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# 10 Connecticut

Smarter Balanced




# GRADE 3

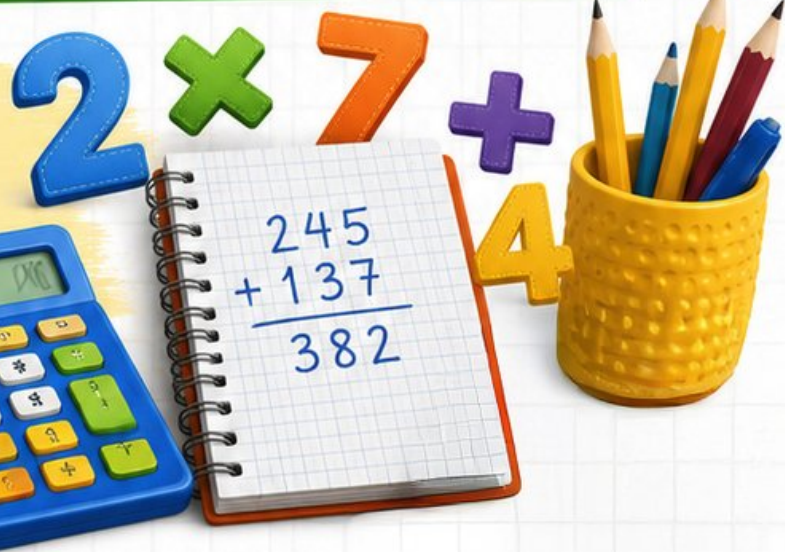
# MATH



# PRACTICE TESTS



- ✓ Complete Standards Review
  - ✓ Skill Practice
  - ✓ Word Problems and Answer Key
- 



★ ★ ★  
**PREPARE  
PRACTICE  
SUCCEED!**  
★ ★ ★



Aligned to  
Grade 3 Math  
Standards



Build Confidence  
and Master  
Math Skills



Test-Taking  
Practice for  
Success



Answer Key  
for Easy  
Review

# 10 Connecticut Smarter Balanced Grade 3 Math Practice Tests

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



Ten complete 30-question Grade 3 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 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?

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.



Scan me!  
For more practice  
& answers

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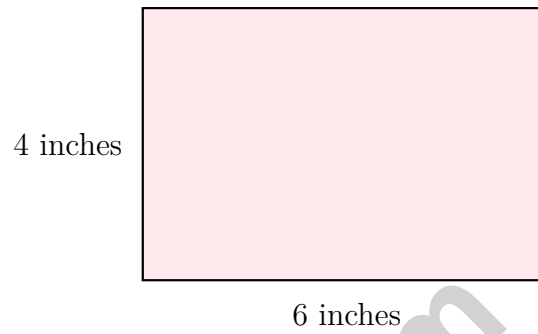
1) Which number does NOT round to 60 when rounded to the nearest 10?

A. 58

C. 64

B. 61

D. 65



2)

A rectangular tile is 6 inches long and 4 inches wide. Find the area.

A. 24 sq in

C. 10 sq in

B. 20 sq in

D. 12 sq in

3) Look at a column in the multiplication table:

| Number       | Product |
|--------------|---------|
| $1 \times 6$ | 6       |
| $2 \times 6$ | 12      |
| $3 \times 6$ | 18      |
| $4 \times 6$ | 24      |

How much does each product increase?

A. By 1

C. By 4

B. By 12

D. By 6



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4)  $418 + 275 = ?$

 A. 693 C. 683 B. 792 D. 783

5) What is  $5 \times 9$ ?

 A. 40 C. 50 B. 54 D. 45

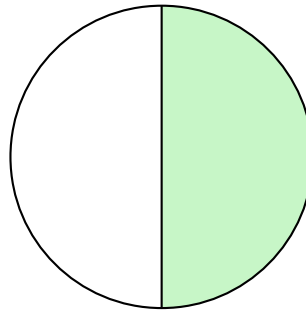
6) Ben pours milk from two containers. One has 750 mL and the other has 250 mL. How many milliliters of milk in total?

 A. 500 mL C. 1000 mL B. 750 mL D. 1500 mL

7) A square has perimeter 40 feet. What is the length of one side?



8) Here is a circle divided into 2 equal parts.



Each part of the circle is what fraction of the whole circle?

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

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

9) Complete the fact family. From the multiplication  $7 \times 6 = 42$ , which division is missing?

| Multiplication    | Division              |
|-------------------|-----------------------|
| $7 \times 6 = 42$ | $42 \div 7 = 6$       |
| $6 \times 7 = 42$ | $42 \div 6 = \square$ |

- A. 6  
 B. 1

- C. 42  
 D. 7

10) Lily has  $\frac{3}{8}$  of a chocolate bar. Noah has  $\frac{3}{4}$  of the same size chocolate bar. Who has more?

