

4 New Jersey NJSLA

GRADE
6
MATH

PRACTICE TESTS

Standards Aligned Problem Solving
For Comprehensive Assessment Programs

4

PRINTED
TESTS



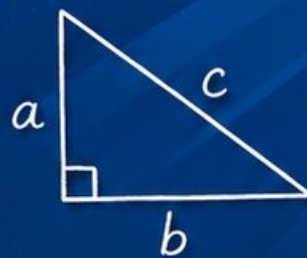
2

ONLINE
TESTS



- ✓ Build Confidence
- ✓ Master Key Math Skills
- ✓ Answer Explanations for Every Question
- ✓ Test-Taking Strategies That Work

$$2x + 5 = 21$$
$$x = 8$$



$$\frac{3}{4} + \frac{1}{2} = \frac{5}{4}$$



USE THESE TWO
**ADDITIONAL ONLINE
PRACTICE TESTS**

FOR EXTRA REVIEW AFTER
THE PRINTED TESTS
IN THIS BOOK.

4 New Jersey NJSLA Grade 6 Math Practice Tests

Standards-Aligned Shore-To-City Test Focus for New Jersey Student Learning Assessments



Four complete 40-question Grade 6 practice rounds for NJSLA, built for shore-to-city test focus with ratios, rational numbers, expressions, equations, geometry, statistics, answer keys, and clear explanations for every item.

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Welcome, New Jersey Math Explorer!

Four focused rounds using shore-to-city test focus

This book gives you four full Grade 6 practice tests for NJSLA. Each round uses shore routes, busy streets, and quick checks with neat work as a fresh mental backdrop while you read closely, choose a smart strategy, show your work, and check whether your answer makes sense.

Your New Jersey Practice Promise

Stay alert: read the labels, solve in a clean order, and make the answer fit the question.

Read

Plan

Check

How to Use This Book

A four-session routine for shore-to-city test focus

1. **Preview the skills.** Scan the quick review pages before beginning the first round.
2. **Mark confidence.** Put a small star beside problems where your plan felt strong.
3. **Work in order.** Take one 40-question test at a time in a quiet place.
4. **Plan the next round.** Use the growth log to choose one habit and one skill to practice.
5. **Correct actively.** Retry missed items before reading the full explanation.

New Jersey review rhythm: Take one round, review without rushing, and use the next test to sharpen weak skills.



What Is Inside?

Four NJSLA tests, 160 questions, and a full review path

Part	What You Will Practice
Tests 1–2	Foundation rounds for ratios, rational numbers, operations, and careful reading.
Tests 3–4	Skill-building and final stamina rounds with expressions, equations, geometry, data, and problem models.
Answer Pages	Compact keys and explanations that show why each answer works.

The tests are mixed on purpose. Shore-to-city test focus means recognizing the skill even when the next question changes topic, changes format, or asks for an explanation.



Scan me!
For more practice
& answers

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1) A model car is 8 cm long. The scale is 1 cm = 2 meters. How long is the actual car?

A. 8 meters

C. 20 meters

B. 10 meters

D. 16 meters

2) A store buys items for \$40 and sells them with a 50% markup. What is the selling price?

3) Which integer is the opposite of -9 ?

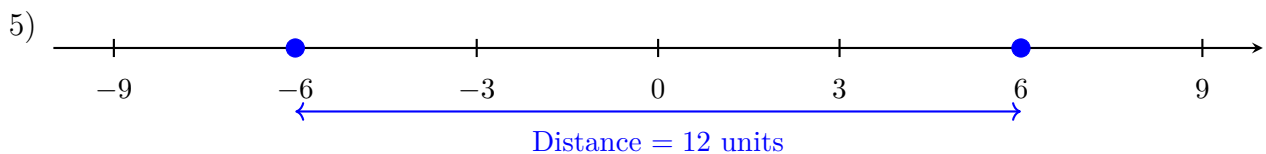
A. 0

C. -9

B. 18

D. 9

4) A train travels at 80 miles per hour for 2.5 hours. How far does the train travel?



