

3

Connecticut

Smarter Balanced

GRADE 4

MATH

PRACTICE TESTS

Standards-Aligned Review with
Mixed Practice and Answer Key



5 FULL-LENGTH
PRACTICE TESTS



STANDARDS-ALIGNED
REVIEW



MIXED PRACTICE
QUESTIONS



ANSWER KEY
INCLUDED

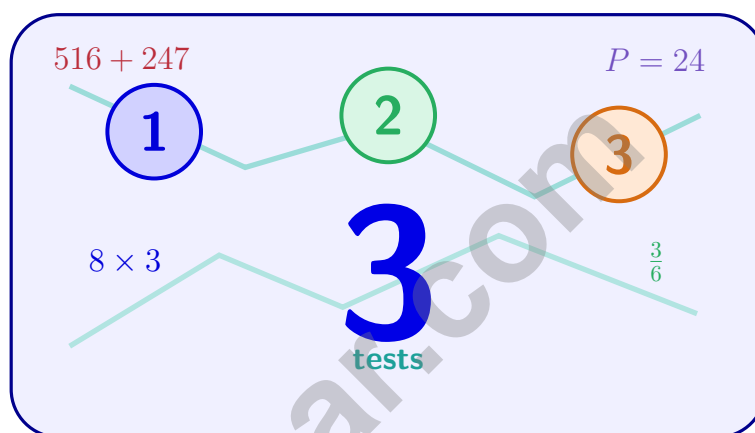
$$a^2 + b^2 = c^2$$

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



3 Connecticut Smarter Balanced Grade 4 Math Practice Tests

Standards-Aligned Practice for Stronger Math Skills and Test Readiness



Three 30-question trail tests packed with Grade 4 review, Connecticut Smarter Balanced strategy tips, answer keys, and step-by-step explanations that turn every miss into the next move.

Jay Daie and Reza Nazari



Copyright ©

Testinar Inc



Published by Testinar Inc

Testinar.com

All rights reserved. No part of this publication may be reproduced, distributed, or transmitted in any form or by any means, including photocopying, recording, or other electronic or mechanical methods, without the prior written permission of the author, except in the case of brief quotations embodied in critical reviews and certain other noncommercial uses permitted by copyright law, including Section 107 or 108 of the 1976 United States Copyright Act.

This publication is independently produced and has no official connection to any state, district, or national testing program.

Test names and organizational names used herein are the property of their respective trademark holders.



Copyright ©

Welcome, Connecticut Math Explorer!

Three steady rounds on the Constitution State math route

This book gives you three full Grade 3 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?

Three tests, 90 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 1–3	Skill-building rounds with fractions, measurement, area, data, and two-step problems.
Tests 1–3	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.



Scan me!
For more practice
& answers

Table of Contents

★ Practice Test 1	_____	15
★ Practice Test 2	_____	26
★ Practice Test 3	_____	37
Practice Test Answer Keys	_____	48
Practice Test Answers and Explanations	_____	51

1) A quadrilateral has two pairs of opposite sides that are equal and parallel. Is this figure a rectangle?

- A. Yes, always
 B. No, never
 C. Only if it has right angles
 D. Only if all four sides are equal

2) Ava's eraser costs \$0.32. Which fraction shows this price?

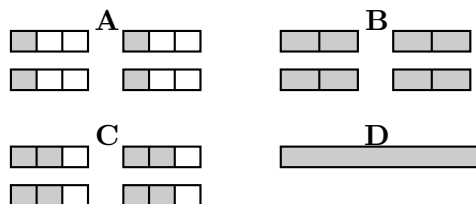
- A. $\frac{32}{10}$
 B. $\frac{3}{2}$
 C. $\frac{32}{100}$
 D. $\frac{32}{1000}$

3) Round 26,734 to the nearest hundred.

4) What is $\frac{9}{12} - \frac{4}{12}$?

- A. $\frac{5}{12}$
 B. $\frac{13}{12}$
 C. $\frac{5}{24}$
 D. $\frac{4}{12}$

5) Which picture shows $4 \times \frac{2}{3}$?



- A. Top-left picture
 B. Top-right picture
 C. Bottom-left picture
 D. Bottom-right picture



Scan me!
For more practice
& answers

6) Subtract: $88,765 - 44,321 = ?$

A. 44,444

C. 44,234

B. 45,444

D. 43,444

7) Carlos uses 7 out of 10 equal pieces of string. What fraction of the string did he use?

