

5

Connecticut

Smarter Balanced

GRADE 3

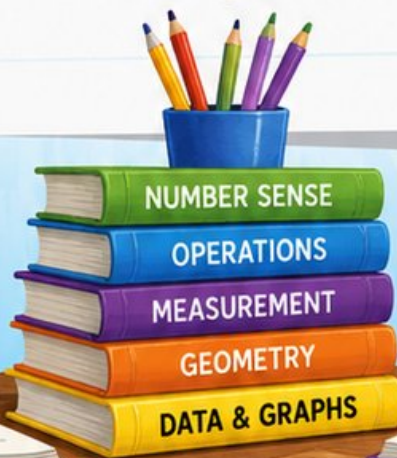
MATH

PRACTICE TESTS

Standards-Aligned Practice with
Review, Answer Keys, and Explanations

$24 \div 3 = 8$

125
 $+ 37$



5 FULL-LENGTH
PRACTICE TESTS



STANDARDS-
ALIGNED
PRACTICE



DETAILED
ANSWER KEYS



CLEAR
EXPLANATIONS
TO HELP YOU SUCCEED

5 Connecticut Smarter Balanced Grade 3 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Five focused 30-question checkpoints for Grade 3 math: facts, fractions, measurement, data, area, shapes, answer keys, and clear explanations for every item.

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 to the Five Checkpoint Quest

Five tests, five fresh starts, and one stronger Grade 3 thinker



Read. Model. Solve. Check. Grow.

To the Grade 3 Math Explorer

This book gives you five practice checkpoints for the Connecticut Smarter Balanced. Each checkpoint is a full 30-question test, so you can practice stamina, accuracy, and the habit of showing what you know.

Connecticut has river towns, coastal harbors, old stone walls, and historic streets built by careful choices. Strong math uses the same kind of careful planning: look at the path, choose a tool, and check your work before moving ahead.

Notice

Circle key words, units, and numbers before you start.

Build

Use arrays, number lines, equations, tables, or sketches.

Verify

Ask, "Does this answer fit the question?"

Five-checkpoint promise: I will try each test with patience, mark my mistakes honestly, and use every correction to make the next checkpoint stronger.

How to Use This Book

A five-step routine for steady Grade 3 growth

Use one checkpoint at a time. A good pace is one test, one careful review, and one short skill tune-up before the next test.

1. **Preview the tools.** Skim the reference page and remember where multiplication, fractions, measurement, and shapes appear.
2. **Take one full test.** Work neatly. If a problem feels stuck, mark it and keep moving.
3. **Check the answer key.** Notice the question type: multiple choice, select all, or open-ended.
4. **Study explanations.** Pick two missed questions and redo them without looking.
5. **Choose the next focus.** Write one habit to carry into the next checkpoint.

Best review habit: Do not just ask, “What was the answer?” Ask, “What clue did I miss, and what tool should I try next time?”



What Is Inside?

Five complete practice tests with review support

Part	What You Do	Why It Helps
Practice Tests 1–5	Solve five different 30-question tests.	Build stamina and see many Grade 3 skills mixed together.
Answer Keys	Check each answer in compact boxes.	Find mistakes quickly without losing your place.
Explanations	Read the reason behind each answer.	Turn missed items into a clear next step.
Standards Reference	See how Connecticut Grade 3 standards connect to practice.	Understand the skills behind the questions.

Each test has 26 multiple-choice questions, 1 select-all question, and 3 open-ended questions. That mix gives students practice with quick choices, careful reasoning, and short written answers.



Scan me!
For more practice
& answers

Table of Contents

★ Practice Test 1	_____	15
★ Practice Test 2	_____	27
★ Practice Test 3	_____	39
★ Practice Test 4	_____	51
★ Practice Test 5	_____	64
Practice Test Answer Keys	_____	75
Practice Test Answers and Explanations	_____	79

1) What whole number is $\frac{6}{6}$?

A. 6

B. 0

C. 1

D. 3

2) Which does NOT equal 6×3 ?

A. 3×6

B. $6 \times (2 + 1)$

C. $6 \times 2 + 6 \times 1$

D. $4 \times 3 + 2$

3) Ben is building a rectangular frame that is 8 units long and 4 units wide. What is the area he needs to fill?

