

7 Washington

Smarter Balanced

7
PRINTED
TESTS
+
2
ONLINE
TESTS

Grade 6 MATH

PRACTICE 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 Washington Smarter Balanced Grade 6 Math Practice Tests

Standards-Aligned Evergreen Review Thinking for Smarter Balanced Assessment Consortium



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

Jay Daie and Reza Nazari



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Welcome, Washington Math Explorer!

Eight focused rounds using evergreen review thinking

This book gives you seven full Grade 6 practice tests for Smarter Balanced. Each round uses evergreen trails, water crossings, and careful data reading as a fresh mental backdrop while you read closely, choose a smart strategy, show your work, and check whether your answer makes sense.

Your Washington Practice Promise

Keep the path visible: read the graph, label the work, and check the answer in context.

Read

Plan

Check

How to Use This Book

A seven-session routine for evergreen review thinking

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.

Washington review rhythm: Practice, review, and return with one clearer habit for the next round.



What Is Inside?

Eight Smarter Balanced 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. Evergreen review thinking means recognizing the skill even when the next question changes topic, changes format, or asks for an explanation.



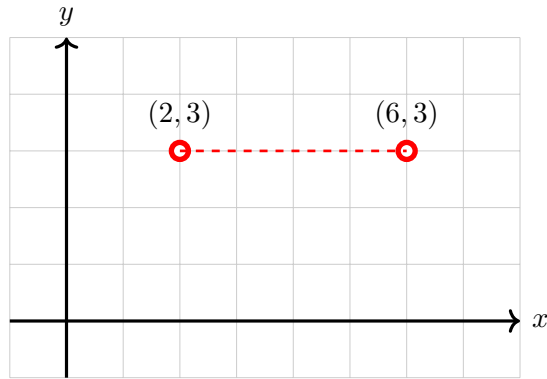
Scan me!
For more practice
& answers

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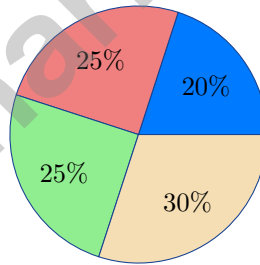
- 1) Fuel consumption: A car travels $\frac{3}{5}$ mile on $\frac{1}{6}$ gallon of gas. How many miles does it travel on 1 gallon?
- A. $\frac{3}{30}$ miles
- B. $\frac{5}{18}$ mile
- C. $3\frac{3}{5}$ miles
- D. $1\frac{4}{5}$ miles
- 2) Two box plots represent Class A and Class B. Both have the same median, but Class A has a smaller box. What does this tell us about Class A?
- A. Class A has a higher average score.
- B. Class A has less variability in the middle 50% of data.
- C. Class A has all higher scores.
- D. Class A's median is not reliable.
- 3) A dataset has 11 values arranged in order. The median is 55. If you remove the largest and smallest values, what will be the new median of the remaining 9 values?
- A. The median stays at 55.
- B. The median decreases to 50.
- C. The median increases to 60.
- D. Cannot be determined without knowing all values.
- 4) Using the temperature data from Question 5, which temperature appears most frequently (the mode)?
- A. No mode
- B. 41°F
- C. 44°F
- D. 48°F





5)

Find the distance between the two points on the grid.



6)

If the total is 200 items, how many items are in the 20% section?

A. 40

C. 50

B. 30

D. 60

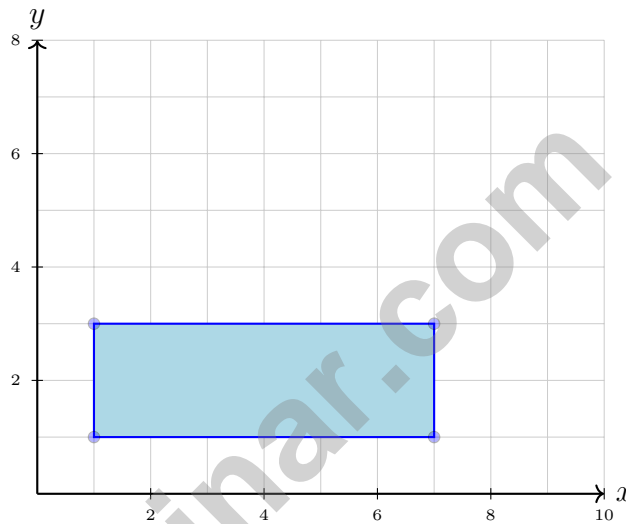


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7) A box plot shows the distribution of test scores for a class. The median is 78, Q1 is 65, Q3 is 88, the minimum is 45, and the maximum is 95.

