

3

Washington

Smarter Balanced

GRADE

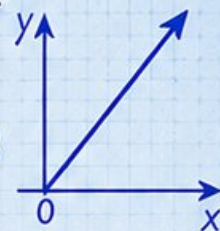
6

MATH

PRACTICE TESTS

Standards Aligned Problem Solving
For Comprehensive Assessment Programs

$$y = 2x + 3$$



$$\frac{3}{5} + \frac{2}{10} = \frac{8}{10} = \frac{4}{5}$$

$$36\% \text{ of } 150 = ?$$



3 | PRINTED TESTS



2 | ONLINE TESTS



Build Confidence



Master Key Math Skills



Answer Explanations for Every Question



Test-Taking Strategies That Work

USE THESE TWO
ADDITIONAL ONLINE
PRACTICE TESTS
FOR EXTRA REVIEW AFTER
THE PRINTED TESTS
IN THIS BOOK.

3 Washington Smarter Balanced Grade 6 Math Practice Tests

Standards-Aligned Evergreen Review Thinking for Smarter Balanced Assessment Consortium



Three 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!

Three focused rounds using evergreen review thinking

This book gives you three 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 three-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?

Three Smarter Balanced tests, 120 questions, and a full review path

Part	What You Will Practice
Tests 1–2	Foundation rounds for ratios, rational numbers, operations, and careful reading.
Test 3	Final stamina round for expressions, equations, geometry, data, problem models, and mixed review.
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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5) Which three representations are equivalent?

A. 0.2, $\frac{1}{5}$, and 20%

C. 0.4, $\frac{1}{5}$, and 40%

B. 0.2, $\frac{2}{5}$, and 20%

D. 0.4, $\frac{4}{10}$, and 20%

6) In a student club, the ratio of 6th graders to 7th graders is 4 : 6. If there are 12 sixth graders, how many seventh graders are in the club?

7)

Hours	1	3	5
Miles	55	165	275

Based on the table, what is the rate in miles per hour?

8) A bakery sells 6 muffins for \$9. What is the unit price per muffin in dollars?



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1) Which pair of ratios are NOT equivalent?

A. 2 : 5 and 4 : 10

C. 4 : 8 and 1 : 3

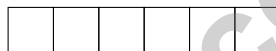
B. 3 : 7 and 6 : 14

D. 5 : 6 and 10 : 12

2) A trapezoid has bases of 12 cm and 8 cm with a height of 5 cm. What is the area?



3) Which net is a valid net for a cube?



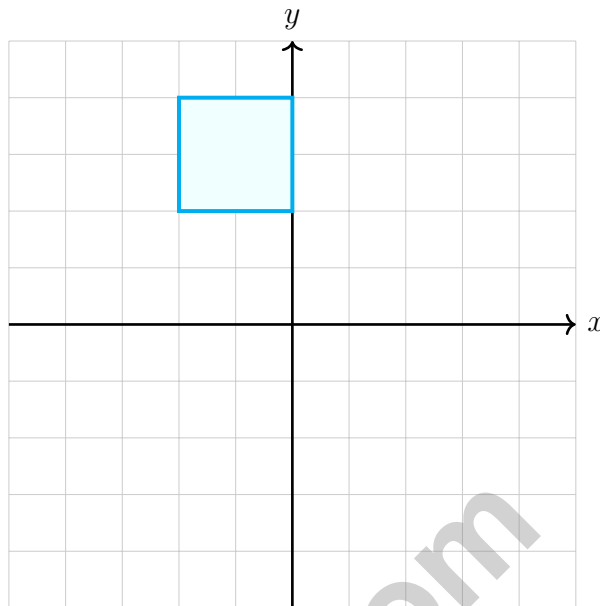
A. Yes, this straight line of 6 squares folds into a cube

C. No, there will be gaps

B. No, it will have overlapping faces

D. Yes, but only when rotated





4)

A rectangle is shown with vertices at $(-2, 2)$, $(0, 2)$, $(0, 4)$, and $(-2, 4)$. When reflected over the y -axis, what will be the image of $(-2, 4)$?

