

4

COMPLETE

New Jersey NJSLA

Grade

MATH

5

PRACTICE TESTS

Standards-Based Test Prep with
Mixed Review, Word Problems,
and **Full Answer Key**



- ✓ **4 COMPLETE PRACTICE TESTS**
Built to reflect the test format and rigor



- ✓ **COVERS ALL ESSENTIAL TOPICS**
Numbers & Operations, Fractions, Decimals, Geometry, Measurement, Data & Probability, and more



- ✓ **STRENGTHEN SKILLS & CONFIDENCE**
Mixed review, challenging questions, and strategic practice



- ✓ **FULL ANSWER KEY INCLUDED**
Detailed explanations for every question



**BUILD STRONG
MATH SKILLS
& TEST READINESS**



**IMPROVE ACCURACY,
SPEED, AND
PROBLEM SOLVING**



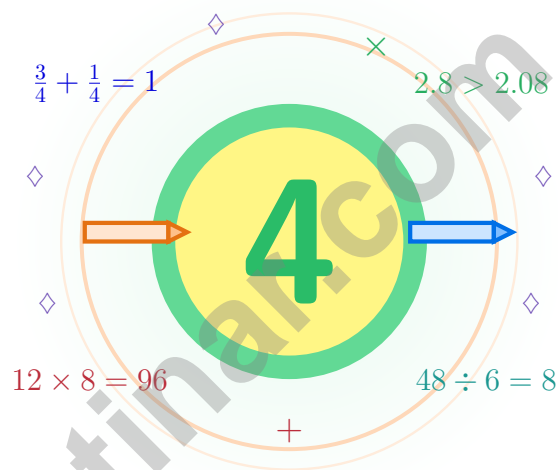
**PERFECT FOR
CLASSROOM,
HOME, OR
SELF-STUDY**



**ALIGNED TO
NEW JERSEY
STATE STANDARDS
(NJSLA)**

4 New Jersey NJSLA Grade 5 Math Practice Tests

Four full tests, four lessons, one stronger mathematician



Four full tests, a smart quick review, mission-style strategy pages, and student-tested support that help Grade 5 mathematicians from The Garden State build calm, careful, confident habits.

Jay Daie and Reza Nazari



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Welcome to the Math Mission, New Jersey

Four chances to read carefully, solve smartly, and grow stronger

Mission Briefing for Grade 5 Math Crew of New Jersey

This book gives you four chances to read closely, solve carefully, and level up your math thinking. Math practice grows like a Jersey garden – a little water, a little sun, and steady tending make everything thrive.

You do not need to feel perfect before you begin. You just need to stay curious, use strategies, and learn from every correction. That is how confident mathematicians are built.

Look

Look at the problem like a careful detective.

Test

Test your idea one careful step at a time.

Repair

Repair what was off and try the next one.

A strong mission habit for New Jersey: keep your work neat, estimate when it helps, label units carefully, and never let one hard question decide your mood for the whole page.

How to Use This Book

A four-step routine that turns practice into real improvement

Step 1: Read

Read the quick review pages first.
Wake up the big Grade 5 ideas before the test starts so your brain is already warmed up.

Step 2: Try

Try one full test with full attention.
Find a calm corner, settle in, and aim for careful, honest choices before quick ones.

Step 3: Reflect

Reflect on which skills want more sunlight.
Circle missed questions, sort out what went sideways, and notice which skills are calling for attention.

Step 4: Lift

Lift those skills before the next test.
Read the explanation, fix the work, and carry that lesson into the very next test.

A Four-Week New Jersey Mission Map

Week	Mission Focus
Week 1	Take Test 1 and tend your first row of math.
Week 2	Take Test 2 and lift word problems and clear writing.
Week 3	Take Test 3 to polish fractions, decimals, and conversions.
Week 4	Take Test 4 with calm, careful, garden-steady focus.



Scan me

Test Overview

What these four practice tests help Grade 5 students build

These three practice tests prepare Grade 5 students in the Garden State for the New Jersey NJSLA with the easy rhythm of a boardwalk morning. The goal is bigger than collecting right answers. Students are practicing how to read carefully, choose a strategy, solve step by step, and explain their reasoning clearly – the same way mathematicians do every day.

Selected-Response Questions

Students solve the problem and choose the best answer. Estimating first, crossing out weak choices, and checking for reasonableness can save time and points.

Constructed-Response Questions

Students show steps, explain a method, or support an answer with clear math. Strong reasoning matters because it shows how the answer was found.

