

3

New York

NYSTP

GRADE 4

MATH

PRACTICE TESTS

Standards-Aligned Review with
Mixed Practice and Answer Key



5 FULL-LENGTH
PRACTICE TESTS



STANDARDS-ALIGNED
REVIEW



MIXED PRACTICE
QUESTIONS



ANSWER KEY
INCLUDED

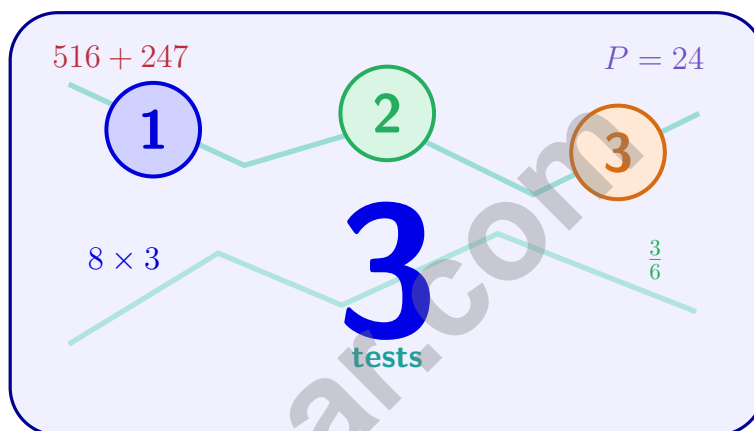
$$a^2 + b^2 = c^2$$

$$\frac{3}{4}$$



3 New York NYSTP Grade 4 Math Practice Tests

Standards-Aligned Practice for Stronger Math Skills and Test Readiness



Three 30-question trail tests packed with Grade 4 review, New York NYSTP strategy tips, answer keys, and step-by-step explanations that turn every miss into the next move.

Jay Daie and Reza Nazari



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Welcome, New York Math Explorer!

Three steady rounds on the Empire State math route

This book gives you three full Grade 3 practice tests for NYSTP. Each round uses city blocks, lake trails, and focused mixed practice to keep practice memorable while you read carefully, choose a strategy, show work, and check the answer.

New York Practice Promise

I will slow down for the question, circle what matters, solve one step at a time, and use mistakes as clues for getting stronger.

Read

Plan

Check

How to Use This Book

A ten-session routine for New York NYSTP review

1. **Preview the skills.** Read the quick review pages before the first test.
2. **Take one test at a time.** Treat each round like a stop on the Empire State math route.
3. **Mark your confidence.** Put a small star beside problems you solved with a strong plan.
4. **Check, then retry.** For missed questions, try the problem again before reading the explanation.
5. **Track your next move.** Use the growth log to name one habit and one skill for the next test.

Good rhythm: Test one day, correct carefully the next day, then return for the next round when your corrections feel clear.



What Is Inside?

Three tests, 90 questions, and a full NYSTP review path

Part	What You Will Practice
Tests 1–3	Warm-up rounds for reading carefully, choosing operations, and using models.
Tests 1–3	Skill-building rounds with fractions, measurement, area, data, and two-step problems.
Tests 1–3	Stamina rounds for mixed review, neat work, and flexible strategies.
Answer Pages	Compact keys and explanations that show why each answer works.

The tests are mixed on purpose. Real test readiness means recognizing the skill even when the next question changes topic.



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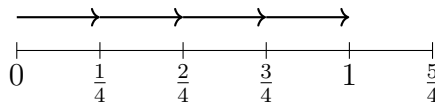
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6) A piece of string weighs $\frac{3}{5}$ ounce. What is the weight of 4 pieces?

- A. $\frac{3}{20}$ ounce C. $\frac{7}{5}$ ounces
 B. $\frac{12}{5}$ ounces D. $\frac{4}{5}$ ounce

7) Use the number line to find $4 \times \frac{1}{4}$.



- A. $\frac{1}{4}$ C. $\frac{2}{4}$
 B. $\frac{4}{4}$ or 1 D. $\frac{4}{16}$

8) Which diagram shows two lines that will eventually intersect?