A. 12 sq units

B. 32 sq units

C. 24 sq units

D. 64 sq units

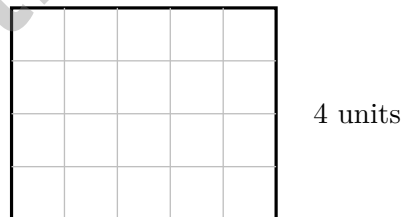
4) Ava colored $\frac{4}{4}$ of a shape. Noah colored $\frac{4}{6}$ of a shape of the same size. Which statement is true?

A. Ava colored more

B. Noah colored more

C. They colored the same amount

D. Cannot compare the fractions



5)

5 units

Count the unit squares. What is the area of the rectangle above?

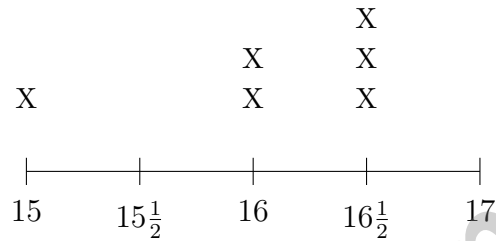


Scan me!
For more practice
& answers

6) $9 \times 10 = 90$. What place-value name describes the digit 9 in the number 90?

- A. The ones place C. The hundreds place
 B. The tens place D. The zero place

7) Noah recorded bird wing spans in inches with halves: 15, $15\frac{1}{2}$, 16, $16\frac{1}{2}$, 17.

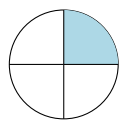


Which wing span is the mode?

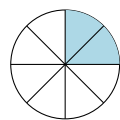
- A. 15 inches C. $16\frac{1}{2}$ inches
 B. 16 inches D. 17 inches

8) Find $30 \div 5$.

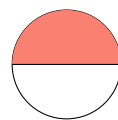
9) Which choice lists all the pie charts that show fractions equivalent to $\frac{1}{4}$?



Pie 1: $\frac{1}{4}$



Pie 2: $\frac{2}{8}$



Pie 3: $\frac{1}{2}$

- A. Pie 1 only C. Pies 1 and 2
 B. Pie 2 only D. All three pies



10) A farmer puts 7 eggs in each carton. If he fills 9 cartons, how many eggs are there?

- A. 56 eggs C. 72 eggs
 B. 16 eggs D. 63 eggs

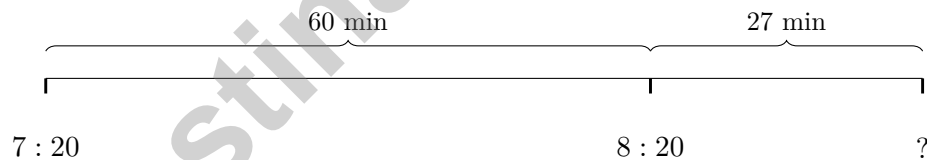
11) Which shape covers more space: a rectangle that is 3 units by 7 units, or a square that is 5 units by 5 units?

- A. The rectangle C. They cover the same space
 B. The square D. The rectangle is taller

12) A fruit stand has 3 crates of oranges with 7 oranges each and 2 crates of lemons with 8 lemons each. How many pieces of fruit in total?

- A. 30 C. 40
 B. 48 D. 37

13) A movie starts at 7 : 20 PM. The actual movie is 87 minutes long. What time does the movie end?



- A. 8 : 37 PM C. 8 : 53 PM
 B. 8 : 47 PM D. 9 : 00 PM

14) Lily tiles a wall with unit squares (1 foot by 1 foot). The wall is 8 feet wide and 2 feet tall. How many tiles does she need?

- A. 10 tiles C. 14 tiles
 B. 12 tiles D. 16 tiles



Scan me!
For more practice
& answers

1) A classroom has 2 shelves. Each shelf has 9 books. How many books are on the shelves?

A. 18

C. 20

B. 11

D. 7

2) Which three fractions are all equal to 3 wholes?

A. $\frac{4}{1}$, $\frac{8}{2}$, $\frac{12}{3}$

C. $\frac{3}{1}$, $\frac{6}{2}$, $\frac{9}{3}$

B. $\frac{2}{1}$, $\frac{4}{2}$, $\frac{6}{3}$

D. $\frac{5}{1}$, $\frac{10}{2}$, $\frac{15}{3}$

3) What does the denominator in a unit fraction tell you?

A. How many parts are shaded

C. The name of the color

B. How many equal parts the whole is divided into

D. How big one part is

4) A long rectangle has area 60 square units. It is split vertically into two parts. One part is 4×10 . What is the area of the other part if they share the same length?

