

Washington

Smarter Balanced

GRADE 6

MATH

PRACTICE TESTS

Standards Aligned Problem Solving
For Comprehensive Assessment Programs



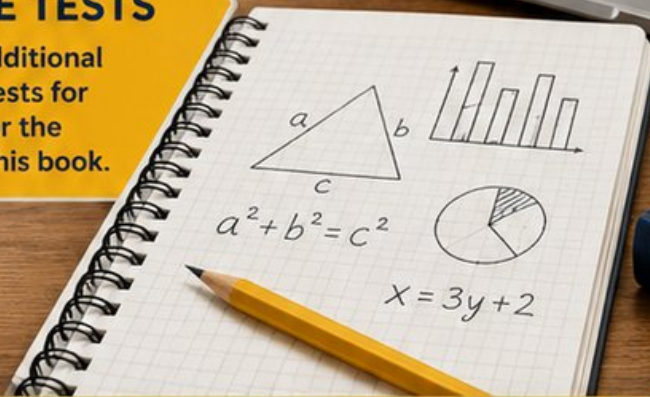
5 PRINTED TESTS

- ✓ Full-Length Practice Tests
- ✓ Realistic Questions
- ✓ Answer Key & Explanations



+ 2 ONLINE TESTS

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



PREPARE • PRACTICE • SUCCEED



5 Washington Smarter Balanced Grade 6 Math Practice Tests

Standards-Aligned Evergreen Review Thinking for Smarter Balanced Assessment Consortium



Five 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.

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Welcome, Washington Math Explorer!

Eight focused rounds using evergreen review thinking

This book gives you five 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 five-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 1–2	Foundation rounds for ratios, rational numbers, operations, and careful reading.
Tests 3–4	Skill-building rounds with expressions, equations, geometry, data, and problem models.
Test 5	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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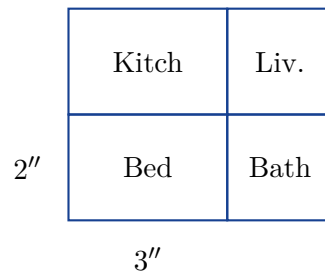
- 1) A grocery store sells 8 pounds of rice for \$12. What is the unit price in dollars per pound?
- A. \$1.50 per pound C. \$2.00 per pound
 B. \$1.25 per pound D. \$3.00 per pound
- 2) Which of the following ratios is in simplest form?
- A. 8 : 12 C. 10 : 15
 B. 6 : 9 D. 5 : 7
- 3) A truck delivers 840 packages in a 7-hour shift. If the truck continues at this rate, how many packages will it deliver in a 10-hour shift?
- A. 847 packages C. 1000 packages
 B. 1400 packages D. 1200 packages
- 4) A swimming pool needs chlorine. The ratio of chlorine to water is 2 to 50. Complete the table:

Chlorine (oz)	Water (gal)
2	50
4	100
6	?

- A. 120 C. 180
 B. 150 D. 200

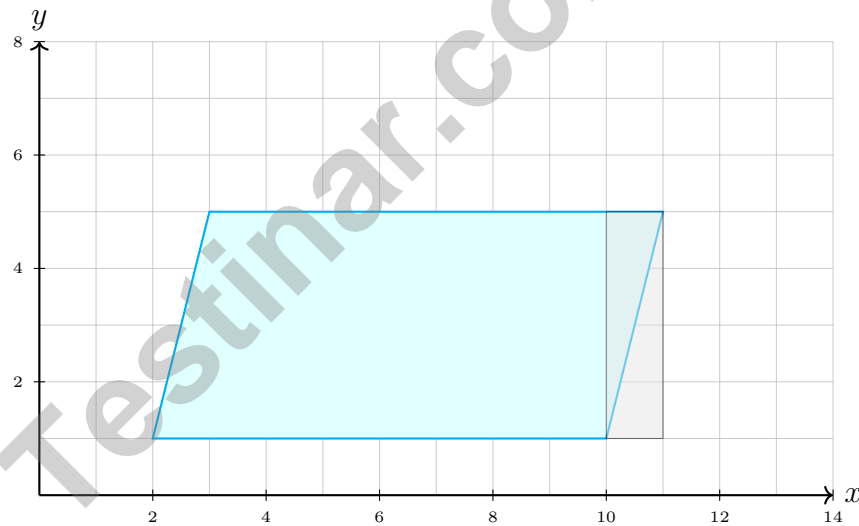


5) Below is a floor plan of a small house with a scale of 1 inch = 8 feet.



What is the actual length of the bedroom (shown as 3 inches in the drawing)?

- A. 16 feet
- B. 20 feet
- C. 24 feet
- D. 32 feet



6)

A trapezoid has parallel sides (bases) of 8 units and 8 units, with a height of 4 units. What is its area?