8) Which fraction is less than $\frac{1}{2}$?

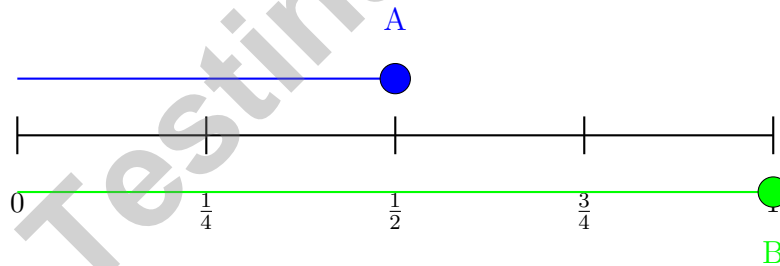
A. $\frac{3}{5}$

C. $\frac{2}{5}$

B. $\frac{3}{6}$

D. $\frac{4}{6}$

9) Look at the number line. It shows jumps from 0 to 1 marked at halves and fourths. Which point is equivalent to $\frac{1}{2}$?



A. Point A at $\frac{1}{2}$

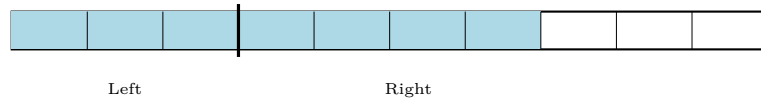
C. Neither point is equivalent to $\frac{1}{2}$

B. Point B at 1

D. Both points are equivalent to $\frac{1}{2}$



10) A student drew this bar to show $\frac{7}{10}$:



The line splits this into two parts. Which decomposition is shown?

A. $\frac{3}{10} + \frac{4}{10}$

B. $\frac{2}{10} + \frac{5}{10}$

C. $\frac{4}{10} + \frac{2}{10}$

D. $\frac{1}{10} + \frac{6}{10}$

11) The factors of 18 are shown in the table. Which number is missing?

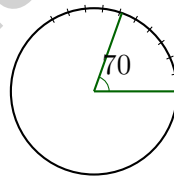
Factor Pair
$1 \times 18 = 18$
$2 \times 9 = 18$
$3 \times ? = 18$

A. 5

B. 9

C. 7

D. 6



12)

The angle shown measures 70 degrees. How many one-degree angles is this?

A. 35 one-degree angles

B. 70 one-degree angles

C. 140 one-degree angles

D. 7 one-degree angles



Scan me!
For more practice
& answers

1) Which number is less than 345,200?

A. 345,300

B. 354,200

C. 346,200

D. 345,100

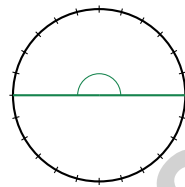
2) Which number is the smallest?

A. 0.88

B. 0.08

C. 0.80

D. 0.82



3)

A straight angle is shown with degree tick marks. How many one-degree angles form a straight angle?

A. 90 one-degree angles

B. 180 one-degree angles

C. 270 one-degree angles

D. 360 one-degree angles

4) In the number 7,707, the digit 7 in the hundreds place has a value that is how many times the digit 7 in the ones place?

A. 10

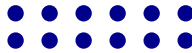
B. 1

C. 1,000

D. 100



Mira: 6 books



Raj: 2 times

1)

Mira has 6 books. Raj has 2 times as many books as Mira. How many books does Raj have?

 A. 8 C. 14 B. 10 D. 122) Which decimal has the same value as $\frac{7}{10}$? A. 0.07 C. 7.0 B. 0.70 D. 0.0173) A sewing project requires $5\frac{2}{8}$ yards of fabric. The first part uses $3\frac{1}{8}$ yards. How much fabric is left for the remaining parts? A. $2\frac{1}{8}$ C. $8\frac{3}{8}$ B. $2\frac{3}{8}$ D. $2\frac{2}{8}$

4) Which pattern shows all multiples of 4?

 A. 4, 8, 10, 16, 20 C. 4, 8, 12, 16, 20 B. 2, 4, 6, 8, 10 D. 3, 6, 9, 12, 15

Scan me!
For more practice
& answers

5) Which numeral represents “three hundred seven thousand, four”?

