

5 New York NYSTP Grade 4 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Five complete 30-question Grade 4 practice rounds for NYSTP, built around city blocks, lake trails, and focused mixed practice, with answer keys and clear explanations for every item.

Jay Daie and Reza Nazari



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Welcome, New York Math Explorer!

Five steady rounds on the Empire State math route

This book gives you five full Grade 4 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?

Five tests, 150 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 3–5	Skill-building rounds with fractions, measurement, area, data, and two-step problems.
Tests 3–5	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.



Scan me!
For more practice
& answers

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11) Which number has a 9 in the hundreds place?

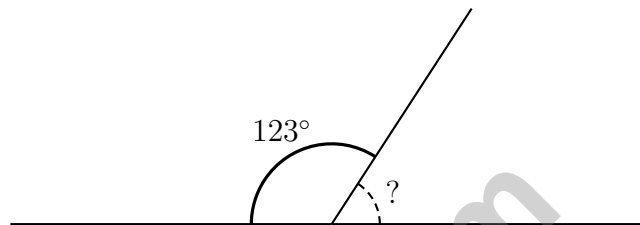
A. 9,234

C. 2,019

B. 3,590

D. 1,945

12) A straight line is marked at a point. On one side of the point, an angle measures 123° . What is the measure of the angle on the other side of the point?



A. 123°

C. 180°

B. 57°

D. 90°

13) How many factor pairs does 28 have?

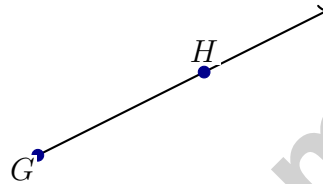


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1) Write the number 12,405 in word form.

- A. Twelve thousand, four hundred fifty C. One hundred twenty thousand, four hundred five
- B. Twelve thousand, forty-five D. Twelve thousand, four hundred five

2) Which statement about Ray GH is correct?



- A. The ray ends at point H C. The ray starts at G and continues forever
- B. The ray extends in both directions D. The ray stops between G and H

3) Sam has \$0.25. Write this amount as a fraction of a dollar.

4) What is $7 \times \frac{1}{5}$ as a mixed number?

- A. $\frac{1}{35}$ C. $2\frac{2}{5}$
- B. $\frac{7}{1}$ D. $\frac{7}{5}$ or $1\frac{2}{5}$



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5) A book bag weighs 5 kilograms. How many grams is this?

A. 500

C. 50,000

B. 5,000

D. 500,000

6) A shape has the following attributes: four sides, four equal sides, and no right angles. Which shape could it be?

A. Trapezoid

C. Rhombus

B. Rectangle

D. Triangle

7) A recipe requires $1\frac{1}{3}$ cups of milk. The baker already has $\frac{2}{3}$ cup. How much more milk is needed?

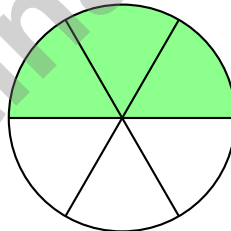
A. $\frac{2}{3}$

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

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

D. $2\frac{1}{3}$

8) Look at the circle divided into equal parts. Which expression shows the shaded amount as a sum of unit fractions?



Pie divided into 6 equal slices

A. $\frac{1}{6} + \frac{1}{6} + \frac{1}{6}$

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

B. $\frac{3}{6}$

D. $\frac{6}{3}$

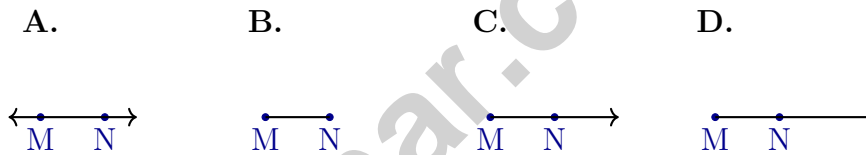


5) A sports team has 96 uniforms. They divide them equally among 6 teams. Then each team donates 5 uniforms to a new club. How many uniforms does each team have left?

