

$\frac{2}{3}$

FULL-LENGTH

$\frac{2}{4}$

New Jersey

$7 \times 8 =$

$0,25$



Aligned to State Standards

NJSLA

7×8

MATH

$56 \div 7$

Grade

5

$(a+b)^2$

PRACTICE TESTS

Complete State Standards Review
with Answer Key and
Essential Math Skills Practice



3 Full-Length Practice Tests
Aligned to State Standards



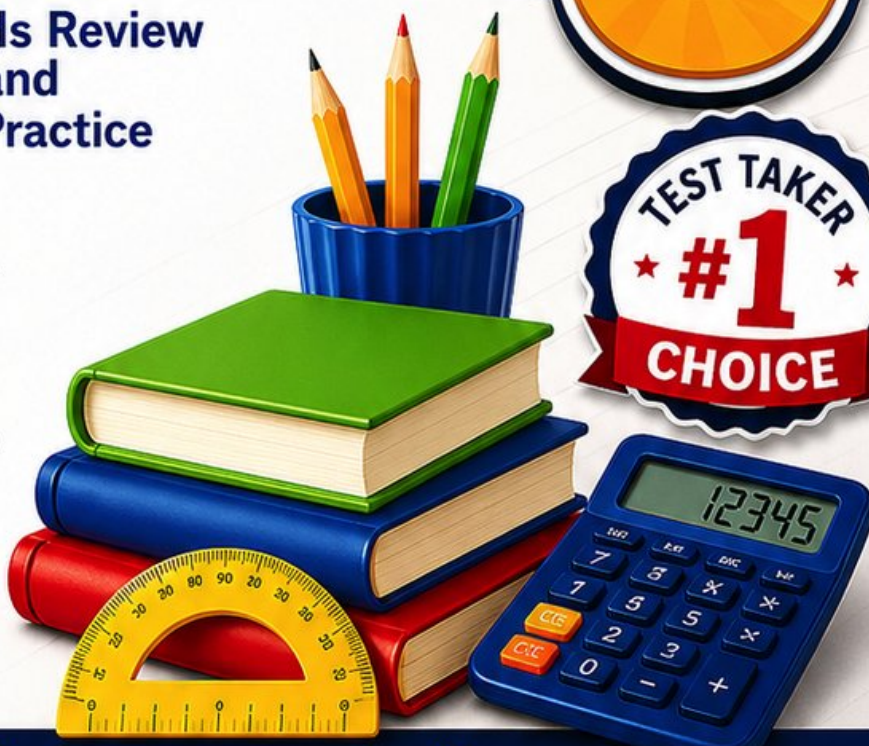
Covers All Grade 5 Math Topics
Numbers & Operations, Fractions,
Decimals, Geometry, Measurement,
Data & Problem Solving



Build Confidence
Strengthen Skills • Improve Accuracy
• Boost Test Readiness



Detailed Answer Key
Step-by-Step Explanations
for All Questions



WRITTEN FOR
GRADE 5 STUDENTS



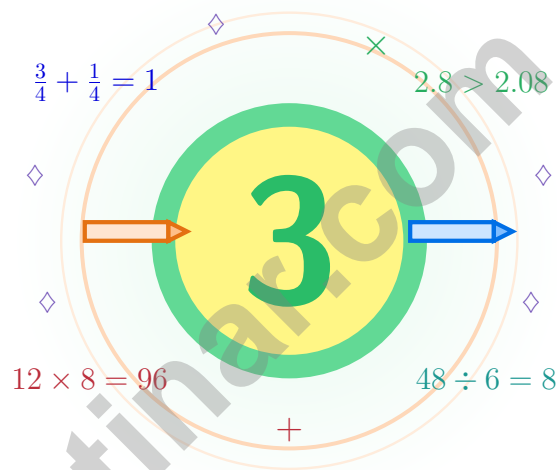
PERFECT FOR
TEST PREP & REVIEW



CLASSROOM, HOME,
OR SELF-STUDY USE

3 New Jersey NJSLA Grade 5 Math Practice Tests

Garden-state math for thinkers who grow steady



Three full tests, a friendly quick review, smart strategy pages, and student-tested support that help Grade 5 mathematicians from The Garden State walk in ready to think.

Jay Daie and Reza Nazari



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New Jersey Mathematicians, Step Up

Garden-state math for thinkers who grow steady

To Every Math Brain in New Jersey

Math practice grows like a Jersey garden – a little water, a little sun, and steady tending make everything thrive.

