{4}, \frac{1}{2}, \frac{3}{4}, 1$.



How many more days had $\frac{1}{4}$ inch of rain than $\frac{1}{2}$ inch of rain?

- A. 1 day
 - B. 2 days
 - C. 3 days
 - D. 4 days
- 8) A rectangular piece of fabric is 10 feet long and 2 feet wide. What is the total area of the fabric?
- A. 12 sq ft
 - B. 20 sq ft
 - C. 24 sq ft
 - D. 5 sq ft
- 9) What is $486 + 237$?
- A. 613
 - B. 713
 - C. 723
 - D. 624
- 10) A pie is cut into 6 equal slices. Ava eats one slice. What fraction of the pie does Ava eat?
- A. $\frac{5}{6}$
 - B. $\frac{6}{6}$
 - C. $\frac{1}{6}$
 - D. $\frac{1}{5}$

- 1) A square is divided into 2 equal parts by a diagonal line. What fraction is one part?



- A. $\frac{1}{3}$
 C. $\frac{1}{4}$
 B. $\frac{2}{2}$
 D. $\frac{1}{2}$
- 2) Which comparison is true?

- A. $\frac{2}{8} < \frac{2}{6}$
 C. $\frac{2}{8} = \frac{2}{6}$
 B. $\frac{2}{8} > \frac{2}{6}$
 D. $\frac{2}{6} < \frac{2}{8}$

3 inches



- 3) 11 inches

Find the area of this rectangle.

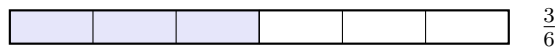
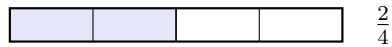
- A. 28 sq in
 C. 14 sq in
 B. 33 sq in
 D. 66 sq in
- 4) Lily sees $(3 \times 2) \times 4$. She wants to find the answer using a different grouping. Which equation correctly finds the same product?
- A. $3 + (2 \times 4) = 11$
 C. $(3 + 2) \times 4 = 20$
 B. $3 \times 2 \times 4 = 9$
 D. $3 \times (2 \times 4) = 24$



5) Lily used $\frac{1}{2}$ of her crayons. Sam used $\frac{3}{6}$ of his crayons. Used the same fraction?

- A. Yes, they used the same fraction C. No, Sam used more
 B. No, Lily used more D. Cannot determine

6) Look at the bars. Are $\frac{2}{4}$ and $\frac{3}{6}$ equivalent?



- A. Yes, they are equivalent C. The first is larger
 B. No, they are not equivalent D. The second is larger

Missing Addend: $? + 189 = 506$

7)

Hundreds	Tens	Ones
?	?	?
+	+	+
1	8	9
5	0	6

What is the missing addend?

- A. 317 C. 406
 B. 307 D. 395



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1) Round 351 to the nearest 100.

A. 300

C. 351

B. 350

D. 400

2) Which missing divisor makes the number sentence true?

$$24 \div _ = 4$$

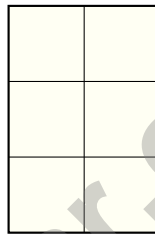
A. 6

C. 28

B. 20

D. 8

Each square is 1 ft \times 1 ft



3)

The grid shows a shape made of unit squares measured in feet. How many unit squares fit in this shape?

A. 3 unit squares

C. 6 unit squares

B. 5 unit squares

D. 8 unit squares

4) A rectangle has a width of 3 feet and a length of 8 feet. The rectangle has 8 rows with 3 unit squares in each row. Find the area by adding: $3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 = ?$

A. 11 sq ft

C. 24 sq ft

B. 16 sq ft

D. 32 sq ft



5) Ben has one whole cookie. Which fraction represents this?

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

- C. $\frac{1}{0}$
 D. $\frac{1}{1}$

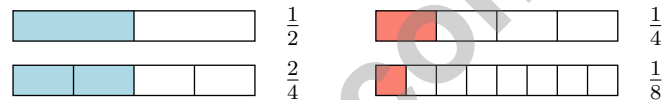
6) What number makes the equation true?

$$63 \div \square = 7$$

- A. 7
 B. 10

- C. 8
 D. 9

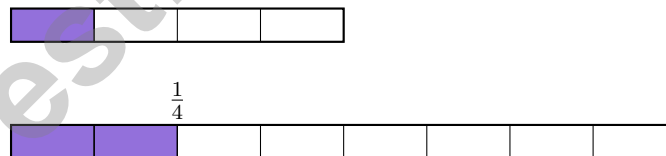
7) Look at the fraction bars below. Which fractions are equivalent?



- A. $\frac{1}{2}$ and $\frac{1}{8}$
 B. $\frac{1}{4}$ and $\frac{1}{8}$

- C. $\frac{1}{2}$ and $\frac{2}{4}$
 D. $\frac{1}{4}$ and $\frac{2}{4}$

8) Which fraction does the bar show that is equivalent to $\frac{1}{4}$?



?

