

8

FULL-LENGTH

New Jersey

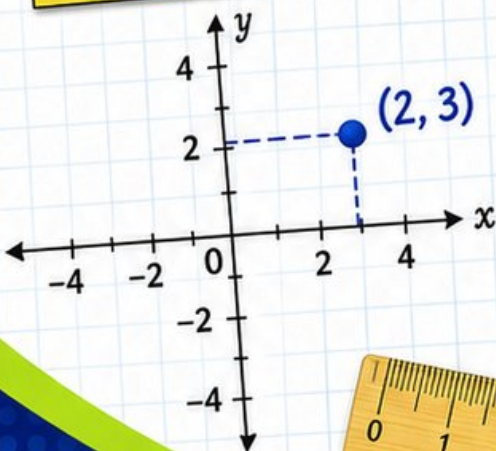
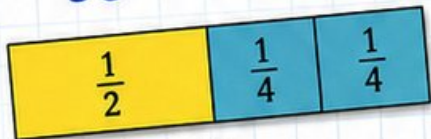
NJSLA

GRADE 5

MATH PRACTICE TESTS

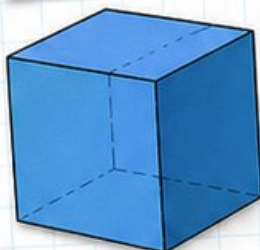
Mixed Practice Questions with Answer Key
for Students, Parents, and Teachers

$$36 \div 4 = 9$$



$$2.4 \times 7 = 16.8$$

$$7 \times (12 - 5) = 49$$

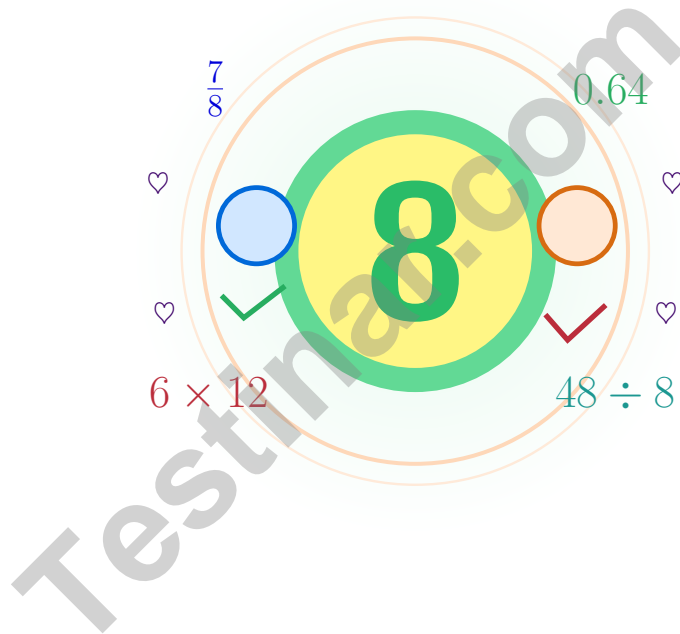


1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100



8 New Jersey NJSLA Grade 5 Math Practice Tests

Eight full tests, seven lessons, one stronger mathematician



Eight full tests, a focused quick review, and helpful support that turns Grade 5 practice in The Garden State into steady, confident growth from page one to the final check.

Jay Daie and Reza Nazari



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Step Into the Practice Path, New Jersey

A eight-step expedition for curious Grade 5 thinkers

For Every Curious Mind in New Jersey

This practice book is your steady companion for eight tests, not a place to be perfect. Math practice grows like a Jersey garden – a little water, a little sun, and steady tending make everything thrive.

Use these eight tests like stepping-stones. Take one test at a time, check your answers honestly, and notice which skills need more attention. Small improvements add up across seven rounds.

Read

Read every word twice and underline what is asked.

Solve

Choose the cleanest method and show your steps.

Reflect

Look back to find what worked and what to fix.

A strong habit for New Jersey mathematicians: read carefully, estimate when it helps, show your steps, and keep going even when a question feels tricky. That is how steady math confidence is built.

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Eight Tests, Seven Lessons

A simple routine that turns practice into progress

Step 1: Power Up

Sharpen your math brain with the quick review.

Spend a few minutes waking up your memory before the test begins.

Step 2: Trail Run

Take a full practice test in a quiet spot.

Work in a calm spot and focus on careful thinking before speed.

Step 3: Debrief

Score honestly and circle missed questions.