Some questions will feel easy from the very first read. Others will ask you to pause, sketch, estimate, or try again. That is not a problem. That is practice doing exactly what it should do. Every honest attempt grows your math brain a little stronger.

Notice

Look closely at what the problem says, shows, and asks.

Try

Pick a plan and step through it carefully.

Grow

Use every correction as a clue for what to master next.

A New Jersey promise to yourself: I will tend to each step the way a careful gardener tends a row – patient, kind, and focused.

Use This Book Like a Coach

A simple game plan that turns practice into real progress

Step 1: Preview

Begin with the quick review.

Wake up the big Grade 5 ideas before the test starts so your brain is already warmed up.

Step 2: Practice

Take one full practice test.

Find a calm corner, settle in, and aim for careful, honest choices before quick ones.

Step 3: Reflect

Check your work honestly.

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

Step 4: Level Up

Repair and retry.

Read the explanation, fix the work, and carry that lesson forward into the next test.

Your 3-Week Sharpening Plan

Week 1	Take Test 1 to learn your starting strengths – not just your starting score.
Week 2	Take Test 2 and give extra attention to the spots where reading carefully or showing work can lift your score.
Week 3	Take Test 3 and bring everything forward: calm focus, smart checking, stronger habits.



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Test-Style Practice

What these 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 getting answers right. Students are practicing how to read with care, choose a strategy, solve step by step, and explain their reasoning clearly – the same way mathematicians do every single day.

Selected-Response Questions

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

Constructed-Response Questions

Students show their steps, explain a method, or back up an answer with clear math. Clean reasoning matters because it shows how the answer was actually 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
- line plots, tables, numerical patterns, and coordinate points
- geometry and multi-step real-world problems

What strong work looks like on the NJSLA: the math is correct, the steps are readable, the labels and units match the problem, and the final answer truly answers the question being asked.



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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)

1 centimeter (cm) = 10 millimeters (mm)

1 kilometer (km) = 1,000 meters (m)

CAPACITY

Customary

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

1 pint (pt) = 2 cups (c)

1 quart (qt) = 2 pints (pt)

1 gallon (gal) = 4 quarts (qt)

Metric

1 liter (L) = 1,000 milliliters (mL)

WEIGHT AND MASS

Customary

1 pound (lb) = 16 ounces (oz)

Metric

1 kilogram (kg) = 1,000 grams (g)

1 gram (g) = 1,000 milligrams (mg)

TIME

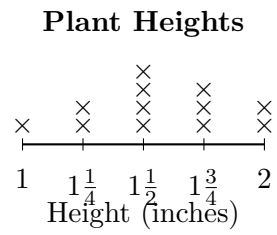
1 minute (min) = 60 seconds (sec) 1 week = 7 days

1 hour (hr) = 60 minutes (min) 1 year = 12 months

1 day = 24 hours (hr) 1 year = 52 weeks



1) The line plot shows plant heights (in inches):



How many plants were exactly $1\frac{1}{2}$ inches tall?

A. 3

C. 5

B. 4

D. 6

2) A ribbon is $7\frac{1}{2}$ meters long. Emma cuts off $3\frac{1}{2}$ meters. How much ribbon is left?

