

7 New York NYSTP

Grade 6 MATH

PRACTICE TESTS

7
PRINTED
TESTS

+

2
ONLINE
TESTS

Use these two additional online practice tests for extra review after the printed tests in this book.

Standards-Aligned *Steady Southern*
Problem Solving for Comprehensive
Assessment Program



7 Full-Length
Printed Tests



Standards-Aligned
Math Practice



Detailed Answer Keys
and Explanations



Build Confidence.
Achieve Success.



You've
Got
This!



PREPARE
PRACTICE
SUCCEED



PRACTICE
WITH PURPOSE



STRENGTHEN
MATH SKILLS



REVIEW, IMPROVE,
AND SUCCEED

7 New York NYSTP Grade 6 Math Practice Tests

Standards-Aligned Focused Statewide Review for New York State Testing Program



Seven complete 40-question Grade 6 practice rounds for NYSTP, built for focused statewide review with ratios, rational numbers, expressions, equations, geometry, statistics, answer keys, and clear explanations for every item.

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Welcome, New York Math Explorer!

Eight focused rounds using focused statewide review

This book gives you seven full Grade 6 practice tests for NYSTP. Each round uses city grids, river valleys, and upstate routes as a fresh mental backdrop while you read closely, choose a smart strategy, show your work, and check whether your answer makes sense.

Your New York Practice Promise

Move with purpose: read every label, write the plan, and check that the answer fits.

Read

Plan

Check

How to Use This Book

A seven-session routine for focused statewide review

1. **Work in order.** Take one 40-question test at a time in a quiet place.
2. **Preview the skills.** Scan the quick review pages before beginning the first round.
3. **Correct actively.** Retry missed items before reading the full explanation.
4. **Mark confidence.** Put a small star beside problems where your plan felt strong.
5. **Plan the next round.** Use the growth log to choose one habit and one skill to practice.

New York review rhythm: Practice one round, review the busy spots, and bring a sharper routine to the next test.



What Is Inside?

Eight NYSTP tests, 320 questions, and a full review path

Part	What You Will Practice
Tests 1–3	Foundation rounds for ratios, rational numbers, operations, and careful reading.
Tests 4–6	Skill-building rounds with expressions, equations, geometry, data, and problem models.
Test 7	Final stamina round for mixed review, neat work, and flexible strategy choices.
Answer Pages	Compact keys and explanations that show why each answer works.

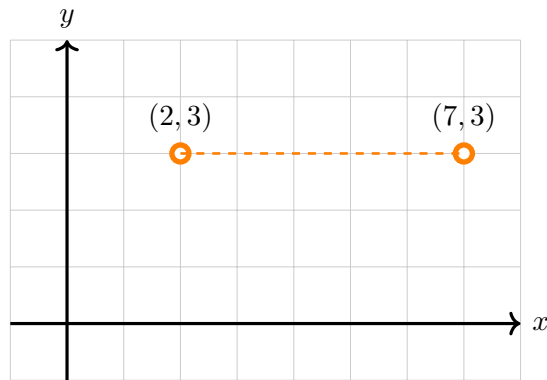
The tests are mixed on purpose. Focused statewide review means recognizing the skill even when the next question changes topic, changes format, or asks for an explanation.



Scan me!
For more practice
& answers

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1)

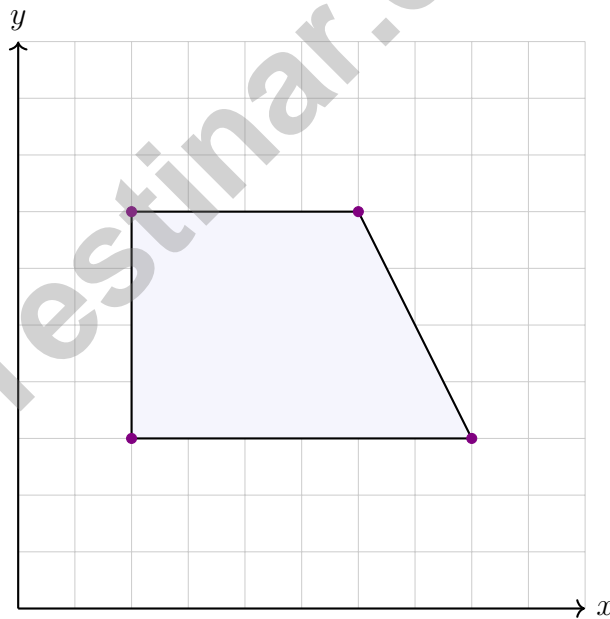
What is the distance between $(2, 3)$ and $(7, 3)$?

