

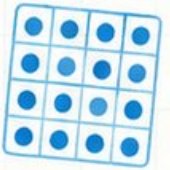
10

$$7 \times 8 = 56$$

$$\begin{array}{r} 32 \\ \times 6 \\ \hline 192 \end{array}$$



$$\frac{3}{4}$$



Connecticut



Smarter Balanced



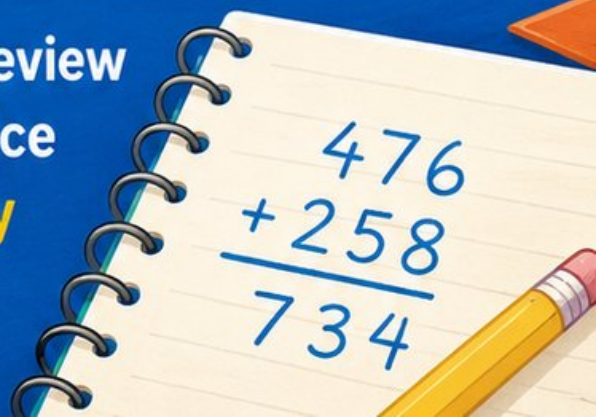
GRADE 4



MATH

PRACTICE TESTS

Standards-Aligned Review
with Mixed Practice
and **Answer Key**



10 Connecticut Smarter Balanced Grade 4 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Ten 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!

Ten steady rounds on the Constitution State math route

This book gives you ten 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?

Ten tests, 300 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 4–6	Skill-building rounds with fractions, measurement, area, data, and two-step problems.
Tests 7–9	Stamina rounds for mixed review, neat work, and flexible strategies.
Test 10	Final round to show growth across the whole Connecticut book.
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.

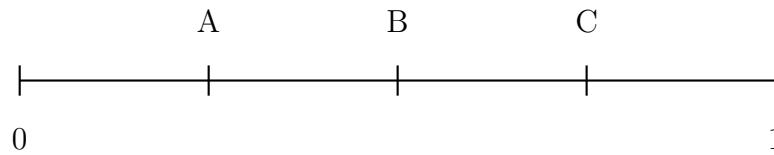


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& answers

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1) Where does 0.5 belong on this number line?



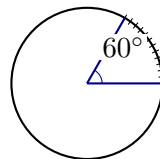
- A. At mark A C. At mark C
 B. At mark B D. Beyond mark C

2) Look at the place-value chart. What is the total value of all the digits shown?

Thousands	Hundreds	Tens	Ones
3	5	2	6

- A. 2,356 C. 5,326
 B. 3,625 D. 3,526
- 3) $\frac{5}{6} = \frac{2}{6} + \underline{\hspace{1cm}}$. The missing fraction is:

- A. $\frac{2}{6}$ C. $\frac{4}{6}$
 B. $\frac{3}{6}$ D. $\frac{1}{6}$



4)

Mia's angle measures 60 degrees. How many one-degree angle units make up this angle?

- A. 6 units C. 60 units
 B. 30 units D. 120 units



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5) What is $\frac{4}{10}$ as a decimal?

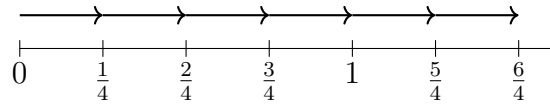
A. 0.04

C. 4.0

B. 0.4

D. 0.44

6) Use the number line to find $6 \times \frac{1}{4}$.



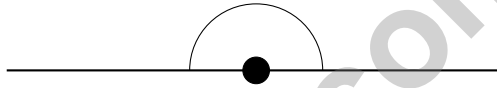
A. $\frac{1}{4}$

C. $\frac{6}{24}$

B. $\frac{6}{4}$ or $1\frac{1}{2}$

D. $\frac{1}{2}$

7)



The angle shown above is:

A. an acute angle

C. an obtuse angle

B. a right angle

D. a straight angle

8) During lunch, the cafeteria used 6 gallons of milk on Monday and 8 gallons on Tuesday. How many gallons did they use in total?

A. 2 gallons

C. 14 gallons

B. 8 gallons

D. 48 gallons

9) Which number is NOT divisible by 2?

A. 78

C. 91

B. 84

D. 96



10) Sam had $2\frac{2}{4}$ meters of string. He used $1\frac{1}{4}$ meters for a project. How much string does he have left?

- A. $1\frac{3}{4}$
 C. $2\frac{1}{4}$
 B. $1\frac{1}{4}$
 D. $3\frac{3}{4}$

11) Which number has a 4 in the hundreds place? Use this expanded form reference:

Number	Thousands	Hundreds	Tens	Ones
Option A	2	4	1	5
Option B	4	2	1	5
Option C	1	2	4	5
Option D	2	5	4	1

- A. 2,415
 C. 1,245
 B. 4,215
 D. 2,541

12) What is $\frac{3}{2} - \frac{1}{2}$?