- A. $(2, 4)$ C. $(-2, 4)$
 B. $(-2, -4)$ D. $(2, -4)$

5) A circle has an approximate area of 78.5 cm^2 . If $\pi \approx 3.14$, what is the radius?

- A. 5 cm C. 12.5 cm
 B. 10 cm D. 25 cm

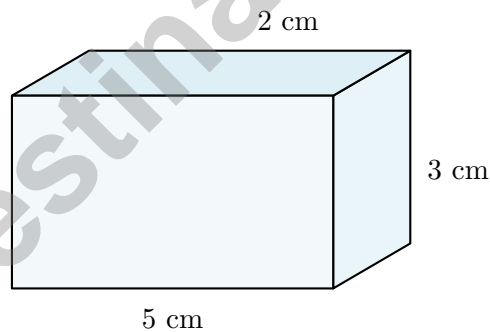
6) Which is a non-statistical question?

- A. How many inches tall are sixth graders in this school? C. What are the birth months of students in our class?
 B. How many wheels does a bicycle have? D. How much money do students spend on snacks each week?



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- 1) A toy dinosaur model is 10 cm tall. The scale is 1 cm = 0.8 m. How tall is the actual dinosaur?
- A. 4 m C. 8 m
 B. 6 m D. 10 m
- 2) If you need a triangle with area 120 m^2 and height 15 m, what base is required?
- A. 8 m C. 20 m
 B. 30 m D. 16 m
- 3) A trapezoid has an area of 48 m^2 and a height of 6 m. One base is 5 m long. What is the length of the other base?
- A. 5 m C. 11 m
 B. 8 m D. 16 m



4)

What is the volume of the rectangular prism?