Circle missed questions and notice which topics keep showing up.

Step 4: Repair

Fix the missed work and lock the lesson in.

Read the explanation, repair the work, and bring that lesson into the next test.



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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)

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WEIGHT AND MASS

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TIME

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

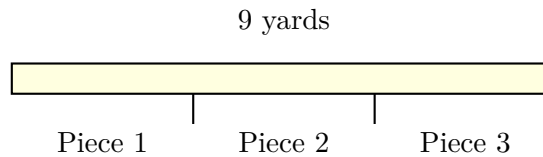
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1 day = 24 hours (hr) 1 year = 52 weeks

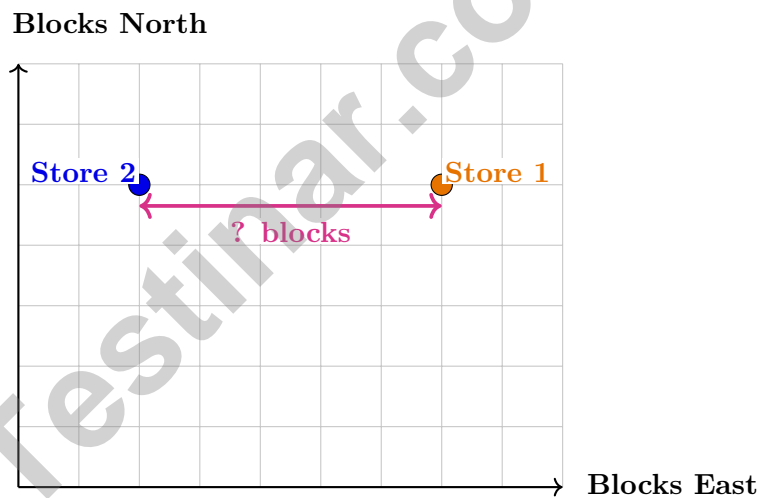


- 6) A tailor is cutting a piece of fabric 9 yards long into equal pieces. If the fabric is cut into 3 pieces, how long is each piece in feet?

Use: $1 \text{ yard} = 3 \text{ feet}$



- A. 3 feet C. 9 feet
- B. 6 feet D. 18 feet
- 7) On a graph, two stores are plotted at $(7, 5)$ and $(2, 5)$. How many blocks east or west apart are the stores?



- A. 3 blocks C. 5 blocks
- B. 4 blocks D. 7 blocks



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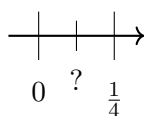
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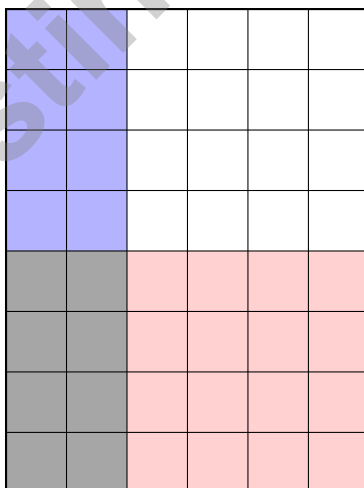
1) The number 4.02 is shown using an arrow diagram. Which operation is missing?



- A. 10
 - B. 100
 - C. $\frac{1}{10}$
 - D. $\frac{1}{100}$
- 2) A number line shows the interval from 0 to $\frac{1}{4}$ marked as a single unit. This interval is divided into 2 equal parts. What number marks the first division?



- A. $\frac{1}{2}$
 - B. $\frac{1}{8}$
 - C. $\frac{1}{6}$
 - D. $\frac{1}{4}$
- 3) Two fractions are multiplied. The overlap in their area model covers 8 squares. If the grid is 6×8 (48 squares total), what is the product?



- A. $\frac{4}{48}$
- B. $\frac{1}{12}$
- C. $\frac{2}{6}$
- D. $\frac{8}{48}$



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1) Pattern: 7, 14, 21, 28, ... Which is NOT a term?

A. 49

C. 75

B. 63

D. 84

2) A rope is $\frac{9}{10}$ meter long. A craftsman uses $\frac{2}{3}$ of the rope for a project. How long is the piece used? Give the answer in simplest form.

A. $\frac{6}{13}$ meter

C. $\frac{3}{5}$ meter

B. $\frac{18}{13}$ meter

D. $\frac{2}{3}$ meter

3) Thousandths place-value chart for 2.536: which digit is in the hundredths place?