- A. Diagram A C. Diagram C
 B. Diagram B D. Diagram D

9) Which fraction can be written as $4 \times \frac{1}{5}$?

- A. $\frac{4}{5}$ C. $\frac{4}{20}$
 B. $\frac{1}{20}$ D. $\frac{5}{4}$

10) There are 4 basketballs. There are 8 times as many tennis balls. How many tennis balls are there?

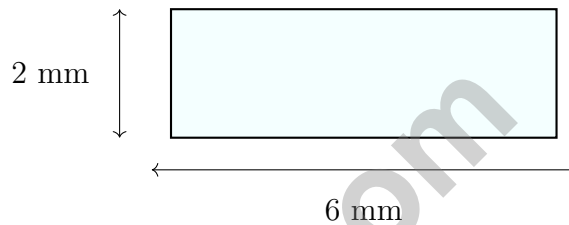
- A. 4 C. 2
 B. 12 D. 32

11) Which of these statements about the letter R is correct?

- A. It has 1 line of symmetry C. It has no line of symmetry
 B. It has 2 lines of symmetry D. It has many lines of symmetry

12) Subtract: $6,320 - 1,485 = ?$

- A. 4,835 C. 4,935
 B. 5,835 D. 5,935



13)

What is the area of the rectangle shown?

- A. 8 sq mm C. 16 sq mm
 B. 18 sq mm D. 12 sq mm

14) Select the TWO correct answers. Which statements correctly describe $\frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6}$?

- A. This equals $\frac{4}{6}$
 B. This equals $\frac{4}{24}$
 C. This is a sum of four unit fractions
 D. This equals $\frac{3}{6}$
 E. This equals $\frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4}$



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1) An obtuse angle has an opening that is:

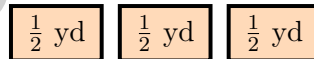
- A. smaller than a right angle C. larger than a right angle but smaller than a straight angle
 B. the same as a right angle D. equal to a straight angle

2) Complete the table using the rule “multiply by 3”:

Input	1	2	3	4	5
Output	3	6	9	?	?

3) Solve: $\frac{6}{12} + \frac{7}{12} = ?$

- A. $\frac{13}{12}$ or $1\frac{1}{12}$ C. $\frac{1}{12}$
 B. $\frac{13}{24}$ D. $\frac{6}{12}$



4) 3 strips, each $\frac{1}{2}$ yard

This shows 3 ribbon strips. Each strip is $\frac{1}{2}$ yard. What is the total length?

- A. $\frac{3}{6}$ C. $\frac{1}{2}$
 B. $\frac{3}{2}$ yards (or $1\frac{1}{2}$ yards) D. 3 yards



5) Subtract: $7,104 - 2,356 = ?$

A. 4,748

C. 5,748

B. 4,758

D. 4,648

6) A baker uses $\frac{5}{8}$ cup of flour for one batch. How much flour does he use for 3 batches?

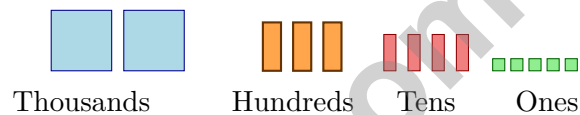
A. $\frac{5}{24}$ cups

C. $\frac{15}{8}$ cups or $1\frac{7}{8}$ cups

B. $\frac{8}{5}$ cups

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

7) Maya built a model of the number 2,345 using base-ten blocks. How many thousands blocks did she use?



A. 5

C. 4

B. 3

D. 2

8) Find the first four multiples of $\frac{2}{6}$.

A. $\frac{2}{6}, \frac{4}{6}, \frac{6}{6}, \frac{8}{6}$

C. $\frac{1}{6}, \frac{2}{6}, \frac{3}{6}, \frac{4}{6}$

B. $\frac{2}{6}, \frac{2}{12}, \frac{2}{18}, \frac{2}{24}$

D. $\frac{2}{6}, \frac{3}{6}, \frac{4}{6}, \frac{5}{6}$

9) Ming's bookshelf is a rectangle. It is 16 inches long and 12 inches wide. What is the area of the bookshelf?