- A. $\frac{3}{8}$
 B. $\frac{2}{8}$

- C. $\frac{1}{8}$
 D. $\frac{4}{8}$



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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 A is correct.** (3.NF.A.1) Fewer parts mean larger individual pieces. $\frac{1}{2} > \frac{1}{4}$.
- 2) **Choice B is correct.** (3.M.B.3) The pink square is still one of the unit squares. The rectangle has $4 \times 3 = 12$ distinct unit squares.
- 3) **Choice D is correct.** (3.OA.B.5) The distributive property multiplies 2 by each addend: $2 \times 6 + 2 \times 4 = 12 + 8 = 20$.
- 4) **Choice C is correct.** (3.NF.A.2) The dot is at the 3rd mark out of 8 equal divisions, so the fraction is $\frac{3}{8}$.
- 5) **The correct answer is 210.** (3.NBT.A.3) 7 packs of 30 stickers = $7 \times 30 = 210$ stickers. Multiply $7 \times 3 = 21$, then add one zero.
- 6) **Choice D is correct.** (3.OA.B.6) In a fact-family triangle, the product is at the top and the factors are at the bottom. If $4 \times 6 = 24$, then $24 \div 4 = 6$. The factors are the answers when dividing.
- 7) **Choice B is correct.** (3.DL.B.4) At $\frac{1}{4}$ inch there are 4 X's. At $\frac{1}{2}$ inch there are 2 X's. The difference is $4 - 2 = 2$ days.
- 8) **Choice B is correct.** (3.M.C.6) Area = length \times width = $10 \times 2 = 20$ square feet.
- 9) **Choice C is correct.** (3.NBT.A.2) Add the ones ($6 + 7 = 13$, write 3, carry 1), tens ($8 + 3 + 1 = 12$, write 2, carry 1), hundreds ($4 + 2 + 1 = 7$). Answer: 723.
- 10) **Choice C is correct.** (3.NF.A.1) The pie has 6 equal slices. Ava eats 1 slice, so she eats $\frac{1}{6}$ of the pie.
- 11) **Choice A is correct.** (3.G.A.2) Total area is 24. Left part is 9. Right part is $24 - 9 = 15$, which equals 3×5 .
- 12) **Choice C is correct.** (3.M.B.4) A 3×3 checkerboard contains $3 \times 3 = 9$ unit squares.
- 13) **Choice B is correct.** (3.DL.B.3) Read the height of each bar on the vertical axis by counting the grid lines.
- 14) **Choices A and B are correct.** (3.OA.A.2) $20 \div 5$ has two equivalent meanings: "20 items shared among 5 groups" (partitive, answer is 4 per group) and "How many groups of 5 fit in 20" (quotitive, answer is 4 groups). Choice E describes the same idea as A. Choices C and D are incorrect operations.
- 15) **Choice D is correct.** (3.OA.A.4) Divide: $28 \div 4 = 7$. Check: $7 \times 4 = 28$.
- 16) **Choice A is correct.** (3.M.B.3) Part 1: $4 \times 3 = 12$ sq units. Part 2: $6 \times 2 = 12$ sq units. Total: $12 + 12 = 24$ sq units.
- 17) **Choice A is correct.** (3.M.B.5) Choice A: $2 \times 6 = 12$ ✓. Choice B: $3 \times 5 = 15$. Choice C: $4 \times 4 = 16$. Choice D: $2 \times 5 = 10$.
- 18) **The correct answer is 8.** (3.NF.A.2) Each unit from 0 to 1 has 4 fourths. From 0 to 2 is 2 units, so $2 \times 4 = 8$ fourths total.
- 19) **Choice A is correct.** (3.G.A.2) When numerator = denominator, you have all the parts of one whole. $\frac{4}{4}$ has 4 fourths, which makes 1 whole.
- 20) **Choice B is correct.** (3.M.B.3) Area must be measured in square units because it describes 2D space. Square feet, square inches, square meters, and square centimeters are all correct area units.
- 21) **Choice D is correct.** (3.OA.A.1) The array shows 3 columns with 4 squares in each column. This means $4 + 4 + 4 = 12$ or $3 \times 4 = 12$.
- 22) **Choice B is correct.** (3.M.A.1) The minute hand points to 52 (just before the 11), and the hour hand is between 4 and 5. The time is 4 : 52.
- 23) **Choice D is correct.** (3.OA.D.9) Multiples of 4 follow the pattern 4, 8, 12, 16, 20, increasing by 4 each time.
- 24) **Choice D is correct.** (3.OA.A.3) Divide: $42 \div 6 = 7$ kennel rooms needed.
- 25) **Choice D is correct.** (3.NBT.A.1) Numbers from 55 to 64 round to 60. The number 65 has ones $5 \geq 5$, so it rounds to 70, not 60.
- 26) **Choice C is correct.** (3.NF.A.3) $\frac{3}{4}$ and $\frac{6}{8}$ both show three-fourths of a whole.
- 27) **Choice A is correct.** (3.G.A.1) In a square, all 4 sides are the same length. So the green sides and blue sides are all equal to each other.
- 28) **Choice C is correct.** (3.OA.D.8) Step 1: Total money: $15 + 20 = 35$ dollars. Step 2: Subtract spent: $35 - 18 = 17$ dollars left.
- 29) **Choice C is correct.** (3.M.A.2) Add: $750 + 250 = 1000$ mL.
- 30) **The correct answer is $\frac{4}{6}$.** (3.NF.A.3) Multiply the numerator and denominator by 2: $\frac{2 \times 2}{3 \times 2} = \frac{4}{6}$.



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Hi, Math Pilot!

◇ 7 flights done in your math airplane. You have flown through smooth skies and bumpy clouds. You are a real pilot now. ◇

★ **Pilots know:** a good check before takeoff makes a smooth flight. Before each problem, do your check: read, plan, solve, verify. ★

Pilot Skills

- **Pre-Flight:** You read the question carefully.
- **Steering:** You pick the right strategy.
- **Smooth Flight:** You stay calm in long tests.
- **Landing:** You always check your final answer.

Pilot tip: on test day, take off one problem at a time. Trust your training. You earned your wings!

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

Jay Daie

Your Math Pilot

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PRACTICE TODAY. MASTER TOMORROW.

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

- ✓ 7 full-length practice tests
- ✓ Aligned to Grade 3 standards
- ✓ Build confidence and achieve success
- ✓ Review, answer keys, and explanations



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

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- ✓ Fractions & Decimals
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