On a number line, the distance between -6 and 6 is:

A. 0

C. 12

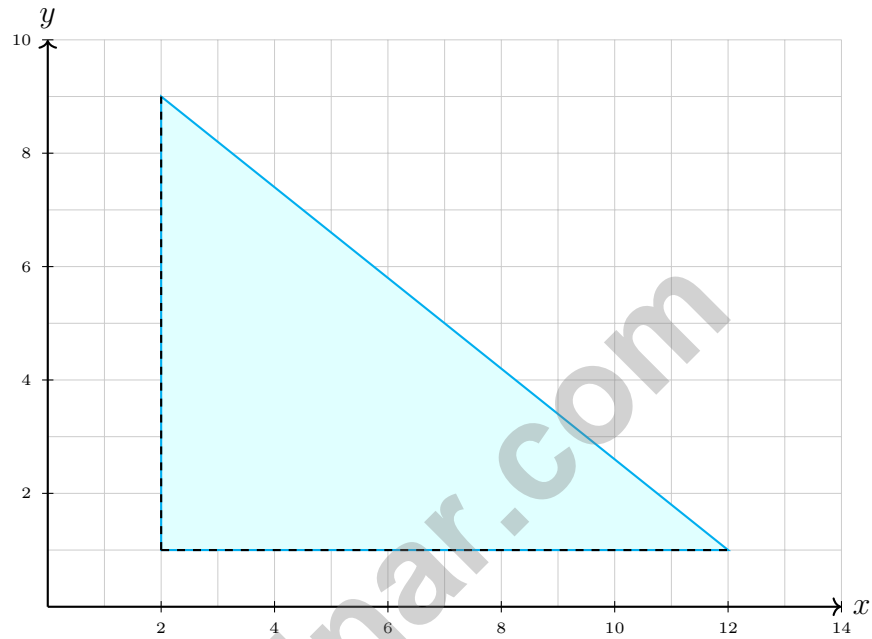
B. 6

D. -12



11) What is the length of a horizontal segment from $(2, 4)$ to $(8, 4)$?

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



12)

A right triangle has vertices at $(2, 1)$, $(12, 1)$, and $(2, 9)$. What is its area?

- A. 36 square units C. 42 square units
 B. 50 square units D. 40 square units

13) A cube net is arranged with faces labeled 1–6: four faces in a horizontal line (1-2-3-4), face 5 attached above face 2, and face 6 attached above face 3. If face 1 is the top of the cube when folded, which face is the bottom?

- A. Face 3 C. Face 5
 B. Face 4 D. Face 6



- 5) Create a stem-and-leaf plot from the data: 34, 38, 42, 45, 41, 39, 44. Which statement is true?
- A. Stem 3 has 2 leaves C. The minimum is 34
 B. Stem 4 has 3 leaves D. All of the above
- 6) A chemistry lab recorded 520 observations. The circle graph shows $\frac{5}{26}$ were anomalies. How many observations were anomalies?
- A. 80 C. 100
 B. 90 D. 110
- 7) A teacher uses a histogram to compare test scores. The histogram has intervals: 50–60 (freq 2), 60–70 (freq 5), 70–80 (freq 8), 80–90 (freq 4), 90–100 (freq 1). What percentage of students scored between 70 and 90?
- A. 48% C. 60%
 B. 52% D. 80%
- 8) Which of the following does NOT represent the ratio 2 : 3?
- A. $\frac{2}{3}$ C. 6 : 8
 B. 4 : 6 D. 10 : 15
- 9) A paint manufacturer creates batches in which the ratio of red to blue to yellow is always 2 : 3 : 4. If a batch contains 8 liters of red paint, what is the total volume of the entire batch?
- A. 18 L C. 36 L
 B. 24 L D. 48 L



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5) What is the prime factorization of 50?

- A. 2×25
 C. 5×10
 B. 2×5^2
 D. 50

6) A number line shows negative fractions. Point I is located at $-\frac{7}{10}$. Which statement is true?

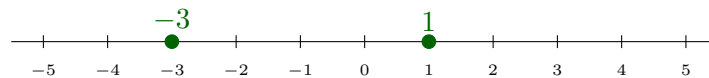
- A. Point I is to the right of $-\frac{3}{5}$
 D. Point I is at the same position as -0.6
 B. Point I is to the left of $-\frac{4}{5}$
 C. Point I is between $-\frac{3}{4}$ and $-\frac{2}{3}$

7) Which ordered pair has an x -coordinate of -5 and shares the same y -coordinate as the point $(2, 8)$?