A. $3\frac{1}{2}$ m

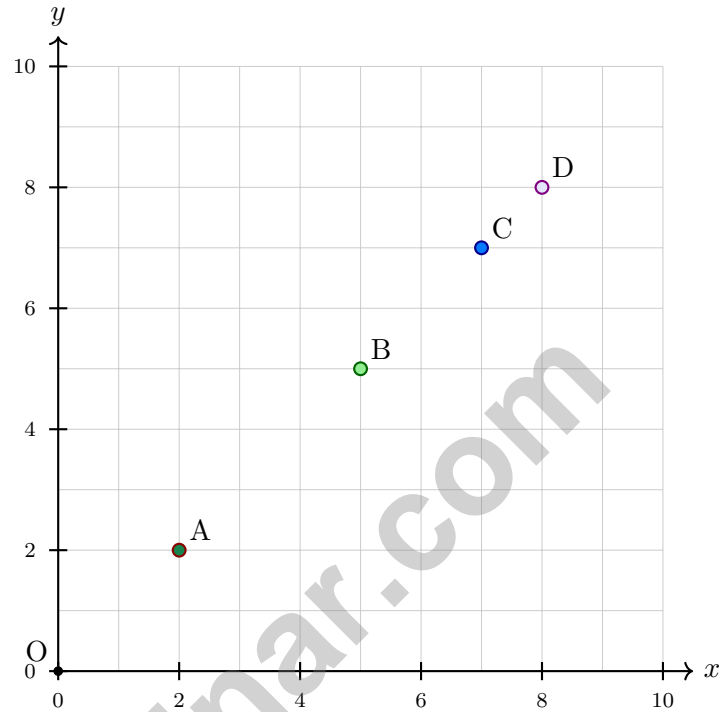
C. $4\frac{1}{2}$ m

B. 4 m

D. 5 m



- 3) Plot these points and answer: using horizontal and vertical grid steps, which point is closest to the origin? Point A: (2, 2), Point B: (5, 5), Point C: (7, 7), Point D: (8, 8).



- A. Point A
- B. Point B
- C. Point C
- D. Point D
- 4) How many ounces are in 45 pounds?
- A. 360 ounces
- B. 540 ounces
- C. 720 ounces
- D. 900 ounces
- 5) Solve: $\underline{\hspace{1cm}} \times 1000 = 54000$
- A. 5400
- B. 540
- C. 540000
- D. 54



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1) What is 45×7 ?

A. 305

C. 325

B. 315

D. 350

2) Use a place-value chart for 20.394 and round to nearest hundredth.

Tens	Ones	Tenths	Hundredths	Thousandths
2	0	3	9	4

What is the result?

A. 20.39

C. 20.40

B. 20.394

D. 20.30

3) Divide: $18.9 \div 3$. Which shows the correct steps?

Option	Steps
A	Divide $189 \div 3 = 63$, place decimal to get 6.3
B	Divide $189 \div 3 = 63$, place decimal to get 63.0
C	Divide $18 \div 3 = 6$ and ignore the 0.9
D	Divide $189 \div 3 = 63$, place decimal to get 63

A. Option A

C. Option C

B. Option B

D. Option D

4) For the points (1, 2), (2, 4), (3, 6), each Y value is how many times X?

Record your answer in the space provided.



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.

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Practice Test Answers and Explanations