Grade 5 Ideas That Show Up Again and Again

- place value, comparing numbers, and rounding
- multi-digit addition, subtraction, multiplication, and division
- fractions, mixed numbers, and decimals
- perimeter, area, volume, and measurement conversions
- tables, line plots, patterns, and coordinate points
- geometry and multi-step real-world problem solving

What strong NJSLA-style work looks like: accurate math, readable steps, the right labels or units, and a final answer that really matches the question being asked.



Table of Contents

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Grade 5 Mathematics Reference Materials

PERIMETER AND AREA

Perimeter of Rectangle $P = 2l + 2w$ or $P = 2(l + w)$

Area of Rectangle $A = l \times w$

Area of Triangle $A = \frac{1}{2} \times b \times h$

Volume of Rectangular Prism $V = l \times w \times h$

LENGTH

Customary

1 foot (ft) = 12 inches (in.)

1 yard (yd) = 3 feet (ft)

1 yard (yd) = 36 inches (in.)

Metric

1 meter (m) = 100 centimeters (cm)

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CAPACITY

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1 cup (c) = 8 fluid ounces (fl oz)

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5) Which fraction is equivalent to the decimal 0.75?

- A. $\frac{75}{10}$
 B. $\frac{75}{1000}$

- C. $\frac{7}{5}$
 D. $\frac{75}{100}$

6) Convert: 0.6 m = ? cm.

Record your answer in the space provided.

7) Pattern: 3, 6, 12, 24, ... What's next?

- A. 30
 B. 72

- C. 36
 D. 48

8) What is $23 \times 10 \times 10$?

- A. 230
 B. 460

- C. 23000
 D. 2300

9) Starting with term 1 equal to 0, Pattern A adds 1 each time and Pattern B adds 4 each time. What is B divided by A at term 5?

- A. 2
 B. 3

- C. 4
 D. 5

10) Compare the roundings: 4.251 and 4.259 to the nearest hundredth.

- A. Both round to 4.25
 B. Both round to 4.26

- C. 4.251 \rightarrow 4.25 and 4.259 \rightarrow 4.26
 D. 4.251 \rightarrow 4.26 and 4.259 \rightarrow 4.25



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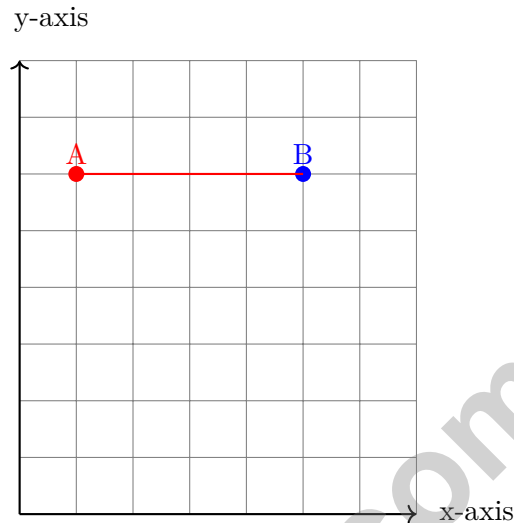
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- 1) On a coordinate grid, point A is at (1, 6) and point B is at (5, 6). The two points are on the same:



- A. x-axis
- B. y-axis
- C. Horizontal line
- D. Vertical line
- 2) Money problem: A toy costs \$0.75. If you buy 100 of them, what is the total cost?
- A. \$7.50
- B. \$750
- C. \$7500
- D. \$75
- 3) A step-shaped solid is decomposed into three non-overlapping rectangular prisms. The prisms measure 10 feet by 5 feet by 3 feet, 8 feet by 4 feet by 3 feet, and 7 feet by 4 feet by 3 feet. What is the total volume?
- A. 246 cubic feet
- B. 330 cubic feet
- C. 180 cubic feet
- D. 234 cubic feet



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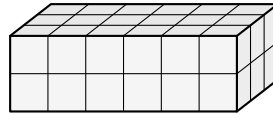
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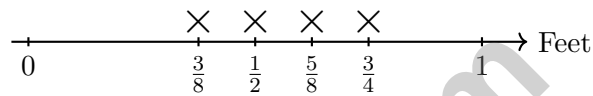


- 1) What are the dimensions of a rectangular prism that contains exactly 36 unit cubes?



- A. $2 \times 2 \times 8$ C. $3 \times 4 \times 2$
 B. $2 \times 3 \times 6$ D. $3 \times 3 \times 5$

- 2) The line plot shows ribbon lengths, in feet. What is the total length?



