

4

New York

NYSTP

GRADE 4

MATH

PRACTICE TESTS



5 FULL-LENGTH
PRACTICE TESTS



STANDARDS-ALIGNED
REVIEW



MIXED PRACTICE
QUESTIONS



ANSWER KEY
INCLUDED

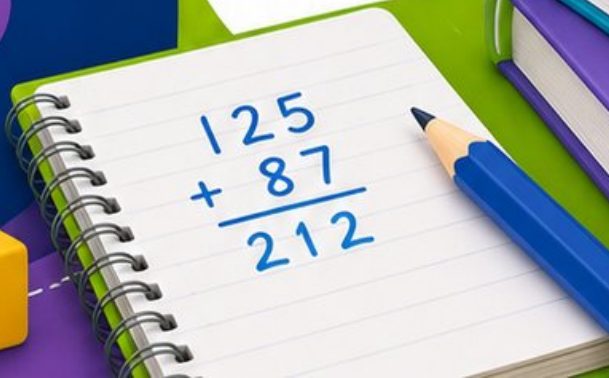


Standards-Aligned Review with
Mixed Practice and Answer Key



$$4 \times 7 = 28$$

$$36 \div 9 = 4$$



4 New York NYSTP Grade 4 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Four focused 30-question missions for Grade 4 math: number facts, fractions, measurement, data, area, shapes, answer keys, and clear explanations for every item.

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Welcome, New York Math Explorer!

Four steady rounds on the Empire State math route

This book gives you four 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?

Four tests, 120 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 2–4	Skill-building rounds with fractions, measurement, area, data, and two-step problems.
Tests 2–4	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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& answers

Table of Contents

★ Practice Test 1	_____	15
★ Practice Test 2	_____	26
★ Practice Test 3	_____	37
★ Practice Test 4	_____	48
Practice Test Answer Keys	_____	58
Practice Test Answers and Explanations	_____	61

1) Sam had $2\frac{2}{4}$ meters of string. He used $1\frac{1}{4}$ meters for a project. How much string does he have left?

A. $1\frac{3}{4}$

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

B. $1\frac{1}{4}$

D. $3\frac{3}{4}$

2) Look at the bar model below. How many times as many is the longer bar compared to the shorter bar?



A. 3 times

C. 10 times

B. 2 times

D. 5 times

3) Sophia runs laps on a track. Each lap is $\frac{1}{4}$ mile. If she completes 5 laps, how many miles does she run?

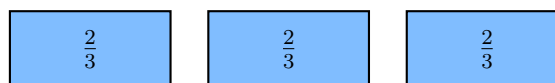
A. $\frac{5}{4}$ miles (or $1\frac{1}{4}$ miles)

C. $\frac{5}{20}$ mile

B. $\frac{1}{20}$ mile

D. 5 miles

4) A model shows 3 tiles, each equal to $\frac{2}{3}$. What is the total?



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

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

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

D. $\frac{2}{9}$



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9) Which comparison is correct?

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

B. $\frac{2}{3} = \frac{1}{2}$

C. $\frac{2}{3} > \frac{1}{2}$

D. $\frac{2}{3} < \frac{3}{6}$

10) What is $\frac{90}{100}$ as a decimal?

A. 0.09

B. 0.9

C. 9.0

D. 0.99

11) How many 90° angles can fit around a point without overlapping?

A. 2

B. 3

C. 4

D. 5

12) Which fraction is equivalent to $\frac{1}{2}$ and has a denominator of 100?

A. $\frac{50}{100}$

B. $\frac{25}{100}$

C. $\frac{75}{100}$

D. $\frac{100}{100}$

13) Write 0.7 as a fraction with denominator 10.

A. $\frac{7}{100}$

B. $\frac{70}{100}$

C. $\frac{7}{10}$

D. $\frac{70}{10}$

14) Select the **TWO** statements that correctly describe a 5 kg bag of rice.

 A. The bag weighs 5,000 grams. B. If divided equally into 5 portions, each weighs 1 kg. C. The bag weighs less than 3 kg. D. If you add another 5 kg bag, the total is 20,000 grams. E. Each kilogram equals 100 grams.

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1) Ava's eraser costs \$0.32. Which fraction shows this price?

A. $\frac{32}{10}$

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

C. $\frac{32}{100}$

D. $\frac{32}{1000}$

2) One basket holds 5 apples. Another basket holds 6 times as many apples. What is the total number of apples in both baskets?