A. 192 sq in

C. 28 sq in

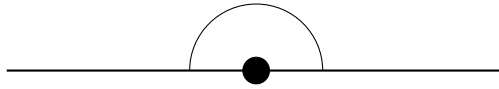
B. 56 sq in

D. 256 sq in



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1)



The angle shown above is:

- A. an acute angle C. an obtuse angle
 B. a right angle D. a straight angle

2) If $\frac{2}{3} = \frac{?}{9}$, what is the missing number?

3) Zoe drinks $\frac{2}{5}$ liter each day for 5 days. How many liters total?

4) A quadrilateral has two pairs of opposite sides that are equal and parallel. Is this figure a rectangle?

- A. Yes, always C. Only if it has right angles
 B. No, never D. Only if all four sides are equal



Practice Test Answer Keys

How to use this section with a Grade 4 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 B is correct.** **(4.MD.7)** The window shade rotates twice. Add both rotations: $104^\circ + 76^\circ = 180^\circ$.
- 2) **Choice C is correct.** **(4.MD.5)** Five-sixths of the circle is $\frac{5}{6} \times 360^\circ = 300^\circ$.
- 3) **Choice A is correct.** **(4.NBT.5)** Distribute: $14 \times (30 + 5) = 420 + 70 = 490$ people.
- 4) **Choice A is correct.** **(4.NF.3)** Option A shows two decompositions: $\frac{2}{10} + \frac{6}{10}$ and $\frac{4}{10} + \frac{4}{10}$. Check: $2 + 6 = 8$ and $4 + 4 = 8$. Both equal $\frac{8}{10}$. ✓
- 5) **The correct answer is $2\frac{6}{8}$.** **(4.NF.3)** Since $\frac{5}{8} < \frac{7}{8}$, regroup: $6\frac{5}{8} = 5\frac{13}{8}$. Then subtract: $5\frac{13}{8} - 3\frac{7}{8} = 2\frac{6}{8}$.
- 6) **Choice B is correct.** **(4.NF.4)** Four pieces of string, each weighing $\frac{3}{5}$ ounce, weigh $4 \times \frac{3}{5} = \frac{12}{5}$ ounces total.
- 7) **Choice B is correct.** **(4.NF.4)** On the number line, we make 4 jumps of $\frac{1}{4}$ each, starting at 0 and landing at 1. So $4 \times \frac{1}{4} = \frac{4}{4} = 1$. The answer is 1.
- 8) **Choice D is correct.** **(4.G.1)** Parallel lines never meet, but non-parallel lines angle toward each other and will eventually crash together. Diagram D shows two lines leaning toward each other, so they'll meet someday.
- 9) **Choice A is correct.** **(4.NF.4)** Four fifths: $4 \times \frac{1}{5} = \frac{4}{5}$.
- 10) **Choice D is correct.** **(4.OA.1)** "8 times as many" is a multiplication signal. Make 8 groups of the 4 basketballs: $4 \times 8 = 32$ tennis balls.
- 11) **Choice C is correct.** **(4.G.3)** The letter R has a curved bump on top and one slanted leg sticking out. These don't balance on either side, so no fold line creates matching halves. The answer is It has no line of symmetry.
- 12) **Choice A is correct.** **(4.NBT.4)** Start in the ones place: $0 < 5$, so regroup one ten as 10 ones. Then subtract from right to left carefully. The answer is **4,835**.
- 13) **Choice D is correct.** **(4.MD.3)** The diagram shows 6 mm long and 2 mm wide. Area = $6 \times 2 = 12$ sq mm.
- 14) **The correct answer is A, C.** **(4.NF.3)** Let's check each choice. Choice A: $\frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6} = \frac{4}{6}$ (correct!). Choice C: "Four unit fractions" also describes this sum (correct!). Choices B, D, E: Wrong denominators or wrong totals.
- 15) **Choice B is correct.** **(4.NF.4)** Each piece is $\frac{1}{8}$ meter long. With 5 pieces, the total length is $5 \times \frac{1}{8} = \frac{5}{8}$ meter.
- 16) **Choice D is correct.** **(4.OA.2)** "2 times as many" means multiply. The team scored $2 \times 9 = 18$ points in the second quarter.
- 17) **Choice C is correct.** **(4.OA.4)** Test each: 32 is even (so divisible by 2); $35 = 5 \times 7$; $39 = 3 \times 13$. Only 37 has no factors besides 1 and itself—**prime!**
- 18) **Choice D is correct.** **(4.MD.6)** The ray falls between the 60° and 70° marks, right in the middle of that range. At 65° , this acute angle is a good estimate for the angle shown. The answer is **65** degrees.
- 19) **Choice D is correct.** **(4.NBT.2b)** Looking at B: thousands and hundreds match. Tens place: $6 < 7$, so $234,567 < 234,576$ is true. Others are false ✓
- 20) **Choice B is correct.** **(4.MD.5)** The sides of an angle are rays that start at the vertex and extend outward.
- 21) **Choice D is correct.** **(4.NBT.1)** In 4,567, read the places from right: ones 7, tens 6, hundreds 5, thousands 4. The digit 4 is in the thousands place, so its value is $4 \times 1,000 = 4,000$. ✓
- 22) **The correct answer is $1\frac{1}{7}$.** **(4.NF.3)** Add the fractions: $\frac{5}{7} + \frac{3}{7} = \frac{8}{7}$. Convert to a mixed number: $1\frac{1}{7}$.
- 23) **Choice C is correct.** **(4.MD.4)** Count how many times $\frac{2}{4}$ inch appears in the data: it shows up **3** times.
- 24) **Choice B is correct.** **(4.G.1)** Triangles are classified in two ways: by their angle measures (acute, right, obtuse) or by their side lengths (equilateral, isosceles, scalene). Looking at angles or sides helps identify the type of triangle. The answer is **B**.
- 25) **Choice A is correct.** **(4.NF.3)** When subtracting with like denominators, just subtract the numerators: $8 - 5 = 3$. Answer: $\frac{3}{10}$.
- 26) **Choice A is correct.** **(4.MD.5)** The tick marks divide the angle, and it reaches the 45° mark, so the measure is **45°** .
- 27) **Choice D is correct.** **(4.OA.3)** Two steps! Step 1: total players from all three teams: $18 + 22 + 20 = 60$. Step 2: divide into 8 groups: $60 \div 8 = 7$ remainder 4. So each group has 7 players with 4 left over. Check: $7 \times 8 = 56$, and $60 - 56 = 4$. ✓