Start with $\frac{3}{2}$



Take away $\frac{1}{2}$; ? remains

- A. $\frac{2}{4}$
 C. $\frac{1}{2}$
 B. $\frac{2}{2}$ or 1
 D. $\frac{4}{2}$



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1) A digit has a value of 600. In which place is this digit located?

A. Ones

C. Hundreds

B. Tens

D. Thousands

2) Find $3 \times \frac{5}{6}$ as a mixed number.

3) What fraction is missing in this equation? $\frac{?}{100} + \frac{25}{100} = \frac{7}{10}$

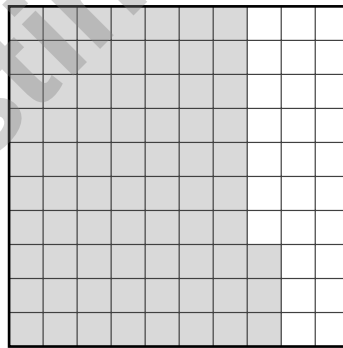
A. $\frac{45}{100}$

C. $\frac{42}{100}$

B. $\frac{52}{100}$

D. $\frac{50}{100}$

4) Look at the grid below with hundredths shaded.



What decimal is shown?

A. 0.62

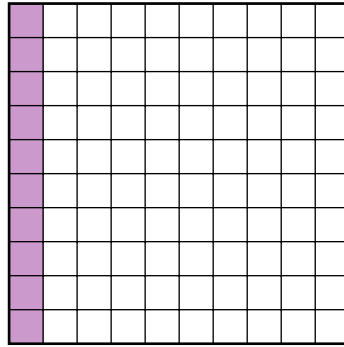
C. 0.73

B. 0.72

D. 0.82



1) Ming shaded $\frac{1}{10}$ of a rectangle. How many hundredths is this?



1 column shaded out of 10 columns

- A. 1 hundredth
- B. 10 hundredths
- C. 100 hundredths
- D. 11 hundredths



One whole (4 fourths)

2)

The bar shows $\frac{2}{4}$ is shaded. If you have 3 such bars, how much is shaded in total?

- A. $\frac{6}{4}$ (or $1\frac{1}{2}$)
- B. $\frac{2}{12}$
- C. $\frac{3}{4}$
- D. $\frac{5}{4}$

3) A rectangle has a length of 8 ft and a width of 5 ft. What is its area?

- A. 13 sq ft
- B. 26 sq ft
- C. 40 sq ft
- D. 45 sq ft

4) Which list shows consecutive multiples of 5 starting at 5?

A. 5, 10, 15, 20, 25

C. 5, 10, 15, 20, 30

B. 5, 15, 20, 35, 40

D. 10, 20, 30, 40, 50

5) Points that lie on the same line are called:

A. Vertical points

C. Parallel points

B. Collinear points

D. Angular points

6) Priya has 3 coins. Her brother has 5 times as many coins. How many coins does her brother have?

A. 3

C. 5

B. 8

D. 15

7) A quadrilateral has four equal sides and four right angles. How many sides does it have?

8) Which fraction equals $6 \times \frac{1}{8}$?