3) Add: $6,234 + 3,456 = ?$

4) A bakery makes 25 trays of cookies. Each tray holds 28 cookies. How many cookies are made?

A. 600 cookies

B. 800 cookies

C. 750 cookies

D. 700 cookies

5) Leo has \$50. He buys a shirt for \$12 and pants for \$28. How much money does he have left?

A. \$10

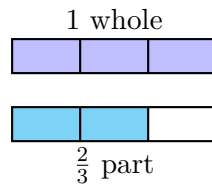
B. \$16

C. \$22

D. \$40



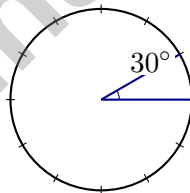
1) Look at the two fraction bars:



This represents which mixed number?

- A. $1\frac{2}{3}$
 C. $1\frac{1}{3}$
 B. $2\frac{2}{3}$
 D. $2\frac{1}{3}$
- 2) The zoo needs to divide 1,456 pounds of animal feed equally among 8 animals. How many pounds does each animal get?

- A. 172
 C. 182
 B. 192
 D. 188



3)

Ava's angle measures 30° . How many one-degree angles does it contain?

- A. 15 one-degree angles
 C. 60 one-degree angles
 B. 30 one-degree angles
 D. 3 one-degree angles



4) What is $4\frac{1}{6} + 1\frac{4}{6}$?

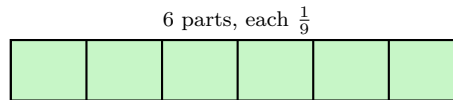
A. $5\frac{1}{6}$

B. $5\frac{4}{6}$

C. $5\frac{5}{6}$

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

5) A fraction bar has 6 equal parts. If each part is $\frac{1}{9}$, what is the whole bar?



A. $\frac{6}{9}$

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

C. $\frac{6}{54}$

D. $\frac{9}{6}$

6) Divide both the numerator and denominator of $\frac{12}{16}$ by 4. What fraction do you get?

A. $\frac{8}{12}$

B. $\frac{4}{12}$

C. $\frac{6}{8}$

D. $\frac{3}{4}$

7) A fraction bar for $\frac{5}{8}$ has how many shaded parts?



8) A roll of tape has $\frac{1}{8}$ meter of tape. How much tape is on 6 rolls?