A. 40

C. 30

B. 20

D. 60

5) $524 + 312 = ?$

A. 836

C. 935

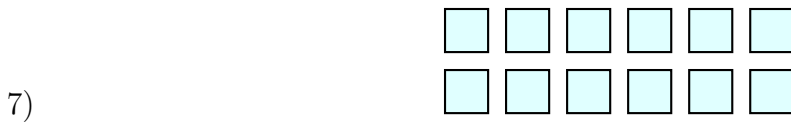
B. 846

D. 735

6) Mia colored $\frac{2}{3}$ of a circle. Write an equivalent fraction that uses 6 as the denominator.



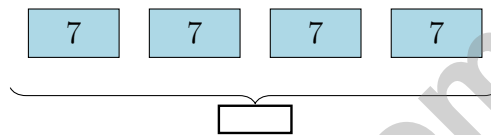
Scan me!
For more practice
& answers



What is the product shown by this array?

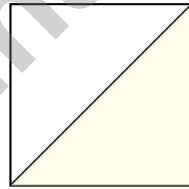
- A. 10 C. 6
 B. 8 D. 12

- 8) A bar shows 4 equal groups. Each group has 7 stickers. How many stickers are there in total?



- A. 28 C. 24
 B. 25 D. 30

- 9) A square is divided into 2 equal parts by a diagonal line. What fraction is one part?



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

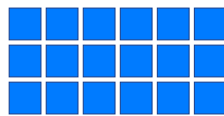
- 10) If you divide a line from 0 to 1 into 8 equal parts, what do you call one of those parts?

- A. One eighth C. One half
 B. Eight D. One whole



- 5) Ava has two arrays that show the commutative property. Which is the matching pair?

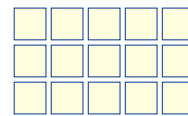
Ava's array:
3 rows, 6 columns



A
6 rows, 3 col



B
3 rows, 5 col



- 6) What fraction is at the third (last) tick mark on a 3-part number line from 0 to 1?



- A. $\frac{1}{3}$
 C. $\frac{3}{3}$
 B. $\frac{2}{3}$
 D. $\frac{3}{1}$
- 7) Look at this addition: $265 + 218 = 475$. Is this correct or incorrect?
- A. Correct
 C. Incorrect; the answer should be 473
 B. Incorrect; the answer should be 485
 D. Incorrect; the answer should be 483



Scan me!
For more practice
& 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.