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Notes From Your Math Builder

Hi, Math Builder!

◇ Through 3 practice tests, you built your math house brick by brick. The walls are strong. The roof is on. You are ready for anything test day brings. ◇

★ **Builders know:** good plans make strong houses. You learned to plan, then build. That helps with any problem. ★

Builder's Tools

- **Foundation:** ROCK SOLID. Math facts are in place.
- **Frame:** STRONG. You can break problems into parts.
- **Walls:** TIDY. Your work is neat and clear.
- **Roof:** DONE. You always answer the question.

Builder tip: on test day, build each answer like a tiny house. Read first. Plan next. Do the math. Then check!

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

Jay Daie

Your Math Builder

PRACTICE TODAY. SUCCEED TOMORROW!

This **Grade 4 Math Practice Tests** book is designed to help students build strong math skills, master key concepts, and gain the confidence they need to excel on any test.

With 3 full-length practice tests, a variety of question types, and detailed answer explanations, students get the review and practice they need to strengthen problem-solving skills and achieve their best.

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

PERFECT FOR:

- ✓ Classroom Practice
- ✓ Homework & Review
- ✓ Independent Learning
- ✓ Test Preparation
- ✓ Skill Reinforcement
- ✓ Confidence Building

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SUCCESS TOMORROW!

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Develop logical thinking and effective solution strategies.



Test Confidence

Become familiar with test-style questions and formats.



Prepare for Success

Build the confidence needed to do your best on test day.

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- ✓ Addition & Subtraction
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- ✓ Fractions & Decimals
- ✓ Measurement & Data
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