- A. Lily ( $8 > 4$ )  
 B. Noah ( $\frac{3}{4}$  is larger)

- C. They have the same amount  
 D. Cannot tell without the bar's size



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1) When you round 45 to the nearest 10, why does the ones digit matter more than the hundreds digit?

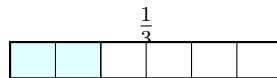
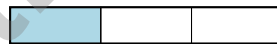
- A. Because we are rounding to the nearest 10, not the nearest 100
- B. Because the ones digit is always bigger
- C. Because 45 is a large number
- D. Because 50 is better than 40

2) Which pair of equations shows the commutative property with 3, 4, and 12?

- A.  $3 + 4 = 7$  and  $4 + 3 = 7$
- B.  $3 \times 3 = 9$  and  $4 \times 3 = 12$
- C.  $12 - 3 = 9$  and  $12 - 4 = 8$
- D.  $3 \times 4 = 12$  and  $4 \times 3 = 12$

3) A cup holds 200 mL. About how many cups would fill a 1000 mL pitcher? ESTIMATE.

4) Look at the fraction bars. Which fraction is equivalent to  $\frac{1}{3}$ ?

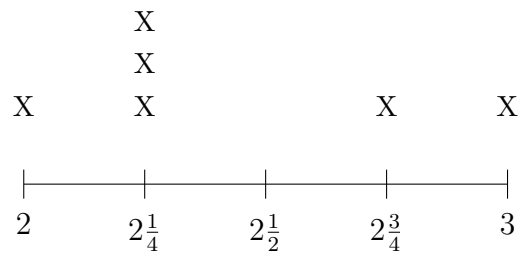


?

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



5) A line plot shows toy car weights in ounces with quarter marks:  $2, 2\frac{1}{4}, 2\frac{1}{2}, 2\frac{3}{4}, 3$ .



How many toy cars weigh at most  $2\frac{1}{2}$  ounces?

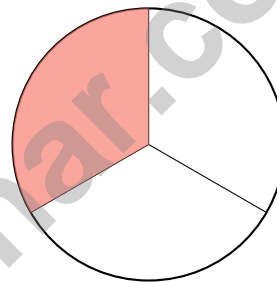
A. 3

C. 5

B. 4

D. 6

6) Here is a circle divided into 3 equal parts. One part is shaded.



What fraction of the circle is shaded?

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

C.  $\frac{2}{3}$

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

D.  $\frac{3}{3}$



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1) Lily knows that  $3 \times 6 = 18$ . How does this help her find  $3 \times 7$ ?

A. Add 3 to get  $18 + 3 = 21$

C. Add 7 to get  $18 + 7 = 25$

B. The answer is 18

D. Multiply 18 by 7

2) Find  $7 \times 9 + 5$ .

3) A number line from 0 to 1 is divided so there are exactly 4 equal parts. If you mark the first partition, what fraction do you mark?

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

C.  $\frac{1}{5}$

B.  $\frac{1}{3}$

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

4) What is 429 rounded to the nearest 10?

A. 420

C. 430

B. 429

D. 500

5) A rectangle has area 20 square feet. Its length is 5 feet. What is its width?