- A. 10 cm^3 C. 30 cm^3
 B. 15 cm^3 D. 50 cm^3



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 three 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.SP.A.2** Range = Max – Min = $90 - 70 = 20$.
- Choice A is correct. **6.EE.A.2a** “The difference of c and 2” is $(c - 2)$. “9 divided by” that difference requires parentheses in the denominator: $\frac{9}{c - 2}$.
- Choice A is correct. **6.SP.B.5c** For 6 values, the median is between positions 3 and 4 (values 8 and 10, median = 9). Lower half: 4, 6, 8. Q1 = 6. Upper half: 10, 12, 14. Q3 = 12.
- Choice A is correct. **6.RP.A.3a** On the graph with gallons on the x-axis and plants on the y-axis, the point (1, 4) means 1 gallon (x-value) corresponds to 4 plants watered (y-value). This shows the unit rate: 4 plants per gallon.
- Choice A is correct. **6.RP.A.3c** $\frac{1}{5} = 0.2 = 20\%$. All three representations equal the same value.
- The correct answer is 18. **6.RP.A.3** The ratio of sixth graders to seventh graders is 4 : 6, which simplifies to 2 : 3. If 2 parts are 12 students, each part is 6, so seventh graders are $3 \times 6 = 18$.
- The correct answer is 55 miles per hour. **6.RP.A.3d** Divide miles by hours: $55 \div 1 = 55$ miles per hour (or $165 \div 3 = 55$).
- The correct answer is \$1.50. **6.RP.A.3b** $\$9 \div 6 = \1.50 per muffin. Accept 1.5 as equivalent.
- Choice C is correct. **6.RP.A.3c** 45% of 120 = $0.45 \times 120 = 54 \text{ m}^2$.
- Choice D is correct. **6.RP.A.3** Unit rate: $45 \div 3 = 15$ dollars per hour. Verify: $90 \div 6 = 15$ and $135 \div 9 = 15$.
- Choice A is correct. **6.RP.A.3d** Use 1 m = 100 cm and 1 m = 1,000 mm. So $3 \times 100 = 300$ cm and $3 \times 1,000 = 3,000$ mm.
- Choice C is correct. **6.NS.C.7d** After taxes: $\$2000 \times (1 - 0.15) = \$2000 \times 0.85 = \$1700$. Savings: 20% of $\$1700 = 0.20 \times 1700 = \340 .
- Choice D is correct. **6.NS.C.7d** Graph 1 passes through the origin and has constant ratio $8/4 = 2$, so it is proportional. Graph 2 is not proportional because the ratios are different: $3/1 = 3$ but $5/2 = 2.5$.
- Choice A is correct. **6.EE.C.9** Total expenses: $\$1200 + \$500 = \$1700$. Remaining: $\$2000 - \$1700 = \$300$.
- Choice D is correct. **6.RP.A.3** Divide: 54 feet \div 18 inches = 3 feet per inch.
- Choice A is correct. **6.NS.A.1** The correct answer is $\frac{4}{9} \times \frac{9}{2} = \frac{36}{18} = 2$. The student calculated $\frac{4}{9} \times \frac{2}{9} = \frac{8}{81}$.
- Choice A is correct. **6.NS.B.2** $6,292 \div 34 = 185$ remainder 2. Since the remainder is small, it rounds down to 185.
- Choice A is correct. **6.NS.B.3** Divide: $2.4 \div 4 = 0.6$ meters. Each piece is 0.6 meters long.
- Choice D is correct. **6.NS.B.4** This is a GCF problem. The GCF of 16 and 24 is 8. So they can distribute into 8 bins with 2 soccer balls and 3 basketballs in each.
- Choice C is correct. **6.NS.B.4** Find GCF(54, 72). Factors of 54: 1, 2, 3, 6, 9, 18, 27, 54. Factors of 72: 1, 2, 3, 4, 6, 8, 9, 12, 18, 24, 36, 72. GCF is 18. Each student gets 3 pencils and 4 erasers.
- The correct answer is Girls to boys is 10 : 15 = 2 : 3 (Choice A is correct). Boys to total is 15 : 25 = 3 : 5 (Choice B is correct).. **6.RP.A.1** Choice A is correct because girls to boys is 10 : 15, which simplifies to 2 : 3. Choice B is correct because boys to total is 15 : 25, which simplifies to 3 : 5. The other choices either flip the order, swap which group is named first, or use the wrong total (10 girls out of 25 students is 2 : 5, not 1 : 3).
- Choice B is correct. **6.NS.C.5** A loss is a negative change. Losing 15 yards means the team moved 15 yards backward, represented by the integer -15 .
- Choice D is correct. **6.NS.C.7c** Both $|9| = 9$ and $|-9| = 9$, so x could be either value.
- Choice C is correct. **6.NS.C.6c** Distance = $\frac{3}{4} - (-\frac{1}{4}) = \frac{3}{4} + \frac{1}{4} = \frac{4}{4} = 1$.



Scan me!
For more practice
& answers

Star Player Pep Talk

Hi, Star Player!

◇ 3 practice tests. Every one of them was a chance to grow. You took every chance. That's why you're a math star today! ◇

★ **Star players know:** confidence comes from practice. You can't fake it. You build it. You built yours over 3 tests. It's real now! ★

Star Player Stats

- **Practice:** OFF THE CHARTS!
- **Skills:** BROAD! You can do many problem types.
- **Toughness:** HIGH! You don't quit on hard problems.
- **Game Plan:** READY! You know your strategies.

Star tip: on test day, take it one play at a time. One problem. Then the next. You will earn your stars!

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

Jay Daie

Your Math Coach

PRACTICE TODAY. SUCCEED TOMORROW!

This book includes 3 full-length Math practice tests and 2 online tests to help Grade 6 students build confidence, strengthen skills, and excel on standardized assessments.

Each practice test is carefully crafted to reflect the latest standards and includes a variety of question types, realistic test conditions, and detailed answer explanations.

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

THIS BOOK INCLUDES:

- 3 Full-Length Printed Tests
 - 2 Online Practice Tests
-  Detailed Answer Explanations

MORE PRACTICE. GREATER RESULTS.

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

WHAT YOU'LL 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 with clear explanations and meaningful practice.



Test Confidence

Familiarize 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

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



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