

9 New York NYSTP

GRADE 4

MATH

PRACTICE TESTS

Standards-Aligned Review with
Mixed Practice and Answer Key



**9 FULL-LENGTH
PRACTICE TESTS**



**STANDARDS-ALIGNED
REVIEW**



**MIXED PRACTICE
BUILD SKILLS & CONFIDENCE**



**ANSWER KEY
FOR ALL TESTS**



$$\frac{3}{4} + \frac{1}{4} = 1$$



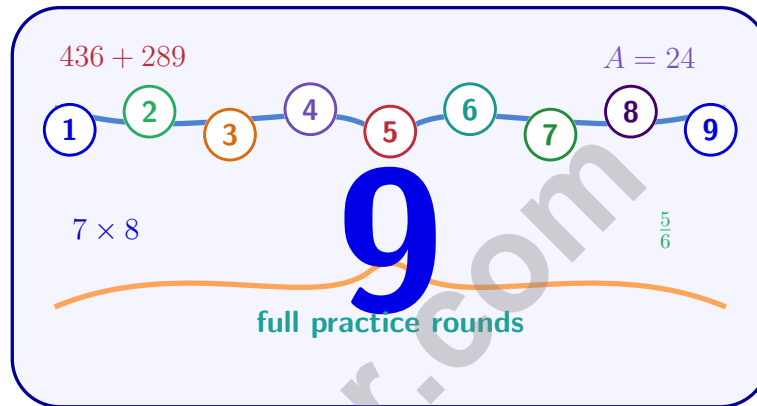
$$725 - 358 = 367$$

PREPARE
PRACTICE
SUCCEED
PERFORM

**PRACTICE TODAY.
SUCCEED TOMORROW.**

9 New York NYSTP Grade 4 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Nine 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!

Nine steady rounds on the Empire State math route

This book gives you nine 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?

Nine tests, 270 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 4–6	Skill-building rounds with fractions, measurement, area, data, and two-step problems.
Tests 7–9	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

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1) Two rays form an angle with a measure of 80° . If one part of the angle is 32° , what is the measure of the other part?

A. 48°

C. 112°

B. 50°

D. 35°

2) A rectangular poster is 16 inches long and 10 inches wide. What is the area of the poster?

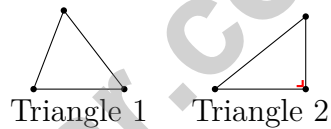
A. 26 sq in

C. 160 sq in

B. 52 sq in

D. 180 sq in

3) Look at the two triangles. Which one is a right triangle?



A. Triangle 1

C. Both triangles

B. Triangle 2

D. Neither triangle

4) A chocolate bar is divided into 5 equal pieces. Ming eats 4 pieces. What fraction of the bar did Ming eat?

A. $\frac{4}{5}$

C. $\frac{5}{4}$

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

D. $\frac{1}{5}$



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5) What does $\frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12}$ equal?

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

B. $\frac{9}{12}$

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

D. $\frac{3}{12}$

6) Which product equals $\frac{8}{12}$?

A. $2 \times \frac{1}{12}$

B. $4 \times \frac{1}{12}$

C. $8 \times \frac{1}{12}$

D. $12 \times \frac{1}{8}$

7) Which pair of fractions can be compared using $\frac{1}{2}$ as a benchmark?

A. $\frac{1}{8}$ and $\frac{2}{8}$

B. $\frac{3}{10}$ and $\frac{4}{5}$

C. $\frac{5}{6}$ and $\frac{5}{8}$

D. $\frac{3}{4}$ and $\frac{2}{3}$

8) Kai started with $5\frac{4}{6}$ meters of rope. He cut off a piece, leaving $2\frac{2}{6}$ meters. How much rope did he cut off?

A. $2\frac{2}{6}$ meters

B. $3\frac{1}{6}$ meters

C. $3\frac{2}{6}$ meters

D. $4\frac{1}{6}$ meters

9) In the number 52,864, what is the value of the digit in the tens place?

10) Which number rounds to 40,000 when rounded to the nearest thousand?

A. 39,250

B. 40,750

C. 40,499

D. 40,501



11) A sack of apples weighs 32 pounds. How many ounces is this?

A. 128

C. 512

B. 256

D. 1,024

12) A number is written as 6 thousands, 7 hundreds, 3 tens, and 1 one. What is the value of the hundreds?

A. 7

C. 700

B. 70

D. 7,000

13) A fan blade rotates $\frac{7}{12}$ of a full turn. What is the angle measurement in degrees?

14) Which number is divisible by 5?

A. 33

C. 55

B. 42

D. 67

15) Ava's pencil is 19 centimeters long. Diego's pencil is 24 centimeters long. What is the difference in length?

A. 5 cm

C. 43 cm

B. 7 cm

D. 19 cm



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1) A slanted parallelogram that is not a rectangle or a rhombus has how many lines of symmetry?

A. 0

C. 2

B. 1

D. 4

2) A bakery sold 12,345 cookies on Monday and 8,567 cookies on Tuesday. How many cookies did they sell in total?