A. 3 feet

C. 5 feet

B. 4 feet

D. 15 feet



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& answers



## Practice Test Answer Keys

**How to use this section with a Grade 3 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 D is correct.** (3.NBT.A.1) Numbers from 55 to 64 round to 60. The number 65 has ones  $5 \geq 5$ , so it rounds to 70, not 60.
- Choice A is correct.** (3.MD.C.7b) Area = length  $\times$  width =  $6 \times 4 = 24$  square inches.
- Choice D is correct.** (3.OA.D.9) From 6 to 12 is +6; from 12 to 18 is +6; from 18 to 24 is +6.
- Choice A is correct.** (3.NBT.A.2) Ones:  $8 + 5 = 13$  (write 3, carry 1). Tens:  $1 + 7 + 1 = 9$ . Hundreds:  $4 + 2 = 6$ . Answer: 693.
- Choice D is correct.** (3.OA.C.7)  $5 \times 9 = 45$ . Count by 5s: 5, 10, 15, 20, 25, 30, 35, 40, 45.
- Choice C is correct.** (3.MD.A.2) Add:  $750 + 250 = 1000$  mL.
- The correct answer is 10 feet.** (3.MD.D.8)  $40 \div 4 = 10$  ft per side.
- Choice B is correct.** (3.G.A.2) When a circle is divided into 2 equal parts, each part is  $\frac{1}{2}$  of the whole circle.
- Choice D is correct.** (3.OA.B.6) Every multiplication fact has two related division facts. From  $6 \times 7 = 42$ , we get  $42 \div 6 = 7$ . The factors switch roles.
- Choice B is correct.** (3.NF.A.3d) Same numerator (3), different denominators, same chocolate bar: fourths are larger pieces than eighths. So  $\frac{3}{4}$  is more than  $\frac{3}{8}$ . Noah has more because he has 3 larger pieces.
- Choice A is correct.** (3.MD.C.5) Shape 1:  $2 \times 10 = 20$  square units. Shape 2:  $4 \times 5 = 20$  square units. They have equal areas.
- Choice D is correct.** (3.OA.A.3) Multiply: 5 tables  $\times$  6 chairs per table = 30 chairs.
- Choices A and C are correct.** (3.OA.D.8) Multiply tables by chairs per table:  $9 \times 4 = 36$ . Then add:  $36 + 8 = 44$ . Choices A and C both correctly compute  $(9 \times 4) + 8 = 44$ . Choice B adds all three numbers (incorrect order). Choice D applies order of operations wrong. Choice E adds first then multiplies (wrong method).
- Choice D is correct.** (3.OA.B.5) The commutative property says you can switch the order of the factors and still get the same answer. So  $2 \times 7 = 7 \times 2 = 14$ .
- Choice C is correct.** (3.MD.C.7d) Add the areas:  $25 + 14 = 39$  square units.
- Choice A is correct.** (3.OA.A.2) The number line shows 5 jumps of  $-2$  from 10 to 0. This represents  $10 \div 2 = 5$  (there are 5 groups of 2 in 10).
- Choice A is correct.** (3.NF.A.3)  $\frac{2}{6}$  and  $\frac{1}{3}$  equal the same amount.
- Choice C is correct.** (3.NF.A.1) A whole divided into 2 equal parts gives each part the name  $\frac{1}{2}$  (one-half).
- The correct answer is 1.** (3.NF.A.3a)  $\frac{2}{4} = \frac{1}{2}$ , so she ate 1 half.
- Choice C is correct.** (3.MD.C.5a) The grid is 2 units wide and 4 units tall:  $2 \times 4 = 8$  unit squares = 8 square units.
- Choice D is correct.** (3.MD.B.4) At  $5\frac{1}{2}$ , there are zero X's. All other values have at least one X.
- Choice D is correct.** (3.OA.A.1) 7 tables with 8 books each means 7 groups of 8. So  $7 \times 8 = 56$  books.
- Choice D is correct.** (3.MD.C.5b) A 5 by 5 square has  $5 \times 5 = 25$  unit squares.
- Choice B is correct.** (3.NF.A.2) Sam is at tick 1 and Maya is at tick 3. The distance between them is  $3 - 1 = 2$  parts.
- Choice A is correct.** (3.NF.A.3c)  $\frac{4}{2}$  means 4 halves. 2 halves make 1 whole, so  $4 \div 2 = 2$  wholes.
- Choice C is correct.** (3.MD.B.3) Count the stars and multiply by the scale:  $3 \times 2 = 6$  stickers.
- The correct answer is  $\frac{2}{4}$ .** (3.NF.A.3b) Multiply the numerator and denominator by 2:  $\frac{1 \times 2}{2 \times 2} = \frac{2}{4}$ .
- Choice C is correct.** (3.MD.C.7a) Visual grid: 4 wide  $\times$  5 tall = 20 square units.
- Choice C is correct.** (3.MD.C.6)  $10 \times 2 = 20$  unit squares.
- Choice A is correct.** (3.NBT.A.3)  $70 \times 5 = 350$ , the same as  $5 \times 70 = 350$ . The commutative property of multiplication says you can swap the factors and get the same product:  $5 \times 7 \times 10 = 7 \times 5 \times 10 = 350$ .

### Practice Test 2 Answers and Explanations



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A Note From Your Math Friend

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## Hi, Math Star!

◇ Wow! You finished 10 full practice tests. That is a LOT of math problems. You worked hard, and your brain got stronger every time. ◇

★ **Here is a big idea:** mistakes are okay! Every time you got something wrong, you got smarter. Through 10 tests, you learned that trying is the most important thing. ★

### Look What You Did!

- **Hard Worker:** You did not give up!
- **Smart Thinker:** You used your math tools.
- **Brave Learner:** You tried hard problems.
- **Test Ready:** You feel proud and prepared.

**Big tip for test day:** take your time. Read each problem twice. Show your work. Check your answer. You can do this!

If you want to share something or ask a question, please email me at [jay@testinar.com](mailto:jay@testinar.com).

**Jay Daie**

Your Math Friend

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# PRACTICE TODAY. SUCCEED TOMORROW!

Give your child the advantage they need in **Grade 3 Math** with 10 full-length practice tests that build skills, boost confidence, and improve results. Designed to mirror real test formats, this book helps students master essential math concepts and feel ready for any challenge.



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