- A. 28 square units
- B. 32 square units
- C. 36 square units
- D. 40 square units



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7) Find the mean of 48, 50, 52, 49, 51, 50, 48. Round to the nearest tenth.

8) The image shows counters arranged to show the ratio of blue to red.



3 blue, 2 red

Which statement describes this ratio correctly?

- A. For every 3 blue there is 1 red. C. For every 2 blue there are 3 red.
 B. For every 5 blue there are 2 red. D. For every 3 blue there are 2 red.

9) A graph shows earnings from mowing lawns. The relationship is linear, and the point (3, 45) is on the line. If the origin (0, 0) is also on the line, what is the constant rate of pay per lawn?

- A. \$12 per lawn C. \$20 per lawn
 B. \$15 per lawn D. \$45 per lawn

10) Write 0.005 as a percent.

- A. 0.5% C. 50%
 B. 5% D. 500%



- 1) A trapezoid-shaped roof overhang has parallel edges of 4 m and 6 m with a perpendicular distance of 2 m between them. What is the area of the overhang?
- A. 10 m^2 C. 20 m^2
 B. 12 m^2 D. 24 m^2

- 2) Compute $-18 \div (-3)$.

- 3) Which question would produce the MOST variability in answers?
- A. What time does lunch start at your school?
 B. How many legs do dogs have?
 C. What year was the Statue of Liberty built?
 D. How many siblings do you have?
- 4) A library tracks borrowing patterns for fiction books. The checkout times (days) for 12 books are: 5, 7, 7, 8, 9, 10, 11, 12, 14, 15, 18, 25. Which measure should the librarian use to decide the typical checkout duration?
- A. Mean, to include all books
 B. Range, to see the spread
 C. Mode, because most books are returned
 D. Median, because the 25-day outlier is unrepresentative



1) Compare -1.2 and -1.5 . Which is true?

A. $-1.2 < -1.5$

C. $-1.2 = -1.5$

B. $-1.2 > -1.5$

 D. They are opposites

2) The mean of three numbers is 15. If two of the numbers are 12 and 18, what is the third?

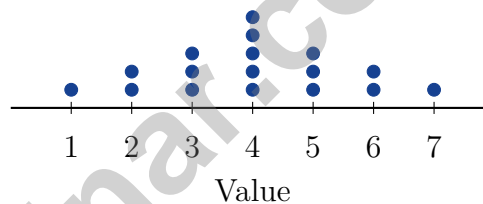
A. 12

C. 18

B. 24

D. 15

3) A dot plot represents data with a clear peak at one value, with frequencies gradually decreasing on both sides. Which term best describes this shape?

 A. Bimodal C. Skewed left B. Symmetric D. Skewed right

4) In a box plot, what does the left edge of the box represent?