- A. 10 C. 21
 B. 16 D. 11

6) Keisha ran $\frac{5}{6}$ lap, Liam ran $\frac{3}{4}$ lap, and Mila ran $\frac{4}{5}$ lap. Who ran the shortest distance?

7) Which diagram shows line segment MN ?



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

8) Sam has 4 feet of ribbon. How many inches of ribbon does he have?

- A. 12 C. 36
 B. 24 D. 48



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

- Choice C is correct.** **(4.MD.4)** Count how many leaves measured 1 inch (which is the same as $\frac{2}{2}$ inch). We find **3** leaves with this length.
- Choice B is correct.** **(4.NF.5)** Forty hundredths can be written as 0.40 or 0.4. Either way, they're the same value.
- Choice A is correct.** **(4.NBT.6)** Notice: $28 \div 7 = 4$ and $0 \div 7 = 0$. So the quotient is **400**.
- Choice C is correct.** **(4.NF.4)** We take 5 copies of $\frac{2}{10}$. Multiply: $5 \times \frac{2}{10} = \frac{5 \times 2}{10} = \frac{10}{10} = 1$. The answer is **1**.
- Choice C is correct.** **(4.OA.1)** "3 times as many" is a multiplication clue. Make 3 groups of the 5 green marbles: $5 \times 3 = 15$ red marbles. Choice C is the equation that shows this.
- Choice D is correct.** **(4.OA.4)** Columns grow: Figure 1 = 1, Figure 2 = 1 + 2 = 3, Figure 3 = 1 + 2 + 3 = 6. Figure 6 = 1 + 2 + 3 + 4 + 5 + 6 = **21** unit squares.
- Choice B is correct.** **(4.NF.3)** $\frac{4}{10}$ means 4 pieces out of 10, and each piece is $\frac{1}{10}$. So $\frac{4}{10} = \frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10}$.
- Choice A is correct.** **(4.NF.5)** Start with tenths: $9 > 1$. Among the two with tenths = 9, compare hundredths: $9 > 1$, so $0.99 > 0.91$. Among the two with tenths = 1, compare hundredths: $9 > 1$, so $0.19 > 0.11$.
- Choice C is correct.** **(4.NBT.3)** To round to the nearest thousand, always look at the digit one place to the right—that's the hundreds digit. The answer is C: "The hundreds place (3)" ✓
- Choice A is correct.** **(4.NF.5)** Convert $\frac{7}{10}$ to hundredths: $\frac{7}{10} = \frac{70}{100}$. Now add: $\frac{70}{100} + \frac{10}{100} = \frac{80}{100}$.
- Choice D is correct.** **(4.NBT.1)** Check each number: 1,945 has 9 in the hundreds place (worth 900). The other options have 9 in different places. Answer: **1,945**. ✓
- Choice B is correct.** **(4.MD.7)** On a straight line, angles on both sides add to 180° . Subtract to find the other: $180^\circ - 123^\circ = 57^\circ$.
- The correct answer is 3.** **(4.OA.4)** Find every pair that multiplies to 28: 1×28 , 2×14 , 4×7 . (Note: 3, 5, and 6 don't divide 28 evenly.) So there are **3** factor pairs.
- Choice A is correct.** **(4.NBT.5)** An area model splits both factors: $23 = 20 + 3$ (across) and $14 = 10 + 4$ (down). Choice A shows these parts correctly.
- The correct answer is A, E.** **(4.MD.6)** Statements A and E are both correct definitions of angle types. B is incorrect because protractors measure angles, not length in centimeters. C is incorrect because a straight angle measures 180 degrees, not 90 degrees. D is incorrect because the vertex must be placed at the center point of the protractor, not at the curved edge.
- Choice C is correct.** **(4.NF.1)** Look at the bars: $\frac{2}{5}$ is less than half (barely), $\frac{3}{6}$ is exactly half. Only $\frac{5}{8}$ clearly passes the halfway mark.
- Choice D is correct.** **(4.NF.1)** To find an equivalent fraction, multiply both the numerator and denominator by the same number. Here, multiply by 2: $\frac{2}{3} = \frac{2 \times 2}{3 \times 2} = \frac{4}{6}$. Both pieces are twice as many, but they're the same size!
- Choice B is correct.** **(4.MD.3)** Use the area formula: $\text{area} = \ell \times w$, so $36 = 9 \times w$. Divide to find w : $w = 36 \div 9 = 4$ in.
- The correct answer is 90.** **(4.G.1)** The corner of a square is always a right angle, and a right angle is always 90° .
- Choice D is correct.** **(4.OA.2)** The bar model shows Lily's bar split into 3 equal pieces, each the size of Ethan's 8 cards. Multiply: $3 \times 8 = 24$ trading cards.
- Choice D is correct.** **(4.NBT.2b)** From the chart: hundred-thousands: $2 \rightarrow 200,000$, ten-thousands: $1 \rightarrow 10,000$, thousands: $4 \rightarrow 4,000$, hundreds: $5 \rightarrow 500$, tens: $3 \rightarrow 30$, ones: $7 \rightarrow 7$ ✓
- Choice B is correct.** **(4.MD.5)** An angle of 130° is composed of **130** one-degree angles.
- Choice A is correct.** **(4.NBT.4)** Add by place value: ones $7 + 1 = 8$, tens $6 + 2 = 8$, hundreds $5 + 3 = 8$, thousands $3 + 4 = 7$, ten-thousands $2 + 1 = 3$. The sum is **37,888**.
- Choice C is correct.** **(4.NF.4)** Starting at 0, each jump is $\frac{1}{4}$. After making 3 jumps, we have moved $3 \times \frac{1}{4} = \frac{3}{4}$ of the way.
- Choice D is correct.** **(4.NF.3)** Add the wholes: $4 + 2 = 6$. Add the fractions: $\frac{2}{4} + \frac{1}{4} = \frac{3}{4}$. The total is **$6\frac{3}{4}$** batches.
- Choice A is correct.** **(4.NF.3)** A farmer has two field sections. Add the areas: $1\frac{2}{5} + 2\frac{3}{5} = 3\frac{5}{5} = 4$ acres total.