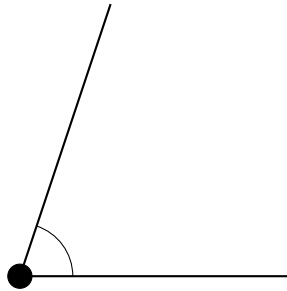
A. 370,040

C. 30,704

B. 307,400

D. 307,004

6)



A straight angle measures 180 degrees. Is this angle more or less than 180 degrees?

A. More than 180 degrees

C. Less than 180 degrees

B. Exactly 180 degrees

D. Cannot tell from the picture

7) How many numbers from 20 to 30 are divisible by 2?

A. 4

C. 6

B. 5

D. 7

8) Which description names a figure that would be symmetric about the described line?

A. A right triangle with the line parallel to the hypotenuse

C. A scalene triangle with the line through the center

B. An isosceles triangle with the line through the vertex angle

D. A right triangle with legs of different lengths



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.

Testinar.com



Practice Test Answers and Explanations

Practice Test 1 Answers and Explanations

- 1) **Choice C is correct.** (4.G.A.2) A parallelogram is defined by having two pairs of opposite sides that are equal and parallel. A figure is a rectangle only when it also has four right angles at each corner. The answer is **C**.
- 2) **Choice C is correct.** (4.NF.C.5) The cost is \$0.32, which equals thirty-two cents or $\frac{32}{100}$ of a dollar.
- 3) **The correct answer is 26,700.** (4.NBT.A.3) We're rounding to the nearest hundred. Look at the tens digit: 3. Since $3 < 5$, round DOWN. The answer is **26,700**. ✓
- 4) **Choice A is correct.** (4.NF.B.3) Subtract the numerators: $9 - 4 = 5$. Keep the same denominator: $\frac{5}{12}$.
- 5) **Choice C is correct.** (4.NF.B.4) For $4 \times \frac{2}{3}$, we need 4 bars, each divided into 3 parts with 2 parts shaded in each bar. Picture C shows four bars with two-thirds shaded in each. The answer is Picture C.
- 6) **Choice A is correct.** (4.NBT.B.4) Subtract by place value: no regrouping needed. The answer is **44,444**.
- 7) **The correct answer is $\frac{7}{10}$.** (4.NF.B.3) Carlos uses 7 pieces out of 10, which is $\frac{7}{10}$. As unit fractions: $\underbrace{\frac{1}{10} + \frac{1}{10} + \dots + \frac{1}{10}}_{7 \text{ copies}}$.
- 8) **Choice C is correct.** (4.NF.A.1) Check each against $\frac{1}{2}$: $\frac{3}{5} > \frac{1}{2}$, $\frac{3}{6} = \frac{1}{2}$, $\frac{4}{6} > \frac{1}{2}$. But $\frac{2}{5} < \frac{1}{2}$ because $\frac{2}{5} = \frac{4}{10} < \frac{5}{10} = \frac{1}{2}$.
- 9) **Choice A is correct.** (4.NF.A.1) Look at the number line: Point A lands exactly at $\frac{1}{2}$. Point B lands at 1 (or $\frac{4}{4}$), which is a whole, not equivalent to half.
- 10) **Choice A is correct.** (4.NF.B.3) The thick line splits the bar in two. Left side: $\frac{3}{10}$. Right side: $\frac{4}{10}$. Total: $3 + 4 = 7$, so $\frac{3}{10} + \frac{4}{10} = \frac{7}{10}$. ✓
- 11) **Choice D is correct.** (4.OA.B.4) We need a number that pairs with 3 to make 18. Ask: $3 \times ? = 18$. Since $3 \times 6 = 18$, the missing factor is **6**.
- 12) **Choice B is correct.** (4.MD.C.5) The angle shown measures 70° , made from **70** one-degree angles.
- 13) **Choice B is correct.** (4.OA.B.4) Remember: even numbers end in 0, 2, 4, 6, or 8. Check each list: choice A has 5 and 11 (odd), choice C has 3, 9, 15 (odd), choice D has 1, 3, 5 (odd). Only choice B—4, 8, 12, 16, 20—has every term ending in an even digit, so every term is even. ✓
- 14) **Choice B is correct.** (4.NF.B.3) Subtract the wholes: $5 - 1 = 4$. Subtract the fractions: $\frac{3}{4} - \frac{1}{4} = \frac{2}{4}$. The amount remaining is $4\frac{2}{4}$ cups.
- 15) **The correct answer is A, D.** (4.NBT.B.5) Calculate each: A: 520, B: 440, C: 425, D: 532, E: 399. Only A ($520 > 500$) and D ($532 > 500$) exceed 500.
- 16) **Choice B is correct.** (4.MD.A.2) The tank holds 200 liters total. There are already 84 liters inside. Subtract: $200 - 84 = 116$ liters. **116** liters can still fit.
- 17) **Choice B is correct.** (4.NF.B.4) Marcus reads $\frac{3}{12}$ of the book each day for 4 days. We multiply: $4 \times \frac{3}{12} = \frac{12}{12} = 1$ whole book.
- 18) **Choice C is correct.** (4.NF.B.4) Starting at 0, each hop moves us forward by $\frac{1}{4}$. After three hops, we land at $3 \times \frac{1}{4} = \frac{3}{4}$, which is Point C.
- 19) **Choice D is correct.** (4.OA.A.3) Two steps! Step 1: total muffins: $6 \times 24 = 144$. Step 2: pack into boxes of 9: $144 \div 9 = 16$ boxes (no remainder). *Quick check:* $16 \times 9 = 144$. ✓
- 20) **Choice B is correct.** (4.MD.C.5) The vertex is the point where the two rays of an angle meet.
- 21) **Choice B is correct.** (4.G.A.1) The first letter of a ray name is always the starting point. Ray UV begins at U and shoots through V forever. Diagram B shows this with the arrow starting at U .
- 22) **Choice C is correct.** (4.MD.B.4) Count how many times $\frac{2}{4}$ inch appears in the data: it shows up **3** times.
- 23) **Choice B is correct.** (4.NF.C.5) Compare tenths: $7 > 4$. Among the two with tenths = 7, compare hundredths: $7 > 4$, so $0.77 > 0.74$. Among the two with tenths = 4, compare hundredths: $7 > 4$, so $0.47 > 0.44$.
- 24) **Choice D is correct.** (4.OA.A.1) "4 times as many" is a multiplication signal. The friend collects 4 groups of Greyson's 8 cards: $8 \times 4 = 32$ cards.
- 25) **Choice C is correct.** (4.NBT.A.2) From the chart: thousands: $6 \rightarrow 6,000$, hundreds: 0 (omit), tens: $8 \rightarrow 80$, ones: $3 \rightarrow 6,000 + 80 + 3$ ✓