Which statement about the data is CORRECT?

- A. Exactly 50% of students scored between 65 and 88
- B. The range is 30 points
- C. All students scored above 78
- D. The interquartile range is 23 points



8)

What is the area of the rectangle shown?

- A. 10 square units
- B. 12 square units
- C. 16 square units
- D. 18 square units

9) A box plot shows $Q1 = 10$, Median = 15, $Q3 = 20$, Min = 5, Max = 35. What is the IQR?

- A. 5
- B. 30
- C. 15
- D. 10



1) Combine like terms: $7x + 3y - x + 2y + 4$.

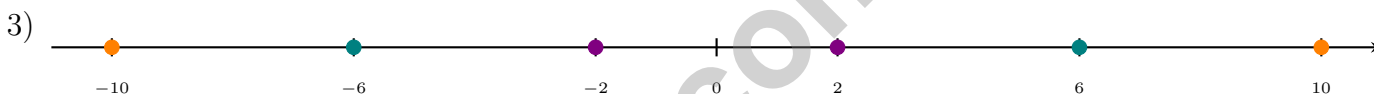
A. $6x + 5y$

C. $7x + 3y + 4$

B. $6x + 5y + 4$

D. $8x + 5y + 4$

2) A factory packages 480 items in 8 boxes. What is the unit rate in items per box?



On this number line, mark which pairs have the same absolute value.

A. -10 and 10 ; -6 and 6 ; -2 and 2

C. Only -6 and 6

B. Only -2 and 2

D. Only -10 and 10

4) If the point $(6, -4)$ is reflected across the x -axis and then across the y -axis, what are the final coordinates?

A. $(6, -4)$

C. $(6, 4)$

B. $(-6, 4)$

D. $(-6, -4)$

5) Two banks offer simple interest on savings accounts. Bank A: principal \$200, rate 5% per year, time 3 years. Bank B: principal \$200, rate 3% per year, time 4 years. Which bank will earn more interest?

A. Bank A earns more

D. Cannot determine without knowing the starting balance

B. Bank B earns more

C. They earn exactly the same



6) A scale drawing has a scale of 1 inch = 12 feet. If the actual length of a building is 60 feet, what is its length in the drawing?

A. 4 inches

C. 6 inches

B. 5 inches

D. 7.2 inches

7) A worker earns \$360 for 40 hours of work. After working an extra 5 hours at the same rate, how much total money does the worker earn?

8) Compute: $\frac{3}{5} \div \frac{1}{2}$

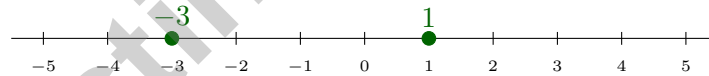
A. $\frac{3}{10}$

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

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

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

9)



Which two numbers are equally far from zero?