A. $\frac{1}{48}$ meter

B. $\frac{6}{8}$ meters (or $\frac{3}{4}$ meters)

C. $\frac{6}{48}$ meter

D. 6 meters



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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 B is correct.** (4.NF.3) Sam used some string, so subtract the amount used from what he started with: $2\frac{2}{4} - 1\frac{1}{4} = 1\frac{1}{4}$ meters of string remains.
- Choice D is correct.** (4.OA.1) To find “how many times,” divide the longer length by the shorter: $10 \div 2 = 5$. So the longer bar is 5 times as long as the shorter bar.
- Choice A is correct.** (4.NF.4) Sophia completes 5 laps, each $\frac{1}{4}$ mile long. She runs $5 \times \frac{1}{4} = \frac{5}{4}$ miles total.
- Choice C is correct.** (4.NF.4) Three tiles of $\frac{2}{3}$ each: $3 \times \frac{2}{3} = \frac{6}{3}$.
- Choice B is correct.** (4.MD.4) At $\frac{1}{2}$ inch there is 1 X mark. At $\frac{3}{2}$ inches there are 3 X marks. The difference is $3 - 1 = 2$.
- Choice A is correct.** (4.NF.3) Sam and Ming both ate pieces with the same-sized slices. Together: $2 + 3 = 5$ slices, so $\frac{5}{6}$ of the pizza.
- The correct answer is 43,000.** (4.NBT.3) We’re rounding to the nearest thousand. Look at the hundreds digit: 5. Since $5 \geq 5$, round UP! The thousands digit changes to 3, giving us **43,000** people. ✓
- Choice D is correct.** (4.OA.3) Three steps! Step 1: first company: $5 \times 48 = 240$ pages. Step 2: second company: $3 \times 65 = 195$ pages. Step 3: 240 is bigger, so the first company prints more—by $240 - 195 = 45$ pages.
- Choice C is correct.** (4.NF.1) To compare, find a common denominator: $\frac{2}{3} = \frac{4}{6}$ and $\frac{1}{2} = \frac{3}{6}$. Since $4 > 3$, we have $\frac{2}{3} > \frac{1}{2}$.
- Choice B is correct.** (4.NF.5) Ninety hundredths is written as $0.90 = 0.9$.
- Choice C is correct.** (4.MD.5) Divide the full circle by the angle size: $360^\circ \div 90^\circ = 4$ right angles fit exactly around.
- Choice A is correct.** (4.NF.1) Multiply both the numerator and denominator by 50: $\frac{1}{2} = \frac{1 \times 50}{2 \times 50} = \frac{50}{100}$.
- Choice C is correct.** (4.NF.5) 0.7 is zero point seven, which is read as seven tenths. That means $0.7 = \frac{7}{10}$.
- The correct answer is A, B.** (4.MD.2a) A is correct: $5 \text{ kg} = 5 \times 1,000 = 5,000$ grams. B is correct: $5 \div 5 = 1 \text{ kg}$. C is wrong: 5 kg is more than 3 kg. D is wrong: 10 kg = 10,000 grams, not 20,000. E is wrong: 1 kg = 1,000 grams, not 100.
- Choice D is correct.** (4.NBT.4) Add from ones: $5 + 6 = 11$ (write 1, carry 1), $4 + 5 + 1 = 10$ (write 0, carry 1), $3 + 4 + 1 = 8$, $2 + 3 = 5$, $1 + 2 = 3$. The sum is **35,801**.
- Choice A is correct.** (4.NBT.2b) Looking at the table, the hundreds column shows 4 for Option A, which gives 2,415 ✓
- The correct answer is 90.** (4.MD.5) A right angle always measures 90° , which is **90** one-degree angles.
- Choice A is correct.** (4.NF.4) When we multiply a whole number by a unit fraction, we get that many copies of the unit fraction. So $5 \times \frac{1}{12}$ means 5 copies of $\frac{1}{12}$, which is $\frac{5}{12}$.
- Choice D is correct.** (4.OA.2) “3 times as many” is a multiplication clue. Tom has 3 groups of 8 crayons: $3 \times 8 = 24$ blue crayons.
- Choice B is correct.** (4.G.1) A parallelogram has two pairs of opposite sides that are parallel to each other. This is the defining characteristic that distinguishes a parallelogram from trapezoids and other quadrilaterals. The answer is **B**.
- Choice C is correct.** (4.G.1) Any angle smaller than 90° is acute. Since 75° is less than 90° , this angle is definitely acute.
- Choice D is correct.** (4.OA.4) Find every number that divides 15 evenly. Pair them up: 1×15 and 3×5 . So the factor list is 1, 3, 5, 15. (Note that 1 and the number itself are always factors!)
- Choice D is correct.** (4.NBT.6) Long division: $3 \div 8 = 0 \text{ r}3$, bring down the 2 to get $32 \div 8 = 4$, bring down the 4 to get $4 \div 8 = 0 \text{ r}4$, bring down the 8 to get $48 \div 8 = 6$ with no remainder. The answer is **406**.
- Choice C is correct.** (4.G.3) A slanted parallelogram leans to one side and has different side lengths next to each other. Unlike the equilateral triangle (3 lines), rectangle (2 lines), and isosceles triangle (1 line), this shape has zero symmetry. The answer is A slanted parallelogram with unequal adjacent sides.
- Choice C is correct.** (4.MD.5) A right angle has a perfect square corner, like the corner of a piece of paper.
- Choice D is correct.** (4.NF.3) Since $\frac{2}{10} < \frac{4}{10}$, regroup: $3\frac{2}{10} = 2\frac{12}{10}$. Subtract: $2\frac{12}{10} - 1\frac{4}{10} = 1\frac{8}{10}$.



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Ahoy, Math Sailor!

◇ You sailed through 4 full tests. Some waters were calm. Some waters were rough. You kept your boat steady the whole way. ◇

★ **Captain's truth:** good sailors stay calm. They use the wind. They check the map. You did all those things on every test. ★

Sailor's Skills

- **Steady Hand:** You stay calm even when problems are tricky.
- **Map Skills:** You read each problem carefully.
- **Brave Spirit:** You believe in yourself.
- **Safe Harbor:** You finish what you start.

Captain's tip: on test day, sail steady. Trust the map you built through 4 practice tests. You will reach safe harbor!

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

Jay Daie

Your Math Captain

PRACTICE TODAY, SUCCEED TOMORROW!

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

With 4 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

★ **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.



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 & Decimals
- ✓ Geometry & Measurement
- ✓ Data, Graphs & Line Plots
- ✓ Perimeter & Area
- ✓ Patterns & Algebraic Thinking
- ✓ Word Problems
- ✓ And More!



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