- A. $(-5, 8)$
 C. $(-5, 2)$
 B. $(8, -5)$
 D. $(-5, -8)$

8) A person's annual income is \$36000. They save 12% of their income per year. How much do they save annually?

9)



Which two numbers are equally far from zero?

- A. -3 and 1
 C. -4 and 4
 B. 2 and 2
 D. -2 and 2



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& answers

New Jersey NJSLA Practice Test Answer Keys

How to use this New Jersey NJSLA answer section with a Grade 6 student:

1. check the answer first, then write one quick reason the choice is correct
2. mark questions to try again, especially the skills that feel connected to shore-to-city test focus
3. rework the problem before reading the full explanation, using this reminder:
Stay alert: read the labels, solve in a clean order, and make the answer fit the question.

A calm New Jersey correction routine turns every missed item into useful practice. Take one round, review without rushing, and use the next test to sharpen weak skills.



Scan me!
For more practice
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New Jersey Practice Test Answers and Explanations

Review the four printed NJSLA tests with alert, efficient, and ready for the next route habits.

Practice Test 1 Answers and Explanations

- 1) **Choice D is correct.** (6.RP.A.3) Use the scale: $8 \text{ cm} \times 2 \text{ m/cm} = 16 \text{ m}$.
- 2) **The correct answer is 60.** (6.RP.A.3) Markup is 50% of $\$40 = 0.50 \times 40 = \20 . Selling price is $\$40 + \$20 = \$60$.
- 3) **Choice D is correct.** (6.NS.C.5) The opposite of a number is the same distance from zero but on the other side. The opposite of -9 is 9 .
- 4) **The correct answer is 200.** (6.RP.A.3) Distance = Rate \times Time = $80 \times 2.5 = 200$ miles.
- 5) **Choice C is correct.** (6.SP.B.4) From -6 to 6 is $6 - (-6) = 6 + 6 = 12$ units apart.
- 6) **Choice C is correct.** (6.SP.B.4) From 0 to 1 divided into quarters, the third quarter mark is at $\frac{3}{4}$.
- 7) **Choice C is correct.** (6.NS.C.8) Quadrant III contains points where both coordinates are negative. The point $(-4, -2)$ has negative x and negative y , so it is in Quadrant III.
- 8) **The correct answer is 60.** (6.RP.A.3) Multiply by the conversion factor: $5 \text{ feet} \times 12 \text{ inches/foot} = 60 \text{ inches}$.
- 9) **Choice D is correct.** (6.NS.C.7) A is true ($-9 < -5$). B is true ($-2.5 > -3.5$). C is true ($-0.5 < 0.5$). D is false: $-7 < -3$, not greater.
- 10) **Choice B is correct.** (6.G.A.1) Using $50 = \frac{1}{2}(13 + 7) \times h = 10h$, so $h = 5$ ft.
- 11) **Choice D is correct.** (6.G.A.3) For a horizontal segment, subtract the x -coordinates: $8 - 2 = 6$ units.
- 12) **Choice D is correct.** (6.G.A.1) Base: $12 - 2 = 10$ units. Height: $9 - 1 = 8$ units. Area = $\frac{1}{2} \times 10 \times 8 = 40$ square units.
- 13) **Choice B is correct.** (6.G.A.4) In a 1-2-3-4 horizontal line with extensions above 2 and 3, face 1 is at one end. When folded, face 4 (at the opposite end) becomes the bottom of the cube. Faces 5 and 6 (the extensions) become side faces.
- 14) **Choice A is correct.** (6.NS.C.8) Translate: $(5, 4) \rightarrow (5 - 2, 4 + 1) = (3, 5)$.
- 15) **Choice A is correct.** (6.EE.A.3) "The quotient of u and 3" is $\frac{u}{3}$. "The difference of 11 and" that quotient means $11 - \frac{u}{3}$.
- 16) **Choice B is correct.** (6.EE.A.3) Check each: A: $3(x + 2) = 3x + 6 \neq 3x + 2$. B: $5(2y - 1) = 10y - 5$. ✓ C: $4x - 4x + 2 = 2 \neq 2x$. D: $2(3a + b) = 6a + 2b \neq 6a + b$.
- 17) **Choice C is correct.** (6.EE.B.5) Add 7 to both sides: $x = 13 + 7 = 20$.
- 18) **Choice D is correct.** (6.EE.B.8) "At least 18" means "greater than or equal to 18," so the inequality is $d \geq 18$.
- 19) **Choice D is correct.** (6.G.A.2) The correct volume is $V = 2.5 \times 3 \times 4 = 7.5 \times 4 = 30 \text{ m}^3$. The student forgot to multiply by the height.
- 20) **The correct answer is The constant of proportionality is 4, and the cost per unit is \$4.** (6.RP.A.3) A is correct because $k = \frac{8}{2} = 4$. B is correct because the cost per unit is \$4. The equation is $y = 4x$, so Choice C is false; Choice D is false because the graph passes through $(0, 0)$; Choice E gives the wrong unit rate.
- 21) **Choice D is correct.** (6.EE.C.9) Ratios: $25/5 = 5$ and $40/8 = 5$ dollars per pound. The constant ratio confirms a proportional relationship with equation $c = 5p$. The line passes through the origin.
- 22) **Choice C is correct.** (6.EE.C.9) Shortfall: 15% of $\$20000 = 0.15 \times 20000 = \3000 .
- 23) **Choice A is correct.** (6.NS.A.1) The correct approach: flip $\frac{1}{4}$ to get $\frac{4}{1}$, then multiply $\frac{2}{3} \times \frac{4}{1} = \frac{8}{3} = 2\frac{2}{3}$. The student multiplied by $\frac{1}{4}$ without inverting it.
- 24) **The correct answer is 1300.** (6.SP.B.4) Net worth = Assets - Debts = $\$1500 - \$200 = \$1300$.
- 25) **Choice A is correct.** (6.NS.B.2) $2,856 \div 12 = 238$. The long division shows quotient 238 with no remainder.