Ones	Tenths	Hundredths	Thousandths
2	5	3	6

A. 2

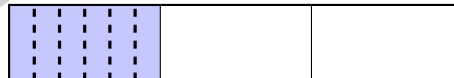
C. 3

B. 5

D. 6

4) The model shows $\frac{1}{3}$ of a whole split into 6 equal parts. What fraction of the whole is each small part?

$\frac{1}{3}$ split into 6



1 whole split into 3 equal parts

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

C. $\frac{1}{18}$

B. $\frac{1}{6}$

D. $\frac{1}{9}$



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1) A trail mix bin has 5 pounds. Each bag holds one eighth pound. Which division equation matches the situation?

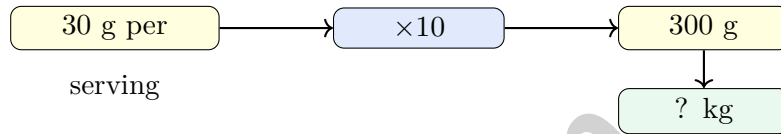
A. $\frac{1}{8} \div 5 = n$

C. $5 \div \frac{1}{8} = n$

B. $5 \times \frac{1}{8} = n$

D. $5 + \frac{1}{8} = n$

2) A nutrition label shows that one serving of cereal weighs 30 grams. A box contains 10 servings. How many kilograms does the entire box weigh?



A. 0.03 kg

C. 3 kg

B. 0.3 kg

D. 30 kg

3) Arrow diagram: start at 0.6, multiply by 100. Where do you land?



A. 6

C. 600

B. 0.60

D. 60

4) To get a product that ends in exactly 2 zeros, which number must go in the blank?

___ × 200 = product ending in exactly 2 zeros

A. 15

C. 5,000

B. 50

D. 3



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

- Choice C is correct.** **(5.OA.A.1)** The brackets show what must be subtracted from 100. First $(6 + 4) = 10$, then $5 \times 10 = 50$, so $100 - 50 = 50$.
- Choice A is correct.** **(5.OA.A.1)** The base area is 100 square meters. Since $500 \div 100 = 5$, the height is 5 m.
- Choice B is correct.** **(5.M.B.4)** The base layer has $6 \times 7 = 42$ square units. Divide the volume by the base area: $84 \div 42 = 2$, so the height is 2 inches.
- Choice D is correct.** **(5.M.B.4)** Total people: $28 + 4 = 32$. Empty seats: $40 - 32 = 8$ seats.
- Choice B is correct.** **(5.M.B.3)** Prism 1: $48 \times 6 = 288 \text{ cm}^3$. Prism 2: $48 \times 4 = 192 \text{ cm}^3$. Difference: $288 - 192 = 96 \text{ cm}^3$.
- Choice C is correct.** **(5.M.A.1)** Total: 9 yards = 27 feet. Each piece: $27 \div 3 = 9$ feet.
- Choice C is correct.** **(5.G.A.2)** Both stores have the same y-coordinate (5), so the distance is measured horizontally. The distance is $7 - 2 = 5$ blocks.
- Choice C is correct.** **(5.NF.A.2)** $9\frac{3}{5} \approx 10$ and $4\frac{2}{9} \approx 4$. So $9\frac{3}{5} - 4\frac{2}{9} \approx 10 - 4 = 6$.
- Choice C is correct.** **(5.NF.A.2)** A 3 in the tenths place is worth 0.3, and a 3 in the thousandths place is worth 0.003. Since $0.3 \div 0.003 = 100$, the tenths value is 100 times greater.
- Choice A is correct.** **(5.M.B.3)** Each layer has 12 cubes. Three layers of the same size give $12 \times 3 = 36$ unit cubes total.
- Choice B is correct.** **(5.G.A.2)** The star is 5 units to the right along the x -axis and 7 units up along the y -axis, so the coordinates are (5, 7).
- Choice C is correct.** **(5.NBT.A.4)** To round to the nearest tenth, we look at the digit to the RIGHT of the tenths place, which is the hundredths digit (7). We use it to decide whether to round up or down.
- The correct answer is (4, 2).** **(5.G.A.1)** Moving 4 units right gives an x -coordinate of 4. Moving 2 units up gives a y -coordinate of 2, so the point is (4, 2).
- Choice D is correct.** **(5.G.A.1)** Combine: $42 + 35 = 77$ shaded squares. So $0.42 + 0.35 = 0.77$.
- The correct answer is $4\frac{1}{4}$ feet.** **(5.DL.B.5)** $3 \times \frac{3}{4} + 2 \times \frac{1}{2} + 1 = 2\frac{1}{4} + 1 + 1 = 4\frac{1}{4}$ feet.
- Choice A is correct.** **(5.NBT.A.2)** A power of 10 tells how many factors of 10 to use. In order: 100, 300, 2000, 10000. This confirms the answer.
- The correct answer is $\frac{2}{3}$.** **(5.NF.A.2)** Reduce each fraction by dividing the numerator and denominator by the same number. $\frac{6}{9}$ and $\frac{8}{12}$ both simplify to $\frac{2}{3}$.
- Choice C is correct.** **(5.NF.A.2)** Work one prism at a time: $7 \times 5 \times 4 = 140$, $5 \times 5 \times 3 = 75$, and $4 \times 4 \times 4 = 64$. Add the non-overlapping volumes: $140 + 75 + 64 = 279$ cubic meters.
- Choices A, B are correct.** **(5.NF.A.1)** C equals $1\frac{1}{12}$; D equals $1\frac{1}{2}$.
- Choice D is correct.** **(5.OA.A.1)** Each parenthesis can be solved separately: $18 \div 3 = 6$ and $2 \times 7 = 14$. Add those results to get $6 + 14 = 20$.
- The correct answer is 450.** **(5.OA.A.1)** Move the decimal point three places right: $0.45 \rightarrow 450$.
- Choice B is correct.** **(5.NBT.A.2)** Trailing zeros do not change value: $0.3 = 0.30 = 0.300$ (all equal 3 tenths).
- Choice B is correct.** **(5.NBT.B.7)** When a number is multiplied by a factor less than 1, the product is smaller than the original number.
- Choice B is correct.** **(5.NBT.A.2)** $6 \times 1000 = 6000$. Append three zeros to 6.
- Choice B is correct.** **(5.NBT.A.2)** A rectangle is a quadrilateral (4 sides), a parallelogram (2 pairs of parallel sides), and a rectangle (all right angles). Trapezoid does not apply.
- Choice B is correct.** **(5.DL.B.5)** Count the X marks above 3. There are 3 X marks, so 3 students were absent exactly 3 days.
- Choice B is correct.** **(5.NF.A.1)** Add: $1\frac{2}{7} + 3\frac{5}{7} = 4\frac{7}{7} = 5$.
- Choice C is correct.** **(5.NF.A.1)** Multiplying by 1,000 moves the decimal three places right: $0.65 \rightarrow 6.5 \rightarrow 65 \rightarrow 650$.



