

6 New York NYSTP

GRADE 4 MATH PRACTICE TESTS

Standards-Aligned Review with
Mixed Practice and Answer Key



MASTER KEY MATH CONCEPTS
BUILD CONFIDENCE FOR TEST DAY

INCLUDES COMPREHENSIVE ANSWER KEY
ALIGNED STATE STANDARDS

6 New York NYSTP Grade 4 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Six 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.

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Welcome, New York Math Explorer!

Six steady rounds on the Empire State math route

This book gives you six 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?

Six tests, 180 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 4–6	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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For more practice
& answers

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- 1) An angle is labeled 77° . What is its measure in degrees?

- 2) A pizza box is a rectangle with a length of 14 inches and a width of 14 inches. What is the area of the box?

- A. 196 sq in C. 56 sq in
 B. 228 sq in D. 28 sq in

- 3) Diego bought two toy cars. One costs \$0.39 and the other costs \$0.93. Which toy car is more expensive?

- A. The first car (\$0.39) C. Both cost the same
 B. The second car (\$0.93) D. The first car is more expensive

- 4) What is $\frac{5}{10} + \frac{25}{100}$?

- A. $\frac{30}{100}$ C. $\frac{5}{25}$
 B. $\frac{75}{100}$ D. $\frac{30}{110}$

- 5) Which pair of line segments is perpendicular?

A.

B.

C.

D.



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



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6) What is $\frac{1}{4}$ equivalent to if you multiply the numerator and denominator by 2?

- A. $\frac{2}{8}$
 B. $\frac{2}{6}$

- C. $\frac{3}{6}$
 D. $\frac{1}{2}$

7) How many degrees is a half turn around a circle?

- A. 90°
 B. 180°

- C. 270°
 D. 360°

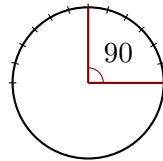
8) A juice jug contains 2 liters. How many milliliters is this?

9) Which number is divisible by 5?

- A. 84
 B. 91

- C. 105
 D. 113

10)



The angle shown is a right angle with degree tick marks. How many one-degree angles form a right angle?

- A. 45 one-degree angles
 B. 90 one-degree angles

- C. 180 one-degree angles
 D. 360 one-degree angles



11) Round 55,555 to the nearest ten thousand.

- A. 50,000 C. 56,000
 B. 55,000 D. 60,000

12) What is $\frac{7}{10} - \frac{3}{10}$?

- A. $\frac{4}{20}$ C. $\frac{10}{10}$
 B. $\frac{4}{10}$ D. $\frac{3}{10}$

13) $\frac{4}{5}$ can be written as the sum of four unit fractions:

- A. $\frac{1}{5} + \frac{1}{5} + \frac{1}{5} + \frac{1}{5}$ C. $\frac{1}{5} + \frac{2}{5} + \frac{1}{5} + \frac{1}{5}$
 B. $\frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4}$ D. $\frac{1}{5} + \frac{1}{5} + \frac{1}{5} + \frac{2}{5}$

14)

\$2K	\$4K	\$3K	\$2K	\$1K
Monday	Tuesday	Wednesday	Thursday	Friday

The chart shows a store’s rounded daily sales, in thousands of dollars. How much more did they sell Monday through Wednesday than Thursday and Friday combined?

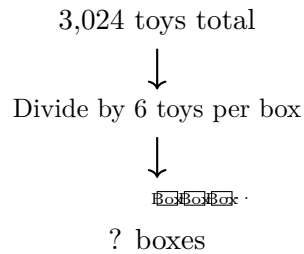
- A. \$6,000 C. \$10,000
 B. \$8,000 D. \$7,000

15) A recipe needs 32 ounces of milk. The baker has 50 ounces. After making the recipe, how many ounces are left?



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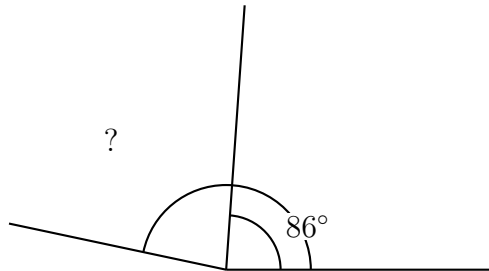
- 1) A small factory packs 3,024 toys into boxes. How many boxes of 6 toys per box can they fill?