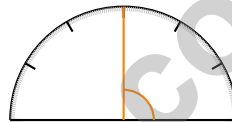
A. 20,912

C. 20,812

B. 21,012

D. 21,112

3)



Sam uses a protractor to measure an angle. The angle lines up exactly with the 90-degree mark. What type of angle is this?

A. Right angle

C. Obtuse angle

B. Straight angle

D. Acute angle

4) Which symbol makes this true? $456,100 \square 456,099$

A. $<$

C. $=$

B. Cannot compare

D. $>$



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5) Which shows the four correct partial products for 24×19 ?

$20 \times 10 = 200$	$4 \times 10 = 40$
$20 \times 9 = 180$	$4 \times 9 = 36$

A.

$20 \times 19 = 380$	$4 \times 19 = 76$
20	4

B.

$20 \times 10 = 200$	$4 \times 19 = 76$
$20 \times 9 = 180$	$4 \times 10 = 40$

C.

$20 \times 10 = 200$	$4 \times 10 = 40$
$20 \times 9 = 180$	$4 \times 8 = 32$

D.



1) Which number is NOT divisible by 2?

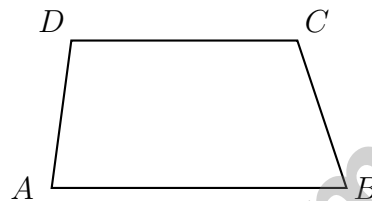
A. 24

C. 49

B. 36

D. 50

2) This trapezoid has different leg lengths. How many lines of symmetry does it have?



A. 0 lines

C. 2 lines

B. 1 line

D. 4 lines

3) Is $\frac{2}{8}$ greater than, less than, or equal to $\frac{1}{4}$?

A. Greater than

C. Equal to

B. Less than

D. Cannot determine

4) Which shape can be described as having four equal sides, two pairs of parallel sides, and four right angles?

A. Trapezoid

C. Square

B. Rhombus

D. Rectangle

5) Which part of an angle is the point where the two rays meet?

A. The side

C. The arc

B. The vertex

D. The exterior



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- 6) A ribbon is $\frac{9}{10}$ meter long. How many tenths is that?
- A. 1 tenth C. 10 tenths
 B. 9 tenths D. 19 tenths
- 7) A child spins a bottle. It rotates $\frac{1}{9}$ of a full turn. How many degrees is this?
- A. 30° C. 40°
 B. 35° D. 45°
- 8) A water jug holds $2\frac{2}{5}$ gallons. If $1\frac{1}{5}$ gallons have been spilled, how much water is in the jug now?
- A. $1\frac{1}{5}$ C. $1\frac{2}{5}$
 B. $3\frac{3}{5}$ D. $2\frac{1}{5}$
- 9) A pizza is cut into 6 equal slices. Max ate 2 slices. Another pizza was cut into 3 equal slices, and Cole ate 1 slice. If both pizzas started the same size, did Max and Cole eat equivalent amounts?
- A. Yes, both ate $\frac{1}{3}$ C. No, Max ate more
 B. Yes, both ate $\frac{1}{2}$ D. No, Cole ate more
- 10) A park ranger counts animals. She counts 6 groups of deer with 12 deer per group, and 7 groups of rabbits with 12 rabbits per group. How many total animals does she count?
- A. 192 animals C. 136 animals
 B. 144 animals D. 156 animals