A. 4 units

C. 6 units

B. 5 units

D. 7 units



2)

What is the length of the left side of this trapezoid?

A. 3 units

C. 5 units

B. 6 units

D. 4 units



3) A back-to-back stem-and-leaf plot shows:

Class A	Stem	Class B
9, 7, 5	6	1, 3, 4
8, 6, 2	7	0, 5, 7, 9

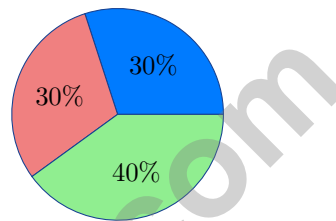
What is the range for Class A?

A. 13

C. 22

B. 20

D. 25



4)

A circle graph shows the favorite ice cream flavors of 200 people. If 30% prefer vanilla, how many people prefer vanilla?

A. 60

C. 30

B. 50

D. 80

5) A submarine at -300 feet relative to sea level moves up 75 feet. What is its new depth?



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- 6) A team recorded the number of goals scored in each game of a season: 2, 3, 1, 4, 2, 3, 3, 2, 5, 3.

If you created a dot plot with this data, at which value would you see the MOST dots?

- A. 1 goal C. 3 goals
 B. 2 goals D. 5 goals

7)

Item	Quantity
Apples	15
Bananas	25

What ratio correctly compares bananas to the total fruit in simplest form?

- A. 5 : 3 C. 15 : 25
 B. 25 : 40 D. 5 : 8
- 8) A rectangular prism has a base area of 12 in^2 and a height of 5 in. What is its volume?

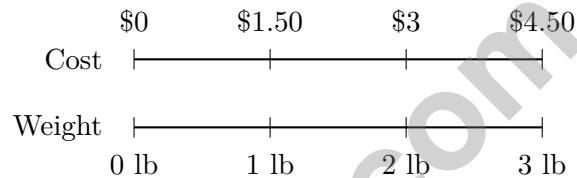
- A. 17 in^3 C. 36 in^3
 B. 24 in^3 D. 60 in^3



1) A scientist needs to convert 3 meters to both centimeters and millimeters. Which statement is correct?

- A. 3 m = 300 cm and 3 m = 3,000 mm
 B. 3 m = 30 cm and 3 m = 300 mm
 C. 3 m = 3,000 cm and 3 m = 3,000 mm
 D. 3 m = 3,000 cm and 3 m = 300,000 mm

2) The table shows the cost of apples by weight. What is the cost per pound?



- A. \$2 per pound
 B. \$1.25 per pound
 C. \$1 per pound
 D. \$1.50 per pound
- 3) A deep-sea creature lives at an elevation of -5000 meters. A high-altitude bird lives at an elevation of 8000 meters. What is the vertical distance between them?
- A. 3000 meters
 B. 13000 meters
 C. 5000 meters
 D. 8000 meters
- 4) On a test, Maria answered 27 out of 30 questions correctly. What percent is this (to the nearest whole percent)?

- A. 85%
 B. 90%
 C. 95%
 D. 100%



5) A garden is drawn as 8 cm long on a scale drawing. The actual garden is 16 meters long. What is the scale of the drawing in centimeters to meters?

A. 1 cm = 1 m

B. 1 cm = 2 m

C. 2 cm = 1 m

D. 8 cm = 16 m

6) Find the LCM of 10, 12, and 15.

A. 30

B. 60

C. 120

D. 180

7) What is the value of $|-12|$?

A. 12

B. 0

C. -12

D. 24

8) What is the reflection of the point $(2, 6)$ across the x -axis?

A. $(-2, 6)$

B. $(2, -6)$

C. $(-2, -6)$

D. $(6, 2)$

9) A delivery truck travels 360 miles in 9 hours. Find the unit rate in miles per hour.

10) Which comparison is false?

A. $-7 < -2$

B. $0 > -5$

C. $-6 > -4$

D. $3 > -1$



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& answers

1) A swimmer swims 100 meters in 25 seconds. What is the unit rate in meters per second?

A. 2 m/s

C. 5 m/s

B. 4 m/s

D. 25 m/s

2) This image shows a collection of marbles.



Green to Purple

If the pattern continues and we have 15 green marbles, how many purple marbles should there be?

A. 5

C. 8

B. 7

D. 9

3)

Miles	50	100	150
Hours	1	2	3

Which rate does this table represent?