Practice Test 1 Answers and Explanations

- 1) **Choice B is correct.** **(5.DL.B.5)** Count the X marks above $1\frac{1}{2}$ inches. There are 4 X marks, so 4 plants were exactly $1\frac{1}{2}$ inches tall.
- 2) **Choice B is correct.** **(5.NF.A.1)** $7\frac{1}{2} - 3\frac{1}{2} = (7 - 3) + (\frac{1}{2} - \frac{1}{2}) = 4 + 0 = 4$ m.
- 3) **Choice A is correct.** **(5.G.A.2)** Using horizontal and vertical grid steps, add the right steps and up steps. Point A needs $2 + 2 = 4$ steps from the origin, while the other points need more steps.
- 4) **Choice C is correct.** **(5.M.A.1)** Each pound has 16 ounces. $45 \times 16 = 720$, so 45 pounds equals 720 ounces.
- 5) **Choice D is correct.** **(5.NBT.A.2)** To find the missing factor: $54000 \div 1000 = 54$.
- 6) **Choice D is correct.** **(5.DL.B.5)** At 80: 3 marks, At 90: 3 marks, At 100: 2 marks. Total: $3 + 3 + 2 = 8$ students scored 80 or higher.
- 7) **Choice A is correct.** **(5.NBT.B.7)** $2.50 - 1.08 = 1.42$ liters. Annex zero to 2.5.
- 8) **The correct answer is $1\frac{1}{4}$.** **(5.NF.A.2)** $\frac{3}{4} + \frac{1}{2} = \frac{3}{4} + \frac{2}{4} = \frac{5}{4} = 1\frac{1}{4}$.
- 9) **Choice C is correct.** **(5.NBT.A.2)** $4.5 \times 100 = 450$ (move decimal 2 places right).
- 10) **Choice A is correct.** **(5.NF.A.1)** LCM(6,4) = 12. $\frac{1}{6} = \frac{2}{12}$ and $\frac{1}{4} = \frac{3}{12}$. $\frac{2}{12} + \frac{3}{12} = \frac{5}{12}$.
- 11) **Choice A is correct.** **(5.NF.B.6)** $\frac{1}{3} \times \frac{5}{6} = \frac{5}{18}$ hour.
- 12) **The correct answer is $6\frac{1}{6}$.** **(5.NF.A.1)** $4 + 1 = 5$. $\frac{5}{6} + \frac{2}{6} = \frac{7}{6} = 1\frac{1}{6}$. Total: $5 + 1\frac{1}{6} = 6\frac{1}{6}$.
- 13) **Choice D is correct.** **(5.NBT.A.3)** $\frac{7}{10} = 0.7$ (tenths) and $\frac{1}{100} = 0.01$ (hundredths), so $4 + 0.7 + 0.01 = 4.71$.
- 14) **Choice C is correct.** **(5.NBT.A.2)** The nonzero part 4×25 makes 100, which has two zeros. The factor 400 adds two more zeros, so the product has 4 zeros.
- 15) **Choice B is correct.** **(5.NBT.B.7)** $2.53 > 2.35$ because in the tenths place, 5 tenths $>$ 3 tenths. Week 2 had more rainfall.
- 16) **Choice B is correct.** **(5.NBT.A.2)** Dividing 0.85 meter into 10 equal pieces gives $0.85 \div 10 = 0.085$ meter for each piece.
- 17) **The correct answer is equilateral.** **(5.G.B.4)** The side lengths are 5 cm, 5 cm, and 5 cm, so all 3 sides are equal. The triangle is equilateral.
- 18) **Choice D is correct.** **(5.NF.B.7)** $7 \div \frac{1}{2} = 7 \times 2 = 14$. We need 14 bottles.
- 19) **Choices A, B are correct.** **(5.M.B.3)** Volume is found by multiplying the dimensions, so $3 \times 2 \times 4 = 24$. Choices C and D add or misread the dimensions instead.
- 20) **Choice B is correct.** **(5.NF.B.5)** $35 \times \frac{3}{7} = 15$ km. Since $\frac{3}{7} < 1$, the shortcut is much shorter than the original road.
- 21) **Choice D is correct.** **(5.G.A.2)** The points are (2, 2), (4, 4), (6, 6), and (8, 8). The fourth point is (8, 8).
- 22) **Choice A is correct.** **(5.M.B.2)** Find each part first: Prism A is $8 \times 2 \times 5 = 80$ cubic centimeters, and Prism B is $3 \times 3 \times 3 = 27$ cubic centimeters. Because the parts do not overlap, add them: $80 + 27 = 107$ cubic centimeters.
- 23) **The correct answer is hexagon.** **(5.G.B.3)** A hexagon has 6 sides. Because all sides and angles are equal, regular hexagon is a more specific name, but hexagon is also correct.
- 24) **Choice B is correct.** **(5.M.B.3)** $5 \times 4 \times 9 = 20 \times 9 = 180$ cm³.
- 25) **Choice A is correct.** **(5.NBT.A.1)** In 1.254, the hundredths digit is 5, so the missing term is 0.05 (or $\frac{5}{100}$).
- 26) **Choice B is correct.** **(5.NBT.B.5)** The model splits 43 into $40 + 3$ and splits 20 into $10 + 10$. Add the partial products: $400 + 30 + 400 + 30 = 860$.
- 27) **Choice A is correct.** **(5.M.A.1)** Total: $18.5 + 21.75 + 19.25 + 18 = 77.5$ kg. Remaining: $80 - 77.5 = 2.5$ kg.
- 28) **Choice C is correct.** **(5.NF.B.6)** $\frac{2}{3} \times \frac{1}{4} = \frac{2}{12} = \frac{1}{6}$.
- 29) **Choice C is correct.** **(5.NBT.A.2)** There are two factors of 10, so the decimal moves two places right altogether: $0.6 \rightarrow 6 \rightarrow 60$.
- 30) **Choice D is correct.** **(5.NF.B.7)** $\frac{1}{2} \div 4 = \frac{1}{2} \times \frac{1}{4} = \frac{1}{8}$ cup.
- 31) **Choice C is correct.** **(5.NF.A.2)** $\frac{4}{11} \approx \frac{1}{2}$ and $\frac{6}{13} \approx \frac{1}{2}$. So $\frac{4}{11} + \frac{6}{13} \approx \frac{1}{2} + \frac{1}{2} = 1$.



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 3 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)

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- ✓ Reduce test anxiety
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