A Quiet Word From Your Mentor

Hi, Thoughtful Student,

◇ I want to take a moment to tell you something true: you did excellent work. 5 practice tests is a real promise that you kept to yourself. That matters. ◇

★ **Mentors notice:** growth is quiet. It doesn't shout. But it shows up in how you handle a problem today vs how you did weeks ago. That growth is your real prize. ★

What I See in You

- **Hard Work:** You don't quit when problems are tough.
- **Curiosity:** You wonder why and how.
- **Kindness:** You are patient with yourself.
- **Brave Heart:** You try things that scare you.

Mentor's note: on test day, treat yourself like you would a friend. Be kind. Be patient. Be encouraging. The skills are inside you!

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

Jay Daie

Your Math Mentor

5 PRACTICE TESTS. BUILD SKILLS. BOOST CONFIDENCE!

This **Grade 4 Math Practice Tests** book is designed to help students master essential math concepts, improve problem-solving skills, and build the confidence they need to excel.

With 5 full-length practice tests, a variety of question types, and detailed answer explanations, students get the practice they need to understand math, strengthen critical thinking, and perform their best on test day and beyond.

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

PERFECT FOR:

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

★ CONFIDENCE TODAY.
SUCCESS TOMORROW!

WHAT STUDENTS WILL GAIN



Stronger Math Skills

Build a solid foundation through targeted practice and review.



Better Problem Solving

Develop logical thinking and effective solution strategies.



Test Confidence

Become familiar with test-style questions and formats.



Track Progress

Measure growth across multiple practice tests.



Master Key Concepts

Reinforce important skills aligned with grade-level standards.



Prepare for Success

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

TOPICS COVERED

- ✓ Place Value & Number Sense
- ✓ Addition & Subtraction
- ✓ Multiplication & Division
- ✓ Fractions & Equivalent Fractions
- ✓ Decimals
- ✓ Geometry & Measurement
- ✓ Perimeter & Area
- ✓ Data, Graphs & Line Plots
- ✓ Patterns & Algebraic Thinking
- ✓ Word Problems
- ✓ And More!



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Mixed Question Types



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A+