A. 30 miles per hour

C. 100 miles per hour

B. 50 miles per hour

D. 150 miles per hour

4) Write 19% as a decimal.

A. 0.019

C. 1.9

B. 19.0

D. 0.19



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For more practice
& answers

5) A shipping box weighs 2,500 grams. A student needs to report the weight in kilograms but accidentally multiplied instead of dividing. What is the correct answer?

A. 2.5 kg

C. 250 kg

B. 25 kg

D. 2,500,000 kg

6) A closed circle at -4 with an arrow right uses what boundary number?

7) A worker's paycheck is \$1500. Taxes take 18%. How much is the take-home after taxes?

A. \$1080

C. \$1230

B. \$1200

D. \$1300

8) A scale of $1 \text{ cm} = 3 \text{ m}$ is used to draw a plan. If the actual width of a room is 9 m, what is the width in the drawing?

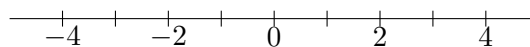
A. 2 cm

C. 4 cm

B. 3 cm

D. 5 cm

9) On a number line, which two integers are exactly 8 units apart?



A. -4 and 0

C. 0 and 4

B. -2 and 2

D. -4 and 4



New York NYSTP Practice Test Answer Keys

How to use this New York NYSTP answer section with a Grade 6 student:

1. check the answer first, then write one quick reason the choice is correct
2. mark questions to try again, especially the skills that feel connected to focused statewide review
3. rework the problem before reading the full explanation, using this reminder:
Move with purpose: read every label, write the plan, and check that the answer fits.

A calm New York correction routine turns every missed item into useful practice. Practice one round, review the busy spots, and bring a sharper routine to the next test.



Scan me!
For more practice
& answers

New York Practice Test Answers and Explanations

Review the seven printed NYSTP tests with purposeful, flexible, and ready for the next route habits.

Practice Test 1 Answers and Explanations

- Choice B is correct.** **6.NS.8** Same y -coordinate (3): $|7 - 2| = 5$ units.
- Choice D is correct.** **6.G.3** The left side goes from (2, 3) to (2, 7). Length = $7 - 3 = 4$ units.
- Choice A is correct.** **6.SP.4** Class A values are 65, 67, 69, 72, 76, 78. The range is $78 - 65 = 13$.
- Choice A is correct.** **6.NS.1** 30% of 200 is $0.30 \times 200 = 60$ people.
- The correct answer is -225.** **6.NS.7c** Starting at -300 feet and moving up 75 feet: $-300 + 75 = -225$ feet (still below sea level).
- Choice C is correct.** **6.SP.4** Counting the data: 1 appears once, 2 appears 3 times, 3 appears 4 times, 4 appears once, and 5 appears once. The tallest stack would be above 3 goals.
- Choice D is correct.** **6.RP.1** First find the total fruit: $15 + 25 = 40$. Bananas to total is $25 : 40$, and dividing both parts by 5 gives $5 : 8$.
- Choice D is correct.** **6.G.2** Using $V = B \times h = 12 \times 5 = 60 \text{ in}^3$.
- Choice C is correct.** **6.G.1** Rectangle: base $11 - 3 = 8$, height $8 - 2 = 6$, area = 48 sq. units. Triangle: base $11 - 3 = 8$, height 4 units, area = $\frac{1}{2} \times 8 \times 4 = 16$ sq. units. Total = $48 + 16 = 64$ sq. units.
- Choice B is correct.** **6.RP.1** Area = $\pi r^2 \approx \frac{22}{7} \times 12^2 = \frac{22}{7} \times 144 = \frac{3168}{7} \approx 452.3 \approx 452 \text{ cm}^2$.
- Choice C is correct.** **6.SP.2** Range = Maximum - Minimum = $45 - 5 = 40$.
- Choice C is correct.** **6.SP.5d** Since mean < median, the distribution is left-skewed; low outliers pull the mean below the median.
- Choice C is correct.** **6.SP.8a** Certain events have probability 1. Only choice C must happen every time a coin is flipped.
- Choice A is correct.** **6.EE.3** Starting at 0 and going down 2 floors: $0 - 2 = -2$ (2nd basement level).
- Choice D is correct.** **6.EE.2a** "The product of 5 and 3" is $5 \cdot 3 = 15$. "p increased by" that product is $p + 5 \cdot 3$.
- The correct answer is -2.5.** **6.NS.6c** The least value is the one farthest left on the number line: -2.5.
- Choice A is correct.** **6.EE.2b** Coefficients include their sign. The term $-7x$ has coefficient -7, not 7.
- Choice C is correct.** **6.EE.6** Total points = first half plus second half = $s + 18$.
- Choice A is correct.** **6.EE.8** "Greater than 0" gives $w > 0$. "Not exceeding 50" means at most 50: $w \leq 50$. Together: $0 < w \leq 50$.
- The correct answer is Both A (180 ÷ 3 = 60 mph) and B (120 ÷ 2 = 60 mph) match the 60 mph rate.** **6.RP.3** A matches because $180 \div 3 = 60$ mph. B matches because $120 \div 2 = 60$ mph. Choices C, D, and E give 50 mph, 45 mph, and about 66.7 mph.
- Choice B is correct.** **6.EE.9** Height equals the growth rate of 3 cm per week times the number of weeks: $h = 3w$.
- Choice D is correct.** **6.RP.1** Recipe A has 4 : 2, which simplifies to 2 : 1. Recipe B has 6 : 3, which also simplifies to 2 : 1, so the recipes have the same oil-to-vinegar ratio.
- Choice D is correct.** **6.RP.3c** Find the unit rate: $8 \div \frac{1}{2} = 8 \times 2 = 16$ acres per day. Multiply by 3 days: $16 \times 3 = 48$ acres.
- Choice B is correct.** **6.RP.3c** $\frac{1}{4} = \frac{25}{100} = 25\%$.
- Choice B is correct.** **6.NS.4** For option B: factors of 8 are 1, 2, 4, 8 and factors of 15 are 1, 3, 5, 15. They share only 1. For A, GCF is 6; for C, GCF is 10; for D, GCF is 3.
- The correct answer is -175.** **6.NS.3** $-250 + 75 = -175$ meters. The submarine is now 175 meters below the surface.
- Choice C is correct.** **6.RP.1** Range = max - min = $98 - 55 = 43$ points.
- Choice A is correct.** **6.SP.5d** IQR = $35 - 20 = 15$. Upper fence = $Q3 + 1.5(\text{IQR}) = 35 + 22.5 = 57.5$. Lower fence = $Q1 - 1.5(\text{IQR}) = 20 - 22.5 = -2.5$. Since 5 and 50 are within fences, no outliers.