Hi, Hero!

◇ Once there was a Grade 6 student who took 4 practice tests. At first, the math was tricky. But this student kept showing up, kept trying, and kept learning. By the end, the student became a math hero. That hero is you! ◇

★ **Storytellers know:** every story has a hard middle. The hard middle is where heroes grow. You lived your hard middle. Your story ends with confidence! ★

Your Hero Toolkit

- **Brave Heart:** You try hard problems.
- **Sharp Mind:** You think carefully before you act.
- **Steady Hand:** You write neatly and check.
- **Kind Spirit:** You are patient with yourself.

Storyteller tip: on test day, remember the hero you became. The chapters before today made you stronger. Now write your best chapter!

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

Jay Daie

Your Math Storyteller

PRACTICE TODAY. SUCCEED TOMORROW!

This book includes 4 full-length Math practice tests and 2 online tests to help Grade 6 students build confidence, strengthen skills, and excel on standardized assessments.

Each practice test is carefully crafted to reflect the latest standards and includes a variety of question types, realistic test conditions, and detailed answer explanations.

Perfect for classroom use, homework, test preparation, and extra practice at home.

THIS BOOK INCLUDES:

4 Full-Length Printed Tests

2 Online Practice Tests

 Detailed Answer Explanations

 **MORE PRACTICE.
GREATER RESULTS.**

Give your child the tools to build strong math skills, confidence, and a positive attitude toward learning.

WHAT YOU'LL GAIN



Stronger Math Skills

Build a solid foundation through targeted practice and review.



Better Problem Solving

Develop logical thinking and effective solution strategies.



Deeper Understanding

Reinforce key concepts with clear explanations and meaningful practice.



Test Confidence

Familiarize with test formats and improve accuracy and speed.



Achieve Success

Build confidence and perform your best on test day.

TOPICS COVERED

- ✓ Ratios & Rates
- ✓ The Number System
- ✓ Expressions & Equations
- ✓ Geometry
- ✓ Fractions & Decimals
- ✓ Percents
- ✓ Statistics & Probability
- ✓ Data Analysis
- ✓ Measurement & Conversions
- ✓ And More!



2 ONLINE TESTS

Use these two additional online practice tests for extra review after the printed tests in this book.



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AND LEARNING RESOURCES



PRACTICE
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