Scan me!
For more practice
& answers

From Your Math Family

Hi, Math Family Member,

◇ Welcome to a special note from your math family. You finished 3 full practice tests, and that hard work matters more than any score. We see you. We are proud of you. ◇

★ **Our math family knows:** math is a journey. You have taken many steps already. The test is just one stop. Every skill you built is yours forever. ★

What Your Math Family Sees

- **Hard Work:** You keep showing up.
- **Real Growth:** You can do problems today you couldn't before.
- **Brave Heart:** You face hard problems with brave thinking.
- **Bright Future:** Your math journey is just beginning.

Family tip: on test day, picture us standing behind you, smiling and rooting for you. You are not alone. Your math family is with you!

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

Jay Daie

Your Math Family

PRACTICE TODAY. SUCCEED TOMORROW!

This **Grade 4 Math Practice Tests** book is designed to help students build strong math skills, master key concepts, and gain the confidence they need to excel on any test.

With 3 full-length practice tests, a variety of question types, and detailed answer explanations, students get the review and practice they need to strengthen problem-solving skills and achieve their best.

Perfect 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.



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 & Decimals
- ✓ Measurement & Data
- ✓ Geometry & Shapes
- ✓ Perimeter & Area
- ✓ Word Problems
- ✓ Patterns & Algebraic Thinking
- ✓ And More!



Visit testinar.com/math4

for additional Grade 4 math resources and practice materials.

MORE PRACTICE. GREATER RESULTS.

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



3 FULL-LENGTH
PRACTICE TESTS



STANDARDS-
ALIGNED REVIEW



MIXED PRACTICE
QUESTIONS



ANSWER KEY
INCLUDED