Notes From the Math Gardener

Hi, Math Gardener!

◇ Look at how much you grew! 7 tests is like 7 weeks of taking care of your math garden. Every problem was a seed. Every try was water. ◇

★ **Gardeners say:** growth takes time. You can't see roots, but they are there. You can't always feel smarter, but you are. Your math garden is full! ★

Garden Check-Up

- **Roots:** STRONG! Your basic math is solid.
- **Stems:** STURDY! You can do step-by-step problems.
- **Leaves:** GREEN! You have lots of math tools.
- **Flowers:** BRIGHT! You feel proud of your work.

Gardener tip: keep watering your math garden long after the test. Every habit you built will grow with you for years!

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

Jay Daie

Your Math Gardener

MASTER TODAY. SUCCEED TOMORROW.

This Grade 6 Math Practice Tests book is designed to help students strengthen their math skills, master important concepts, and build the confidence they need to excel on comprehensive assessments.

With 7 full-length printed tests and 2 online tests, students get the review, practice, and realistic test experience they need to improve accuracy, develop problem-solving abilities, and reach their full potential.

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



PERFECT FOR:

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

★ PRACTICE TODAY.
SUCCEED 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.



Deeper Understanding

Reinforce key concepts aligned with standards through meaningful practice.



Test Confidence

Become familiar with test formats and improve accuracy and speed.



Achieve Success

Build confidence and perform your best on test day.

TOPICS COVERED

- ✓ Ratios & Rates
- ✓ The Number System
- ✓ Expressions & Equations
- ✓ Geometry
- ✓ Fractions & Decimals
- ✓ Percents
- ✓ Statistics & Probability
- ✓ Data Analysis
- ✓ Measurement & Conversions
- ✓ And More!



2 ONLINE TESTS

Extra online practice to reinforce learning and build confidence.

MORE PRACTICE. GREATER RESULTS.

Give your child the tools needed to develop strong math skills, confidence, and a positive attitude toward learning.



7 FULL-LENGTH
PRINTED TESTS



STANDARDS-
ALIGNED PRACTICE



DETAILED ANSWER
KEYS & EXPLANATIONS