- A. 504 C. 494
 B. 514 D. 524
- 2) Write a fraction that is equivalent to $\frac{1}{4}$.
-
- 3) Estimate by rounding to the nearest thousand: $26,345 - 8,912 = ?$
- A. About 18,000 C. About 19,000
 B. About 20,000 D. About 17,000
- 4) If the pattern “subtract 6” starts at 80, what is the 4th term?
- A. 56 C. 68
 B. 74 D. 62



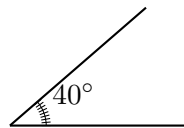
- 1) A surveyor measures a land angle of 168° . A tree is planted such that it divides the angle into 86° and another part. What is the measure of the other part?



- A. 82° C. 254°
 B. 86° D. 90°
- 2) A rectangular swimming pool is 25 feet long and 15 feet wide. How many feet of rope are needed to go around the entire edge of the pool?



3)



An angle turns through 40 one-degree angles. What is the measure of this angle?

- A. 40° C. 39°
 B. 41° D. 80°



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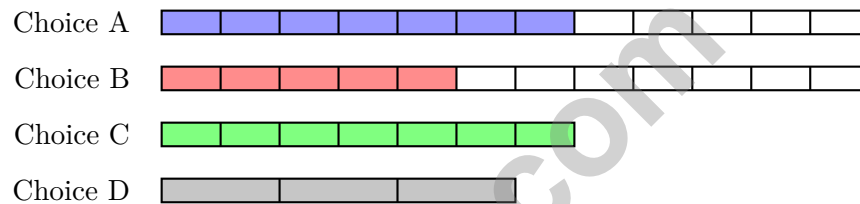
4) How many factors does 32 have?

- A. 4 C. 6
 B. 5 D. 7

5) A ribbon is 0.75 meters long. Which fraction is equivalent to this length?

- A. $\frac{7}{10}$ C. $\frac{75}{10}$
 B. $\frac{75}{100}$ D. $\frac{750}{100}$

6) Which fraction bar correctly shows $\frac{7}{12}$?



- A. 7 shaded out of 12 C. 7 shaded out of 7
 B. 5 shaded out of 12 D. 3 shaded out of 3

7) A pencil is 19 centimeters long. How many millimeters is this?

- A. 1.9 C. 190
 B. 19 D. 1,900

8) In the number 5,309, what is the value of the 3?