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 A is correct.** (4.MD.7) To find the missing part, subtract what you know from the total: $80^\circ - 32^\circ = 48^\circ$.
- Choice C is correct.** (4.MD.3) Poster area = $16 \times 10 = 160$ sq in.
- Choice B is correct.** (4.G.1) Triangle 2 shows a right angle marker in the form of a small square at one corner, which indicates a right triangle. Triangle 1 has no right angle marker. The answer is **B**.
- Choice A is correct.** (4.NF.4) Since the bar is divided into 5 equal pieces, each piece is $\frac{1}{5}$. Ming ate 4 pieces, which equals $4 \times \frac{1}{5} = \frac{4}{5}$ of the bar.
- Choice B is correct.** (4.NF.3) We have 9 unit fractions of $\frac{1}{12}$. Counting them: 9 pieces, each $\frac{1}{12}$, so the sum is $\frac{9}{12}$.
- Choice C is correct.** (4.NF.4) Eight twelfths: $8 \times \frac{1}{12} = \frac{8}{12}$.
- Choice B is correct.** (4.NF.1) Use $\frac{1}{2}$ as a benchmark: $\frac{3}{10} < \frac{1}{2}$ (only 3 out of 10 parts) but $\frac{4}{5} > \frac{1}{2}$ (four fifths is more than half). The benchmark separates them!
- Choice C is correct.** (4.NF.3) Subtract the wholes: $5 - 2 = 3$. Subtract the fractions: $\frac{4}{6} - \frac{2}{6} = \frac{2}{6}$. He cut off **$3\frac{2}{6}$** meters.
- The correct answer is 60.** (4.NBT.2b) The tens place (second from right) has the digit 6. Its value: $6 \times 10 = 60$ ✓
- Choice C is correct.** (4.NBT.3) We're rounding to the nearest thousand, so check the hundreds digit of each. Option C (40,499): hundreds digit is $4 < 5$, rounds DOWN to **40,000**. ✓ Option A (39,250): hundreds digit $2 < 5$, rounds DOWN to 39,000. Option B (40,750): hundreds digit $7 \geq 5$, rounds UP to 41,000. Option D (40,501): hundreds digit $5 \geq 5$, rounds UP to 41,000.
- Choice C is correct.** (4.MD.2a) Since 1 pound = 16 ounces, multiply: $32 \times 16 = 512$ ounces. The answer is **512** ounces.
- Choice C is correct.** (4.NBT.1) "7 hundreds" means $7 \times 100 = 700$. The full number 6,731 confirms this. ✓
- The correct answer is 210.** (4.MD.5) Multiply the fraction by 360: $\frac{7}{12} \times 360^\circ = 7 \times 30^\circ = 210^\circ$.
- Choice C is correct.** (4.OA.4) Divisibility rule for 5: the last digit must be 0 or 5. 55 ends in 5—perfect! So $55 \div 5 = 11$. The others end in 3, 2, or 7, so 5 doesn't divide them evenly.
- Choice A is correct.** (4.MD.2a) Diego's pencil is 24 cm and Ava's is 19 cm. Find the difference by subtracting: $24 - 19 = 5$ cm. The difference is **5** centimeters.
- The correct answer is A, D.** (4.NBT.4) A: In 4,567 + 2,456, since $7 + 6 = 13$, we regroup in ones ✓. B: $5,000 - 1,234$ requires regrouping ×. C: In $6,234 + 1,567$, we write 2 in tens, not 0 ×. D: In $8,000 - 2,345$, we must regroup across zeros ✓. E: False ×. Correct: A and D.
- Choice C is correct.** (4.OA.1) When you see "times as many," think *multiplication*! "6 times as many as 4" becomes 6×4 , which equals 24. So choice C, $24 = 6 \times 4$, is the equation that captures that idea.
- Choice A is correct.** (4.MD.5) An angle made of 27 one-degree angles has a measure of **27°** .
- Choice C is correct.** (4.NF.4) We take 4 copies of $\frac{3}{8}$. Multiply: $4 \times \frac{3}{8} = \frac{4 \times 3}{8} = \frac{12}{8} = 1\frac{4}{8} = 1\frac{1}{2}$. The answer is **$1\frac{1}{2}$** .
- Choice C is correct.** (4.OA.4) Build a pyramid: Figure 1 = 1, Figure 2 = $1 + 2 = 3$, Figure 3 = $1 + 2 + 3 = 6$. Figure 5 = $1 + 2 + 3 + 4 + 5 = 15$ circles.
- Choice D is correct.** (4.NF.1) Look at the shaded areas: Model A shows $\frac{1}{2}$, and Model C shows $\frac{2}{4}$. When you split each half in half, you get $\frac{1}{2} = \frac{2}{4}$. Model B is $\frac{1}{3}$ —a different amount.
- Choice B is correct.** (4.NF.3) The path started at $\frac{10}{12}$ meter. Rain washed away $\frac{4}{12}$ meter. What's left: $10 - 4 = 6$ twelfths, or $\frac{6}{12}$ meter.
- Choice D is correct.** (4.NBT.6) Use long division step by step: $3 \div 4 = 0$ r3, bring down the 4 to get $34 \div 4 = 8$ r2, bring down the 5 to get $25 \div 4 = 6$ r1, bring down the 6 to get $16 \div 4 = 4$. The quotient is **864**.
- Choice A is correct.** (4.NF.3) The gardener needs soil but already has some. Find how much more is needed by subtracting what he has from what's needed: $\frac{6}{4} - \frac{2}{4} = \frac{4}{4}$ more bags of soil are needed.
- Choice B is correct.** (4.G.1) Picture two railroad tracks stretching into the distance — they never touch and stay the same distance apart the whole way. That's what parallel lines do.
- The correct answer is 2.** (4.MD.5) An angle is formed by **2** rays that share a vertex.



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Hi, Math Champion!

◇ You trained hard! 9 full practice tests is real practice. Your math game is way better now than when you started. ◇

★ **Coach's truth:** kids who practice get better. You practiced. You got better. That's how it works!

★

Your Game Stats

- **Energy:** HIGH! You can finish a long test.
- **Smart Plays:** You know lots of strategies.
- **Calm Head:** You stay cool with hard problems.
- **Game-Day Ready:** You feel strong and prepared.

Coach's tip: the night before the test, get good sleep. Eat a good breakfast. Bring a sharp pencil. Trust your training!

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

Jay Daie

Your Math Coach

PRACTICE TODAY. ACHIEVE TOMORROW!

This **Grade 4 Math Practice Tests** book is designed to help students strengthen essential math skills, build confidence, and develop the problem-solving abilities needed for classroom success and test readiness.

With 9 full-length practice tests, students gain repeated exposure to important Grade 4 concepts while learning how to approach questions with accuracy, confidence, and strong mathematical thinking.

Whether used at home, in the classroom, or for independent review, this book provides meaningful practice that helps students grow stronger with every test.

PERFECT FOR:

- ✓ Classroom Practice
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