

5 Connecticut Smarter Balanced Grade 4 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Five complete 30-question Grade 4 practice rounds for Smarter Balanced, built around harbor towns, library corners, and careful notebook work, with answer keys and clear explanations for every item.

Jay Daie and Reza Nazari



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Welcome, Connecticut Math Explorer!

Five steady rounds on the Constitution State math route

This book gives you five full Grade 4 practice tests for Smarter Balanced. Each round uses harbor towns, library corners, and careful notebook work to keep practice memorable while you read carefully, choose a strategy, show work, and check the answer.

Connecticut 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 Connecticut Smarter Balanced 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 Constitution 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?

Five tests, 150 questions, and a full Smarter Balanced review path

Part	What You Will Practice
Tests 1–3	Warm-up rounds for reading carefully, choosing operations, and using models.
Tests 3–5	Skill-building rounds with fractions, measurement, area, data, and two-step problems.
Tests 3–5	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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& answers

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- 1) Ava has 5 necklaces. Each necklace has $\frac{2}{3}$ meter of beads. How many meters of beads does Ava have in total?
- A. $\frac{2}{15}$ meter C. $3\frac{1}{3}$ meters
 B. $\frac{5}{3}$ meters D. $\frac{2}{8}$ meter
- 2) Which statement about a square and a regular hexagon is true?
- A. Both have 4 lines of symmetry D. A hexagon has fewer lines than a square
 B. Both have 6 lines of symmetry
 C. They have different numbers of lines of symmetry
- 3) A clothing store received 2,736 buttons in a shipment. They sew an equal number of buttons on 6 different shirts. How many buttons go on each shirt?
- A. 454 C. 456
 B. 444 D. 434
- 4) Round 9,987 to the nearest thousand. (This is a rollover case.)
- A. 9,000 C. 9,900
 B. 9,987 D. 10,000
- 5) A rectangle has an area of 56 square centimeters. The width is 7 centimeters. What is the length?
- A. 6 cm C. 8 cm
 B. 7 cm D. 9 cm



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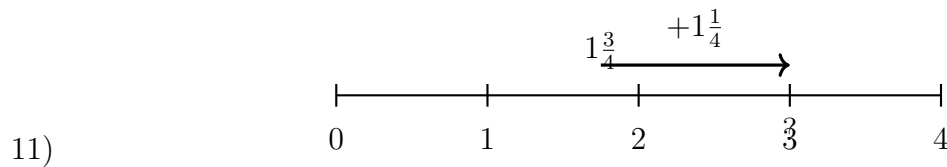
6) Count the multiples of 8 between 1 and 60 using the table:

8	16	24	32
40	48	56	next is 64

How many multiples of 8 are there up to 60?

- A. 6 C. 8
 B. 9 D. 7
- 7) A line plot shows pencil weights in eighths of an ounce. There are 1 pencil at $\frac{1}{8}$, 3 pencils at $\frac{2}{8}$, and 2 pencils at $\frac{3}{8}$. What is the total number of pencils?
- A. 3 C. 5
 B. 4 D. 6
- 8) A kitchen has 240 ounces of rice to divide equally among 4 storage bins. How many ounces of rice go in each bin?
- A. 60 ounces C. 120 ounces
 B. 80 ounces D. 240 ounces
- 9) Which symbol makes this true? $456,100 \square 456,099$
- A. $<$ C. $=$
 B. Cannot compare D. $>$
- 10) Keisha ran $\frac{5}{6}$ lap, Liam ran $\frac{3}{4}$ lap, and Mila ran $\frac{4}{5}$ lap. Who ran the shortest distance?





Using the number line, what is $1\frac{3}{4} + 1\frac{1}{4}$?

- A. 3
- B. $2\frac{3}{4}$
- C. $2\frac{1}{4}$
- D. $3\frac{1}{4}$
- 12) A watermelon weighs 6 kilograms. How many grams does it weigh?
- A. 60
- B. 600
- C. 6,000
- D. 60,000
- 13) An angle of 150° is split into two parts. One part measures 85° . What does the other part measure?
- A. 65°
- B. 75°
- C. 235°
- D. 85°
- 14) Which TWO statements are true about all rectangles?
- A. All four sides are equal in length.
- B. Opposite sides are equal in length.
- C. All four angles are right angles.
- D. There is exactly one pair of parallel sides.
- E. There are no parallel sides.



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1)

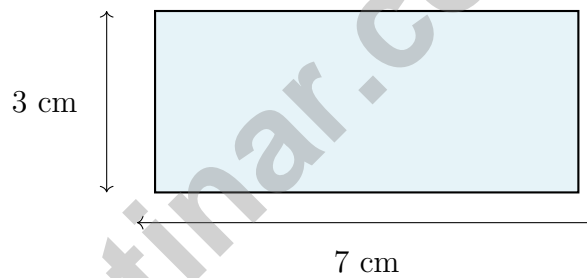


This bar shows $\frac{3}{4}$ yard of ribbon shaded. If you take 2 ribbons like this, how many yards of ribbon do you have?