A. $\frac{1}{8}$

C. $\frac{6}{48}$

B. $\frac{6}{8}$

D. $\frac{1}{48}$



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& answers

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 B is correct.** (4.NF.C.5) 0.5 represents half. The number line goes from 0 to 1, so 0.5 sits exactly in the middle at mark B.
- Choice D is correct.** (4.NBT.A.1) From the chart, read the digits left to right: thousands 3, hundreds 5, tens 2, ones 6. This forms **3,526**. ✓
- Choice B is correct.** (4.NF.B.3) If $\frac{2}{6}$ is there, what's missing? $\frac{5}{6} - \frac{2}{6} = \frac{3}{6}$. Check: $2 + 3 = 5$ ✓.
- Choice C is correct.** (4.MD.C.5) Mia's angle of 60° is composed of **60** one-degree angle units.
- Choice B is correct.** (4.NF.C.5) Four tenths equals: $\frac{4}{10} = \frac{40}{100} = 0.40 = 0.4$.
- Choice B is correct.** (4.NF.B.4) On the number line, we make 6 jumps of $\frac{1}{4}$ each, landing at $\frac{6}{4} = 1\frac{1}{2}$. So $6 \times \frac{1}{4} = 1\frac{1}{2}$. The answer is $1\frac{1}{2}$.
- Choice D is correct.** (4.MD.C.5) A straight angle is formed when two rays point in exactly opposite directions, making a straight line.
- Choice C is correct.** (4.MD.A.2) The cafeteria used 6 gallons on Monday and 8 gallons on Tuesday. Add them: $6 + 8 = 14$ gallons. They used **14** gallons in total.
- Choice C is correct.** (4.OA.B.4) Divisibility rule for 2: the last digit must be even. 91 ends in 1—odd—so it's *not* divisible by 2. The others (78, 84, 96) all end in even digits.
- Choice B is correct.** (4.NF.B.3) Sam used some string, so subtract the amount used from what he started with: $2\frac{2}{4} - 1\frac{1}{4} = 1\frac{1}{4}$ meters of string remains.
- Choice A is correct.** (4.NBT.A.2) Looking at the table, the hundreds column shows 4 for Option A, which gives 2,415 ✓
- Choice B is correct.** (4.NF.B.3) Start with $\frac{3}{2}$ halves. Take away $\frac{1}{2}$: $3 - 1 = 2$ halves, which equals **1** whole.
- Choice C is correct.** (4.G.A.2) Tick marks on the sides of a figure indicate which sides have equal length. Sides marked with the same number or style of tick marks are equal to each other. The answer is **C**.
- Choice B is correct.** (4.NF.B.4) The fraction $\frac{2}{3}$ tells us we have 2 parts out of 3 equal parts. So we have 2 copies of $\frac{1}{3}$.
- Choice A is correct.** (4.MD.C.7) The tree divides the angle into two parts. Subtract to find the other: $168^\circ - 86^\circ = \mathbf{82^\circ}$.
- The correct answer is 27.** (4.MD.A.1) Since 1 yard = 3 feet, multiply: $9 \times 3 = 27$ feet.
- The correct answer is A, C.** (4.NF.B.3) Let's check each choice. Choice A: $\frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6} = \frac{4}{6}$ (correct!). Choice C: "Four unit fractions" also describes this sum (correct!). Choices B, D, E: Wrong denominators or wrong totals.
- Choice A is correct.** (4.NBT.B.5) Split the multiplier: $42 \times (10 + 3) = 420 + 126 = \mathbf{546}$.
- The correct answer is Field A.** (4.NF.C.5) Compare tenths first (they outweigh hundredths). Field A has 8 tenths; Field B has 3 tenths. Since $8 > 3$, $0.83 > 0.38$, so Field A is wider. ✓
- Choice B is correct.** (4.NF.B.4) Four pieces of string, each weighing $\frac{3}{5}$ ounce, weigh $4 \times \frac{3}{5} = \frac{12}{5}$ ounces total.
- Choice B is correct.** (4.MD.A.3) $P = 2(13) + 2(6) = 26 + 12 = 38$ in.
- Choice D is correct.** (4.NF.A.1) Divide both numerator and denominator by 4: $\frac{12}{16} = \frac{12 \div 4}{16 \div 4} = \frac{3}{4}$.
- Choice C is correct.** (4.G.A.3) Squares have 4 lines and regular hexagons have 6. Pentagons with 5 sides have 5 symmetry lines, and octagons with 8 sides have 8 lines. Circles win with infinitely many! The answer is A regular polygon with 5 or more sides or a circle.
- The correct answer is 0.** (4.MD.C.6) The first step in measuring an angle is to align one ray (the baseline ray) with the 0° mark on the protractor. This is your starting point for reading the second ray. The answer is **0** degrees.
- Choice A is correct.** (4.NBT.B.6) Long division: $3 \div 6 = 0$ r3, bring down the 5 to get $35 \div 6 = 5$ r5, bring down the 6 to get $56 \div 6 = 9$ r2, bring down the 4 to get $24 \div 6 = 4$. The quotient is **594**.
- Choice D is correct.** (4.OA.A.3) Two steps! Step 1: total pencils: 4 cases \times 50 pencils = 200. Step 2: share equally among 25 classrooms: $200 \div 25 = 8$ pencils each.
- Choice D is correct.** (4.OA.A.2) The counter diagram shows 3 rows of 5 apples—that's "3 times as many." Multiply: $3 \times 5 = 15$ apples.



Hi, Math Champion!

◇ You trained hard! 10 full practice tests is real practice. Your math game is way better now than when you started. ◇

★ **Coach's truth:** kids who practice get better. You practiced. You got better. That's how it works!
★

Your Game Stats

- **Energy:** HIGH! You can finish a long test.
- **Smart Plays:** You know lots of strategies.
- **Calm Head:** You stay cool with hard problems.
- **Game-Day Ready:** You feel strong and prepared.

Coach's tip: the night before the test, get good sleep. Eat a good breakfast. Bring a sharp pencil. Trust your training!

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

Jay Daie

Your Math Coach

PRACTICE TODAY. ACHIEVE TOMORROW!

This **Grade 4 Math Practice Tests** book is designed to help students build strong math skills, boost confidence, and succeed in the classroom and beyond. With 10 full-length practice tests that reflect real test formats, students get the targeted practice they need to master key concepts, improve problem-solving abilities, and achieve their goals.

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