A. -3 and 1

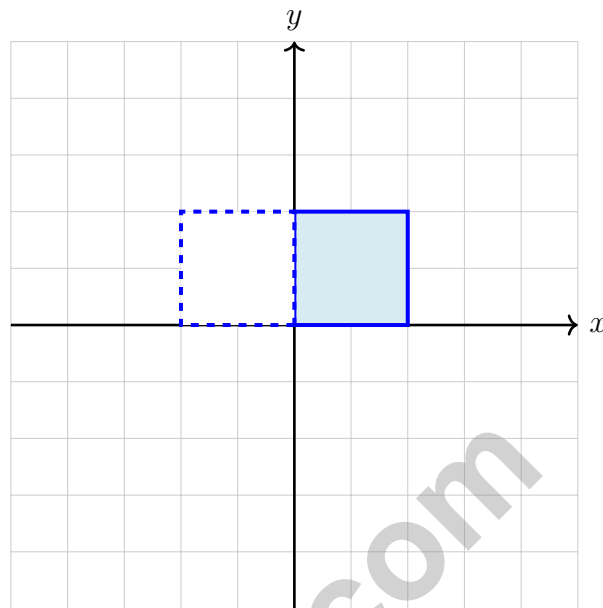
C. -4 and 4

B. 2 and 2

D. -2 and 2



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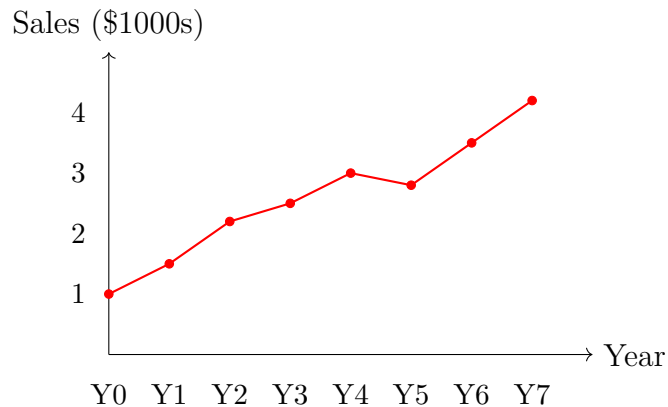
1)

The solid rectangle is reflected over the y -axis to create the dashed rectangle. This confirms that reflection over the y -axis:

- | | |
|---|--|
| <input type="checkbox"/> A. Keeps the same shape and size | <input type="checkbox"/> C. Changes the shape |
| <input type="checkbox"/> B. Changes the orientation | <input type="checkbox"/> D. Makes the figure smaller |



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& answers



2)

A business tracked sales (in thousands of dollars) over 7 consecutive years. Between which two consecutive years did sales DECREASE?

- A. Between years 3 and 4 C. Between years 5 and 6
 B. Between years 4 and 5 D. Between years 6 and 7

3) A car travels at a rate of 60 miles per hour. If we express the distance-to-time ratio as 60 : 1, how many miles does the car travel in 5 hours?

- A. 55 miles C. 300 miles
 B. 65 miles D. 12 miles

4) A paint manufacturer creates batches in which the ratio of red to blue to yellow is always 2 : 3 : 4. If a batch contains 8 liters of red paint, what is the total volume of the entire batch?

- A. 18 L C. 36 L
 B. 24 L D. 48 L



Washington Smarter Balanced Practice Test Answer Keys

How to use this Washington Smarter Balanced 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 evergreen review thinking
3. rework the problem before reading the full explanation, using this reminder:
Keep the path visible: read the graph, label the work, and check the answer in context.

A calm Washington correction routine turns every missed item into useful practice. Practice, review, and return with one clearer habit for the next round.



Washington Practice Test Answers and Explanations

Review the seven printed Smarter Balanced tests with observant, steady, and ready for the next trail habits.