Champion in Training!

◇ What a season! You've completed 8 full practice tests, and that's the kind of training that builds real champions. Every test was a workout, and your math muscles are stronger today than they were before. Your stamina, focus, and accuracy have all leveled up. ◇

★ **Here's what every great coach knows:** the team that practices the most plays the best. You've put in the practice. You know the plays. You've handled the drills. Now it's almost game day, and you are ready. ★

Your Training Camp Stats

- **Math Stamina:** HIGH! You can stay focused for a full test.
- **Strategy Playbook:** LOADED! You have multiple ways to attack a problem.
- **Mistake Recovery:** STRONG! You can pick yourself up and keep going.
- **Game Day Mindset:** READY! You know how to stay calm under pressure.

Pre-game tip: the night before test day, get a great sleep. Eat a good breakfast. Bring a sharp pencil and a positive attitude. And remember—you have already trained for this. Trust your training.

If you want to share a proud moment or ask a question, please email me at jay@testinar.com. I'd love to hear from you!

Jay Daie

Your Math Coaches (Game On!)

$45 \div 5 = ?$

PRACTICE TODAY.

$\frac{3}{5} + \frac{1}{10} = ?$



ACHIEVE TOMORROW!



$3^2 + 4^2 = 25$

This book includes **8** full-length **Grade 5** math practice tests to help students master essential skills, build confidence, and achieve success. Each test is carefully designed to reflect real math standards and cover a variety of question types with detailed answer explanations.

$7x - 4 = 17$

$1\frac{1}{2} + 2\frac{1}{3} = ?$

8 FULL-LENGTH MATH PRACTICE TESTS



REALISTIC PRACTICE

Tests mirror Grade 5 math standards and real assessment formats.



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Detailed answer explanations help students understand and learn.



BUILD CONFIDENCE & SKILLS

Strengthens problem-solving abilities and reinforces key math concepts.



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