- A. $\frac{6}{4}$ yards (or $1\frac{1}{2}$ yards) C. $\frac{5}{4}$ yards
 B. $\frac{3}{4}$ yard D. $\frac{2}{4}$ yard

2) In the number 3,456, the digit 5 is in which place?

- A. Ones place C. Hundreds place
 B. Thousands place D. Tens place



3)

What is the area of the rectangle shown above?

- A. 10 sq cm C. 21 sq cm
 B. 20 sq cm D. 28 sq cm

4) Subtract: $32,105 - 14,237 = ?$

- A. 17,868 C. 17,668
 B. 18,868 D. 17,968



5) At a bake sale, $\frac{7}{12}$ of the cookies were sold in the morning. In the afternoon, $\frac{3}{12}$ more were sold. How much remains unsold?

A. $\frac{4}{12}$

B. $\frac{10}{12}$

C. $\frac{2}{12}$

D. $\frac{12}{12}$

6) Which expression equals $\frac{7}{10}$?

A. $3 \times \frac{1}{10}$

B. $7 \times \frac{1}{10}$

C. $10 \times \frac{1}{7}$

D. $\frac{1}{7} \times \frac{1}{10}$

7) A hand sweeps clockwise from 12 to 9 on a clock. How many degrees did it sweep?

A. 90°

B. 180°

C. 270°

D. 360°

8) If an angle is NOT acute and is NOT obtuse, what could it be?

 A. Only right B. Only straight C. Right or straight D. It must be acute

9) What is $3\frac{2}{10} - 1\frac{4}{10}$?

A. $1\frac{4}{10}$

B. $1\frac{5}{10}$

C. $1\frac{6}{10}$

D. $1\frac{8}{10}$

10) Round 56,841 to the nearest thousand.

A. 56,000

B. 60,000

C. 56,800

D. 57,000



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1) Which number sentence is correct?

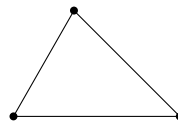
A. $\frac{1}{4} + \frac{1}{4} + \frac{1}{4} = \frac{3}{12}$

B. $\frac{1}{4} + \frac{1}{4} + \frac{1}{4} = \frac{3}{4}$

C. $\frac{1}{3} + \frac{1}{3} + \frac{1}{3} = \frac{3}{9}$

D. $\frac{1}{6} + \frac{1}{6} = \frac{2}{12}$

2) Look at the triangle. All three sides have different lengths. What type is it?



All sides have
different lengths
(no tick marks)

A. Scalene triangle

B. Isosceles triangle

C. Equilateral triangle

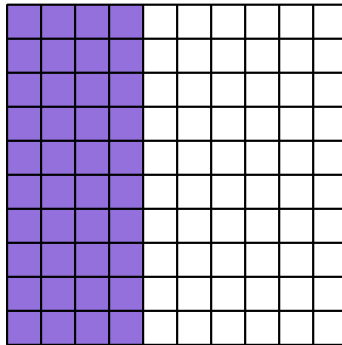
D. Acute triangle

3) A library had 15,000 books. After a donation, they received 4,567 more books. How many books does the library have now?



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4) Approximately what decimal is represented by the shaded portion?



A. 0.40

C. 0.44

B. 0.04

D. 0.60

5) Look at the numbers: 1,111, 2,222, 3,333. In each number, the value of the digit in the thousands place is how many times the value of the digit in the hundreds place?

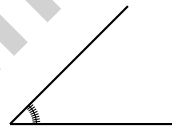
A. 1 time

C. 100 times

B. Equal

D. 10 times

6)



This angle shows tick marks from 0 to 45. What is the measure?