Practice Test 1 Answers and Explanations

- Choice C is correct. **6.NS.A.1** $\frac{3}{5} \div \frac{1}{6} = \frac{3}{5} \times 6 = \frac{18}{5} = 3\frac{3}{5}$ miles.
- Choice B is correct. **6.RP.A.1** A smaller box means a smaller IQR, indicating less spread in the middle 50% of the data.
- Choice D is correct. **6.SP.B.5** The new median depends on the actual distribution. Removing extremes does not guarantee the new 5th value is still 55.
- Choice A is correct. **6.SP.B.4** Each temperature appears exactly once in the data, so there is no mode (or all are modes).
- The correct answer is 4. **6.NS.C.8** The points share the same y -coordinate (3). The distance is $|6 - 2| = 4$ units.
- Choice A is correct. **6.NS.A.1** 20% of 200 is $0.20 \times 200 = 40$ items.
- Choice A is correct. **6.RP.A.3** Q1 to Q3 contains the middle 50% of data. The range is $95 - 45 = 50$; not all scored above 78 (median); IQR = $88 - 65 = 23$, which matches choice D. But A is the best description of what the box represents.
- Choice B is correct. **6.G.A.1** Width: $7 - 1 = 6$ units. Height: $3 - 1 = 2$ units. Area = $6 \times 2 = 12$ square units.
- Choice D is correct. **6.SP.A.2** IQR = $Q3 - Q1 = 20 - 10 = 10$.
- Choice C is correct. **6.SP.B.5c** Maximum = 18, minimum = 12. Range = $18 - 12 = 6$ inches.
- Choice C is correct. **6.SP.B.4** The data peaks around 2 siblings and has a longer tail extending to the left (toward 0 siblings). This is a left-skewed distribution.
- Choice B is correct. **6.NS.B.3** Red pens = 12. Total pens = 40. Probability = $\frac{12}{40} = \frac{3}{10}$.
- Choice A is correct. **6.EE.A.1** Exponent first: $3^2 = 9$. Then multiply: $9 \times 2 = 18$. Finally subtract: $18 - 4 = 14$.
- Choice A is correct. **6.EE.A.2c** Substitute: $4(1) + 3(2) - 2(3) = 4 + 6 - 6 = 4$.
- Choice C is correct. **6.EE.A.3** Combine like terms: $5x + 2x = (5 + 2)x = 7x$.
- Choice D is correct. **6.EE.B.8** "At most" means "less than or equal to," so the inequality is $T \leq 32$.
- Choice C is correct. **6.EE.C.9** Hours parked (independent) determines cost (dependent). Cost increases by \$5 for each additional hour. The equation is $c = 5h$.
- Choice D is correct. **6.G.A.2** $V = 4 \times 3.5 \times 2 = 14 \times 2 = 28 \text{ in}^3$.
- The correct answer is Both coordinates are positive. **6.NS.C.8** In Quadrant I (upper right), the x -coordinate is always positive (A is correct) and the y -coordinate is always positive (C is correct). Statement B is false because $y > 0$ in Quadrant I. Statement D is not always true. Statement E is false because Quadrant I is upper right, not lower right.
- The correct answer is 4. **6.NS.B.3** $-8 - (-12) = -8 + 12 = 4$. Subtracting a negative integer is equivalent to adding its positive opposite.
- Choice D is correct. **6.RP.A.1** The scale says every 1 cm on the map represents 10 km in real life. For 5 cm, multiply $5 \times 10 = 50$ km.
- Choice C is correct. **6.RP.A.3** Roses are the 5-part amount. Since $40 \div 5 = 8$, each part is worth 8 flowers, and tulips are 8 parts: $8 \times 8 = 64$.
- Choice D is correct. **6.RP.A.3d** Divide feet by hours: $78 \div 6 = 13$ feet per hour.
- Choice B is correct. **6.RP.A.3b** $10 \div \frac{3}{2} = 10 \times \frac{2}{3} = \frac{20}{3} \approx 6.67$ mph.
- Choice A is correct. **6.RP.A.3** The ratio is 5 : 3. When soybeans are 9 (multiply by 3), corn is $5 \times 3 = 15$ acres.
- Choice C is correct. **6.RP.A.3a** The unit rate is $40 \div 5 = 8$ calories per minute. Check (25, 190): $25 \times 8 = 200 \neq 190$. All other points satisfy $y = 8x$.



Scan me!
For more practice
& answers

Lab Notes for a Young Scientist

Hi, Curious Scientist!

◇ 7 tests. So many experiments! You tested ideas. You watched what worked. You learned a lot. That's how scientists work—and how you work! ◇

★ **Scientists know:** mistakes are facts, not failures. Every problem you missed taught you something. You used those facts to do better next time. ★

Lab Results

- **Hypothesis:** CONFIRMED! Practice makes you better.
- **Method:** STRONG! You try, watch, and adjust.
- **Data:** CAREFUL! You read and copy numbers right.
- **Conclusion:** READY! You can do this test.

Scientist tip: on test day, stay curious. Ask, "What is this asking?" Then experiment with your math tools. You will find the answer!

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

Jay Daie

Your Math Scientist

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