Record your answer in the space provided.

- 3) Without calculating both products, which expression has the larger value?

A: $\frac{2}{3} \times 24$ B: $\frac{4}{5} \times 24$

Record A or B in the space provided.



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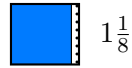
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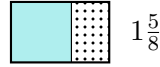
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$1\frac{1}{8}$



$1\frac{5}{8}$

1)

Add: $1\frac{1}{8} + 1\frac{5}{8}$

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

C. 3

B. $2\frac{3}{4}$

D. $3\frac{3}{8}$

2) A rectangular brick has volume 210 in^3 , length 14 in, and height 5 in. What is the width?

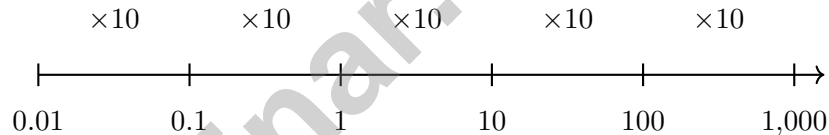
A. 2 in

C. 4 in

B. 3 in

D. 5 in

3) Use the place-value path. Each step to the right means multiply by 10.



What is 0.01×10^3 ?

A. 0.001

C. 10

B. 1

D. 100

4) What is $35 \div 1,000$?

A. 0.35

C. 3,500

B. 0.035

D. 0.0035



Practice Test Answer Keys

How to use this section:

1. check your answer
2. circle missed questions
3. rework them before reading the explanation

Good correction habits build strong scores.