- A. 3 C. 300
 B. 30 D. 3,000



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) **The correct answer is 77°.** (4.MD.5) The label gives the angle measure: **77°**.
- 2) **Choice A is correct.** (4.MD.3) Pizza box area = $14 \times 14 = 196$ sq in.
- 3) **Choice B is correct.** (4.NF.5) Compare the tenths place: $9 > 3$, so $0.93 > 0.39$. The second car is more expensive.
- 4) **Choice B is correct.** (4.NF.5) First, rewrite $\frac{5}{10}$ using hundredths: $\frac{5}{10} = \frac{50}{100}$. Then add: $\frac{50}{100} + \frac{25}{100} = \frac{75}{100}$.
- 5) **Choice D is correct.** (4.G.1) Perpendicular segments cross at exactly 90° — look for that special little square symbol. Diagram D has it, showing two segments meeting perfectly at right angles.
- 6) **Choice A is correct.** (4.NF.1) Multiply both top and bottom by 2: $\frac{1}{4} = \frac{1 \times 2}{4 \times 2} = \frac{2}{8}$.
- 7) **Choice B is correct.** (4.MD.5) A half turn is $\frac{1}{2}$ of the full circle: $\frac{1}{2} \times 360^\circ = 180^\circ$.
- 8) **The correct answer is 2,000.** (4.MD.2a) Since 1 liter = 1,000 milliliters, multiply: $2 \times 1,000 = 2,000$ mL.
- 9) **Choice C is correct.** (4.OA.4) Divisibility rule for 5: the last digit must be 0 or 5. 105 ends in 5—yes! So $105 \div 5 = 21$. The others end in 4, 1, 3—none of which are 0 or 5.
- 10) **Choice B is correct.** (4.MD.5) The right angle diagram shows a 90° angle, which consists of **90** one-degree angles.
- 11) **Choice D is correct.** (4.NBT.3) We're rounding to the nearest ten thousand. Look at the thousands digit: 5. Since $5 \geq 5$, we round UP! The ten thousands digit changes from 5 to 6, giving us **60,000**. ✓
- 12) **Choice B is correct.** (4.NF.3) Subtraction with same denominator: $7 - 3 = 4$, keep the denominator. Answer: $\frac{4}{10}$.
- 13) **Choice A is correct.** (4.NF.3) A unit fraction always has a numerator of 1. Four copies of $\frac{1}{5}$: $1 + 1 + 1 + 1 = 4$, giving us $\frac{4}{5}$. ✓
- 14) **Choice A is correct.** (4.NBT.4) Step 1: Add Mon-Wed: $2,000 + 4,000 + 3,000 = 9,000$. Step 2: Add Thu-Fri: $2,000 + 1,000 = 3,000$. Step 3: Subtract: $9,000 - 3,000 = 6,000$.
- 15) **The correct answer is 18 oz.** (4.MD.2a) The baker has 50 ounces and uses 32 ounces. Subtract: $50 - 32 = 18$ ounces. There are **18** ounces left.
- 16) **Choice C is correct.** (4.NBT.6) Divide: $7 \div 9 = 0$ r7, bring down the 6 to get $76 \div 9 = 8$ r4, bring down the 2 to get $42 \div 9 = 4$ r6. The remainder is **6**.
- 17) **The correct answer is D, E.** (4.NF.4) Check each option: A gives $\frac{3}{4}$, B gives $\frac{2}{3}$, C gives $\frac{2}{3}$. Only D ($5 \times \frac{1}{5} = 1$) and E ($2 \times \frac{1}{2} = 1$) equal 1 whole.
- 18) **Choice B is correct.** (4.NF.3) Look at the expression: $\frac{1}{3} + \frac{1}{3} + \frac{1}{3} + \frac{1}{3} + \frac{1}{3} + \frac{1}{3}$. Count them: **6** copies of $\frac{1}{3}$.
- 19) **Choice C is correct.** (4.OA.2) The bar model shows the park's bar is 3 equal pieces, each the size of the garden's 10 rose bushes. Multiply: $3 \times 10 = 30$ rose bushes.
- 20) **Choice A is correct.** (4.NF.3) The container started full and some juice was served. Find how much was served by subtracting what's left from what started: $\frac{9}{10} - \frac{4}{10} = \frac{5}{10}$ liter of juice was served.
- 21) **Choice C is correct.** (4.G.1) Since all three angles are less than 90 degrees (acute angles), this triangle is classified as an acute triangle. The answer is **C**.
- 22) **Choice D is correct.** (4.NF.4) Three batches of $\frac{1}{6}$ gallon each: $3 \times \frac{1}{6} = \frac{3}{6}$, which is the same as $\frac{1}{2}$.
- 23) **Choice D is correct.** (4.OA.3) Divide to pack: $73 \div 12 = 6$ remainder 1. So 6 complete boxes get filled and 1 cookie is left over. Check: $6 \times 12 = 72$, and $73 - 72 = 1$. ✓
- 24) **Choice C is correct.** (4.MD.7) Add the two rotations together to find the total: $45^\circ + 35^\circ = 80^\circ$.
- 25) **Choice D is correct.** (4.NBT.2b) "Seventy-eight thousand" = 78,000, so the full number is 78,412. The digit 8 is in the thousands place ✓
- 26) **Choice C is correct.** (4.NBT.1) Read the value backwards: $600 = 6 \times 100$. A digit's value equals digit \times place value. Since the place value here is 100, the digit must be in the hundreds place. *Quick check:* the places are ones ($\times 1$), tens ($\times 10$), hundreds ($\times 100$), thousands ($\times 1,000$). ✓
- 27) **Choice D is correct.** (4.NF.1) The denominators match, so look at the numerators. Since $5 < 7$, $\frac{5}{8} < \frac{7}{8}$.
- 28) **Choice A is correct.** (4.NBT.5) Break 256 by value: $7 \times (200 + 50 + 6) = 1400 + 350 + 42 = 1792$ books.



Author's Note

From a Friend Who Believes in You

Hi, Friend!

◇ I just want to say something important: I am proud of you. You did 6 full practice tests. That takes time, hard work, and heart. ◇

★ **Friendly truth:** a test is just one part of your math journey. You are SO much more than a score. The work you did is the real win! ★

What I Want You to Know

- **You are smart.** Every test you finished proves it.
- **You are brave.** You tried hard problems.
- **You are growing.** Mistakes taught you new things.
- **You are ready.** The skills are inside you.

One more thing: on test day, take a deep breath. Smile. Remember that someone (me!) believes in you. You can do this!

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

Jay Daie

Your Math Friend

PRACTICE TODAY, SUCCEED TOMORROW!

This **Grade 4 Math Practice Tests** book is the perfect tool to help students strengthen their math skills, master important concepts, and build confidence for test success.

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