 A. The minimum C. The median B. Q_1 D. The mean

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& answers

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

Practice Test 1 Answers and Explanations

- Choice A is correct.** **(6.RP.A.3b)** Unit price is total cost divided by number of units: $\$12 \div 8 = \1.50 per pound.
- Choice D is correct.** **(6.RP.A.1)** A ratio is in simplest form when the two numbers have no common factor greater than 1. The numbers 5 and 7 share no common factor except 1, so $5 : 7$ is already simplified.
- Choice D is correct.** **(6.RP.A.3d)** First find the unit rate: $840 \div 7 = 120$ packages per hour. Then multiply by 10 hours: $120 \times 10 = 1200$ packages.
- Choice B is correct.** **(6.RP.A.3)** The ratio is $2 : 50$ or $1 : 25$. For 6 oz of chlorine: $6 \times 25 = 150$ gallons.
- Choice C is correct.** **(6.RP.A.3)** Use the scale: $3 \text{ inches} \times 8 \text{ feet/inch} = 24 \text{ feet}$.
- Choice B is correct.** **(6.G.A.1)** Area of a trapezoid $= \frac{1}{2}(b_1 + b_2) \times h = \frac{1}{2}(8 + 8) \times 4 = \frac{1}{2} \times 16 \times 4 = 32$ square units.
- The correct answer is 49.7.** **(6.SP.B.5)** The sum is 348, and $348 \div 7 \approx 49.7$.
- Choice D is correct.** **(6.RP.A.3)** Count the counters in the order named: 3 blue and 2 red. That gives $3 : 2$, so the matching language is “for every 3 blue there are 2 red.”
- Choice B is correct.** **(6.RP.A.3a)** If lawns mowed is on the x-axis and dollars earned is on the y-axis, the unit rate is $\frac{45}{3} = 15$ dollars per lawn.
- Choice A is correct.** **(6.RP.A.3c)** $0.005 \times 100 = 0.5\%$.
- Choice C is correct.** **(6.RP.A.3c)** 25% of \$40 is $0.25 \times 40 = \$10$. Sale price is $\$40 - \$10 = \$30$.
- Choice D is correct.** **(6.RP.A.3)** Triple the recipe: orange $2 \times 3 = 6$ cups, apple $3 \times 3 = 9$ cups, water $1 \times 3 = 3$ cups.
- Choice B is correct.** **(6.RP.A.3d)** Multiply: $2 \times 8 = 16$ pints.
- Choice A is correct.** **(6.NS.C.7d)** Alex: $\frac{\$100}{\$500} = 0.20 = 20\%$. Jordan: $\frac{\$75}{\$400} = 0.1875 = 18.75\%$. Alex saves a higher percentage.
- Choice B is correct.** **(6.NS.C.7d)** Using $d = 60t$ with $t = 2.5$: $d = 60 \times 2.5 = 150$ miles.
- Choice A is correct.** **(6.EE.C.9)** Selling price: $\$80 + 25\%$ of $\$80 = \$80 + \$20 = \100 .
- Choice B is correct.** **(6.NS.A.1)** $5 \div \frac{5}{6} = 5 \times \frac{6}{5} = \frac{30}{5} = 6$.
- The correct answer is 5.** **(6.SP.B.4)** Fewer than 110 pages: 102, 105, 108, so 3 students. At least 110 pages: 110, 113, 116, 119, 121, 124, 127, 128, so 8 students. The difference is $8 - 3 = 5$.
- The correct answer is $\frac{1}{6}$.** **(6.NS.A.1)** The fraction is $60^\circ / 360^\circ = 1/6$.
- Choice D is correct.** **(6.NS.B.3)** 0.5 has 1 place and 0.04 has 2 places, giving $1 + 2 = 3$ places total: 0.020.
- Choice A is correct.** **(6.NS.B.4)** When we divide 20 by each number: $20 \div 1 = 20$, $20 \div 2 = 10$, $20 \div 4 = 5$, $20 \div 5 = 4$, $20 \div 10 = 2$, $20 \div 20 = 1$. All these are factors.
- The correct answer is A statistical question anticipates variability and is answered by collecting data.** **(6.SP.A.2)** Options B and C are correct: statistical questions expect varied answers and require data collection. Option A is wrong (statistical questions do NOT have single answers). Option D is irrelevant (statistical questions can be about unfamiliar topics). Option E partially overlaps with B and C but is less precise.
- Choice A is correct.** **(6.NS.B.4)** Distributive property: $11(2 + 5) = 11 \cdot 2 + 11 \cdot 5 = 22 + 55 = 77$. Choice A shows the expanded form before combining.
- The correct answer is 16.** **(6.RP.A.3)** Range is maximum minus minimum: $94 - 78 = 16$.
- Choice D is correct.** **(6.NS.C.5)** The integers -7 and 7 satisfy all three conditions: they are each 7 units from zero, they are opposites, and they are on opposite sides of zero.
- Choice D is correct.** **(6.NS.C.7c)** Opposites have equal absolute values. $|-8| = 8$ and $|8| = 8$, so $8 + 8 = 16$.



Hi, Brave Explorer!

◇ What a trip! You explored 5 full tests. You went to many math places: multiplication, fractions, area, time, and more. ◇

★ **Smart explorers know:** every trip teaches something. Through 5 tests, you learned a lot. You are a stronger math explorer now. ★

Your Explorer Tools

- **Map Reading:** You read problems carefully.
- **Trail Skills:** You take steps in the right order.
- **Backpack:** You have many math tools.
- **Brave Heart:** You explore even hard problems.

Explorer tip: on test day, use the tools you packed. You have the skills. You are ready!

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

Jay Daie

Your Math Trail Guide

PRACTICE MORE. ACHIEVE MORE.

This book provides **5 full-length Math practice tests** designed to help Grade 6 students strengthen their skills, build confidence, and excel on standardized assessments.

Each test is carefully crafted to reflect the latest standards and covers a wide range of math topics with realistic questions and detailed answer explanations.



BUILD CONFIDENCE

Practice builds familiarity and reduces test anxiety.



IMPROVE ACCURACY

Sharpen skills and avoid common mistakes.



ACHIEVE SUCCESS

Consistent practice leads to greater results.

WHAT'S INSIDE?



5 Full-Length Practice Tests

Realistic tests designed to mirror actual exam conditions.



Realistic Questions

A variety of question types to strengthen problem-solving skills.



Answer Keys & Explanations

Detailed solutions to help students learn and improve.



Performance Tracking

Track progress and identify areas that need improvement.



Comprehensive Coverage

All essential topics aligned with Grade 6 math standards.



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FOR MORE PRACTICE TESTS AND LEARNING RESOURCES



PRACTICE
REGULARLY



STAY
FOCUSED



SOLVE
CONFIDENTLY



SUCCEED
BRIGHTLY

PREPARE TODAY. **SUCCEED TOMORROW!**