Testinar.com



Practice Test Answers and Explanations

Practice Test 1 Answers and Explanations

- 1) **Choice C is correct.** **(5.M.B.4)** Multiply: $1,200 \times 12 = 14,400$ dollars annually.
- 2) **Choice B is correct.** **(5.NF.A.1)** $\text{LCM}(2,3,6) = 6$. $\frac{1}{2} = \frac{3}{6}$, $\frac{1}{3} = \frac{2}{6}$, $\frac{1}{6} = \frac{1}{6}$. $\frac{3}{6} + \frac{2}{6} + \frac{1}{6} = \frac{6}{6} = 1$.
- 3) **Choice A is correct.** **(5.NF.B.6)** The overlap covers 2 of the 10 equal cells. Since $\frac{2}{10} = \frac{1}{5}$, the product is $\frac{1}{5}$.
- 4) **Choice D is correct.** **(5.M.A.1)** One route is 3,250 meters. Two routes are $3,250 \times 2 = 6,500$ meters.
- 5) **Choice D is correct.** **(5.NBT.A.3)** 0.75 has two decimal places, representing hundredths: $0.75 = \frac{75}{100}$.
- 6) **The correct answer is 60.** **(5.M.A.1)** $0.6 \times 100 = 60$ cm. Multiplying by 100 changes meters into centimeters.
- 7) **Choice D is correct.** **(5.OA.B.3)** Each term is twice the term before it: 3 becomes 6, 6 becomes 12, and 12 becomes 24. Keep that same rule, so $24 \times 2 = 48$.
- 8) **Choice D is correct.** **(5.NBT.A.2)** $23 \times 10 = 230$, then $230 \times 10 = 2300$. Or $23 \times 10^2 = 2300$.
- 9) **Choice C is correct.** **(5.G.A.2)** Since term 1 is 0, term 5 has $A = 4$ and $B = 16$. Then $16 \div 4 = 4$.
- 10) **Choice C is correct.** **(5.NBT.A.4)** For 4.251: thousandths=1 < 5, keep hundredths $5 \rightarrow 4.25$. For 4.259: thousandths=9 ≥ 5 , round hundredths 5 up to 6 $\rightarrow 4.26$.
- 11) **Choice D is correct.** **(5.G.A.2)** Pairs are (2,1), (4,3), (6,5), (8,7). The third pair is (6, 5).
- 12) **Choice C is correct.** **(5.M.B.4)** Use the rectangular-prism volume formula: $8 \times 5 \times 5 = 200$. So the volume is 200 cubic feet.
- 13) **Choice D is correct.** **(5.M.B.3)** Volume = $9 \times 5 \times 4 = 45 \times 4 = 180 \text{ m}^3$.
- 14) **The correct answer is 8.2.** **(5.NBT.A.2)** Move the decimal point two places right: $0.082 \rightarrow 8.2$.
- 15) **The correct answer is 45.** **(5.NBT.B.6)** $21 \times 40 = 840$, leaving 105. $105 \div 21 = 5$. Quotient: $40 + 5 = 45$.
- 16) **Choice C is correct.** **(5.NBT.A.2)** Dividing by $10^3 = 1000$ shifts the decimal 3 places left.
- 17) **Choice A is correct.** **(5.M.B.3)** There are 2 equal layers and 40 unit cubes in all. Since $40 \div 2 = 20$, the base area is 20 square units.
- 18) **Choice D is correct.** **(5.M.B.2)** Prism A: $3 \times 4 \times 5 = 60$ cu. in. Prism B: $3 \times 4 \times 3 = 36$ cu. in. Difference: $60 - 36 = 24$ cu. in.
- 19) **Choices C, D are correct.** **(5.G.B.4)** A nested Venn diagram means the inside category is also part of the outside category, but the outside category can include more figures.
- 20) **Choice A is correct.** **(5.NBT.B.7)** $10.00 - 3.75 = 6.25$ kg. Annex zeros to 10.
- 21) **The correct answer is 84 cubic feet.** **(5.M.B.2)** Subtract the known part from the total: $210 - 126 = 84$ cubic feet. That is the missing part's volume.
- 22) **Choice A is correct.** **(5.G.B.4)** An equilateral triangle is classified by its side lengths: all three sides are equal.
- 23) **Choice C is correct.** **(5.NF.A.2)** $\frac{2}{9} + \frac{4}{9} = \frac{6}{9} = \frac{2}{3}$ of the wall is painted.
- 24) **Choice C is correct.** **(5.NF.A.1)** Add: $2\frac{1}{3} + 3\frac{2}{3} = 5\frac{3}{3} = 6$ ft.
- 25) **Choice B is correct.** **(5.NF.B.6)** $2\frac{3}{4} \times 6 = \frac{11}{4} \times 6 = \frac{66}{4} = 16\frac{1}{2}$ miles.
- 26) **Choice C is correct.** **(5.G.B.3)** By definition, a rhombus has all four sides of equal length.
- 27) **Choice C is correct.** **(5.OA.A.1)** The parentheses make $7 - 2 = 5$. Then multiply before adding: $3 \times 5 = 15$, so the expression becomes $15 + 15 = 30$.
- 28) **The correct answer is $5 \div \frac{1}{4} = n$.** **(5.NF.B.6)** The total is 5 cups and each serving is one fourth cup, so divide total by serving size.
- 29) **Choice D is correct.** **(5.G.A.2)** The first coordinate, 8, matches the x-axis label: laps completed. The second coordinate, 16, matches the y-axis label: minutes elapsed. So the point means minutes elapsed is 16 when laps completed is 8.
- 30) **Choice A is correct.** **(5.G.A.1)** If the x-coordinate is 0, the point lies on the vertical line, the y-axis. This includes the origin and other points on the y-axis.
- 31) **Choice C is correct.** **(5.NBT.B.7)** $1.75 \times 4 = 7$. Multiply: $175 \times 4 = 700$, then place decimal two places from right: $7.00 = 7$ liters.



Authors' Notes

From a Friend Who Believes in You

Hi, Brilliant Friend!

◇ I have to tell you something important: I am proud of you. You completed 4 full practice tests. That takes time, focus, and heart. Many students never push themselves like that. You did. That tells me everything about your work ethic. ◇

★ **Here's a friendly reminder:** a test does not measure your worth. It measures one slice of your skills on one day. You are much more than a score. The work you put in to grow—that is the real win. ★

Things I Want You to Remember

- **You are capable.** Every test you finished proves it.
- **You are resilient.** You worked through hard problems.
- **You are growing.** Every mistake taught you something new.
- **You are ready.** The skills are inside you.

One last thing: when you sit down on test day, take a deep breath, smile a tiny smile, and remember that someone (me!) believes in you. You've got this.

If you'd like to share your experience or have questions, please email me at reza@testinar.com. I'd love to hear from you!

Reza Nazari & Jay Daie

Your Math Friend (Always in Your Corner)

4 COMPLETE TESTS. CONFIDENCE. SUCCESS.



Give your child the practice and confidence they need to excel in **Grade 5 Math**. This book includes **4 full-length** practice tests designed to build skills, improve test readiness, and help students reach their full potential.

WHAT'S INSIDE:



4 COMPLETE PRACTICE TESTS

Full-length tests that reflect real test format and rigor.



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Practice consistently, reduce test anxiety, and achieve your best score!



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