A. 44°

C. 46°

B. 45°

D. 90°



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

- Choice C is correct.** (4.NF.B.4) We multiply the whole number by the fraction. Ava has 5 necklaces, each with $\frac{2}{3}$ meter of beads: $5 \times \frac{2}{3} = \frac{10}{3}$ meters, which is $3\frac{1}{3}$ meters.
- Choice C is correct.** (4.G.A.3) A square balances 4 ways and a regular hexagon balances 6 ways. Since 4 and 6 are different, these shapes don't have the same number of lines of symmetry. The answer is They have different numbers of lines of symmetry.
- Choice C is correct.** (4.NBT.B.6) Divide: $27 \div 6 = 4$ r3, bring down the 3 to get $33 \div 6 = 5$ r3, bring down the 6 to get $36 \div 6 = 6$. Each shirt gets **456** buttons.
- Choice D is correct.** (4.NBT.A.3) We're rounding to the nearest thousand. Look at the hundreds digit: $9 \geq 5$, so round UP! But 9 becomes 10—a rollover! So $9,987 \rightarrow$ **10,000**. ✓
- Choice C is correct.** (4.MD.A.3) From area = $\ell \times w$: $56 = \ell \times 7$. Divide: $\ell = 56 \div 7 = 8$ cm.
- Choice D is correct.** (4.OA.B.4) Read across the table: 8, 16, 24, 32, 40, 48, 56. The next one (64) is over 60, so we stop. Count: **7** multiples of 8 up to 60.
- Choice D is correct.** (4.MD.B.4) Add up all the pencils: $1 + 3 + 2 =$ **6** pencils in total.
- Choice A is correct.** (4.MD.A.2) There are 240 ounces of rice to divide equally into 4 bins. Divide: $240 \div 4 = 60$ ounces. Each bin gets **60** ounces.
- Choice D is correct.** (4.NBT.A.2) Comparing left to right: hundred-thousands, ten-thousands, and thousands are the same. Hundreds: $1 > 0$, so $456,100 > 456,099$ ✓
- The correct answer is Liam.** (4.NF.A.1) Use denominator 60: $\frac{3}{4} = \frac{45}{60}$, $\frac{4}{5} = \frac{48}{60}$, $\frac{5}{6} = \frac{50}{60}$. Since $45 < 48 < 50$, Liam ran the shortest distance.
- Choice A is correct.** (4.NF.B.3) Start at $1\frac{3}{4}$ and jump right by $1\frac{1}{4}$. Add the wholes: $1 + 1 = 2$. Add the fractions: $\frac{3}{4} + \frac{1}{4} = \frac{4}{4} = 1$. Combine: $2 + 1 =$ **3**.
- Choice C is correct.** (4.MD.A.1) 1 kilogram = 1,000 grams. So $6 \text{ kg} = 6 \times 1,000 = 6,000$ g.
- Choice A is correct.** (4.MD.C.7) To find the missing part, subtract what you know from the whole angle: $150^\circ - 85^\circ =$ **65**°.
- The correct answer is B, C.** (4.G.A.2) For statements about rectangles: B is correct because opposite sides in a rectangle are always equal in length. C is correct because all four angles in a rectangle measure 90 degrees. Statement A is false (only opposite sides must be equal, not all four). Statement D is false (rectangles have two pairs of parallel sides, not one). Statement E is false (rectangles have parallel sides). The answer is B and C.
- Choice D is correct.** (4.NBT.B.4) Subtract by place value. No regrouping is needed. The answer is **4,444**.
- The correct answer is 9.** (4.NBT.A.1) Count from the right: ones, tens, hundreds, thousands. The tens place is the second digit from the right, which is **9**. ✓
- Choice B is correct.** (4.NF.C.5) We can convert $\frac{8}{10}$ to a fraction with denominator 100 by multiplying both parts by 10: $\frac{8}{10} = \frac{80}{100}$.
- Choice A is correct.** (4.NF.B.4) Noah walks $\frac{2}{8}$ mile per day for 4 days. Multiply: $4 \times \frac{2}{8} = \frac{4 \times 2}{8} = \frac{8}{8} = 1$ mile. The answer is 1 mile.
- The correct answer is 24.** (4.OA.A.1) "4 times as many" tells us to multiply. The cousin has $6 \times 4 =$ **24** trains.
- Choice A is correct.** (4.NF.A.1) Check option A: $\frac{3}{4} = \frac{3 \times 3}{4 \times 3} = \frac{9}{12}$ ✓ True! The others fail: B gives $\frac{2}{5} = \frac{8}{20}$ (not $\frac{4}{12}$), C gives $\frac{1}{4} = \frac{3}{12}$ (not $\frac{2}{12}$), and D is clearly false.
- Choice D is correct.** (4.OA.A.2) "2 times as many" is a multiplication clue. Noah's sister has 2 groups of 7 crayons: $2 \times 7 = 14$ crayons.
- Choice C is correct.** (4.G.A.1) Count each arrow — each one is a ray that starts at point X and shoots off in a different direction. Three arrows means three rays!
- Choice D is correct.** (4.OA.B.4) The word "add 7" tells us the rule. Check: $14 - 7 = 7$, $21 - 14 = 7$. Each increases by 7 (multiples of 7). ✓
- Choice B is correct.** (4.MD.C.6) This angle is tiny—it opens just 7° from the baseline. Reading 173° would be confusing the inner and outer scales. A common mistake is to read the wrong scale when an angle is very small or very large. The answer is no, about 7 degrees.



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

5 PRACTICE TESTS. BUILD SKILLS. BOOST CONFIDENCE!

This **Grade 4 Math Practice Tests** book is designed to help students master essential math concepts, improve problem-solving skills, and build the confidence they need to excel.

With 5 full-length practice tests, a variety of question types, and detailed answer explanations, students get the practice they need to understand math, strengthen critical thinking, and perform their best on test day and beyond.

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

PERFECT FOR:

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

★ CONFIDENCE TODAY.
SUCCESS 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.



Test Confidence

Become familiar with test-style questions and formats.



Track Progress

Measure growth across multiple practice tests.



Master Key Concepts

Reinforce important skills aligned with grade-level standards.



Prepare for Success

Build the confidence needed to do your best on test day.

TOPICS COVERED

- ✓ Place Value & Number Sense
- ✓ Addition & Subtraction
- ✓ Multiplication & Division
- ✓ Fractions & Equivalent Fractions
- ✓ Decimals
- ✓ Geometry & Measurement
- ✓ Perimeter & Area
- ✓ Data, Graphs & Line Plots
- ✓ Patterns & Algebraic Thinking
- ✓ Word Problems
- ✓ And More!



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Build Confidence and Skills



Mixed Question Types



Answer Key Included