Testinar.com



Scan me!
For more practice
& answers

Practice Test Answers and Explanations

Practice Test 1 Answers and Explanations

- 1) **Choice C is correct.** **(3.NF.A.3c)** A fraction where numerator = denominator always equals 1. $\frac{6}{6} = 1$.
- 2) **Choice D is correct.** **(3.OA.B.5)** $6 \times 3 = 18$. Options A, B, and C all equal 18. But $4 \times 3 + 2 = 12 + 2 = 14$, which does not equal 18.
- 3) **Choice B is correct.** **(3.MD.C.5b)** $8 \times 4 = 32$ square units.
- 4) **Choice A is correct.** **(3.NF.A.3d)** Ava colored one whole because $\frac{4}{4} = 1$. Noah colored less than one whole, so $\frac{4}{4} > \frac{4}{6}$.
- 5) **The correct answer is 20 square units.** **(3.MD.C.7)** The grid shows 5 columns and 4 rows. Area = $5 \times 4 = 20$ square units. You can also add by rows: $5 + 5 + 5 + 5 = 20$ (four rows of five).
- 6) **Choice B is correct.** **(3.NBT.A.3)** In 90, the 9 is in the tens place (representing 9 tens, or 9×10). The 0 is in the ones place. So $90 = 9 \text{ tens} + 0 \text{ ones}$.
- 7) **Choice C is correct.** **(3.MD.B.4)** The mode is the value with the most X's. At $16\frac{1}{2}$, there are 3 X's, which is more than any other value.
- 8) **The correct answer is 6.** **(3.OA.A.3)** $30 \div 5 = 6$.
- 9) **Choice C is correct.** **(3.NF.A.3b)** Pie 1 shows $\frac{1}{4}$ and Pie 2 shows $\frac{2}{8}$. Both show one-quarter shaded. They are equivalent: $\frac{1 \times 2}{4 \times 2} = \frac{2}{8}$.
- 10) **Choice D is correct.** **(3.OA.A.1)** 9 cartons with 7 eggs each means 9 groups of 7. So $9 \times 7 = 63$ eggs.
- 11) **Choice B is correct.** **(3.MD.C.5)** Rectangle: $3 \times 7 = 21$ square units. Square: $5 \times 5 = 25$ square units. The square covers more space.
- 12) **Choice D is correct.** **(3.OA.D.8)** Step 1: Oranges: $3 \times 7 = 21$. Step 2: Lemons: $2 \times 8 = 16$. Total: $21 + 16 = 37$ pieces.
- 13) **Choice B is correct.** **(3.MD.A.1)** $7 : 20 + 87 \text{ min} = 7 : 20 + 60 \text{ min} + 27 \text{ min} = 8 : 20 + 27 \text{ min} = 8 : 47 \text{ PM}$.
- 14) **Choice D is correct.** **(3.MD.C.5a)** Wall area = $8 \text{ ft} \times 2 \text{ ft} = 16$ square feet = 16 unit-square tiles.
- 15) **Choices A and B are correct.** **(3.MD.B.3)** A is true because $3 \times 5 = 15$, and B is true because $4 \times 5 = 20$. C should be 10, not 7; D should be 30, not 35; and E should be 25, not 40.
- 16) **Choice C is correct.** **(3.NF.A.3)** Lily ate 1 out of 2 pieces, which is $\frac{1}{2}$.
- 17) **Choice B is correct.** **(3.NF.A.2a)** Splitting from 0 to 1 into three equal parts gives $\frac{1}{3}$ for each.
- 18) **Choice D is correct.** **(3.NF.A.3a)** $\frac{1}{3} \div \frac{2}{6}$. They represent the same position on a number line.
- 19) **Choice B is correct.** **(3.MD.A.2)** Divide: $600 \div 3 = 200$ g per bag.
- 20) **Choice C is correct.** **(3.OA.C.7)** $9 \times 4 = 36$. You can think of 4 nines or 9 fours: $9 + 9 + 9 + 9 = 36$.
- 21) **Choice B is correct.** **(3.MD.C.7b)** Area = length \times width = $8 \times 2 = 16$ square feet.
- 22) **Choice C is correct.** **(3.MD.C.7d)** Vertical: $7 \times 6 = 42$ sq units. Horizontal: $8 \times 3 = 24$ sq units. Total: $42 + 24 = 66$ sq units.
- 23) **Choice B is correct.** **(3.NF.A.2)** The point is exactly in the middle between $\frac{2}{6}$ and $\frac{4}{6}$, which is $\frac{3}{6}$.
- 24) **Choice D is correct.** **(3.OA.D.9)** Add 10 each time: $40 + 10 = 50$. This is skip counting by 10.
- 25) **Choice C is correct.** **(3.NF.A.1)** Dividing a whole into 4 equal sections creates unit fractions called fourths. One section is one-fourth.
- 26) **Choice D is correct.** **(3.OA.B.6)** $36 \div 6 = \square$ means $\square \times 6 = 36$. Since $6 \times 6 = 36$, Sam earned 6 points per game.
- 27) **The correct answer is 3.** **(3.OA.A.2)** $18 \div 6 = 3$.
- 28) **Choice D is correct.** **(3.NBT.A.1)** Numbers from 65 to 74 round to 70. The number 67 has ones digit $7 \geq 5$, so it rounds up to 70.
- 29) **Choice D is correct.** **(3.OA.A.4)** Divide: $54 \div 6 = 9$. Each part is 9. Check: $6 \times 9 = 54$.
- 30) **Choice A is correct.** **(3.MD.C.7c)** Total area is 56. First rectangle is 42. Second is $56 - 42 = 14$, which is 7×2 (so width is 2).

Practice Test 2 Answers and Explanations



Scan me!
For more practice
& answers

Hi, Math Champion!

◇ You trained hard! 5 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

Build Skills. Boost Confidence. Excel in Grade 3 Math!

This book provides 5 full-length Grade 3 math practice tests that follow standards and help students achieve real results.



5 Full-Length Practice Tests

Realistic tests to build stamina and familiarity.



Standards-Aligned Practice

Questions match Grade 3 math standards and key skills.



Answer Keys & Explanations

Detailed answers that show steps and clear reasoning.



Review & Master Skills

Strengthen concepts in numbers, operations, fractions, geometry, measurement, and more.

COVERS ALL ESSENTIAL TOPICS

- ✓ Whole Numbers
- ✓ Operations & Algebraic Thinking
- ✓ Number Patterns
- ✓ Fractions & Decimals
- ✓ Measurement & Data
- ✓ Geometry
- ✓ Perimeter, Area & Volume
- ✓ Time & Money
- ✓ Data & Graphs
- ✓ Word Problems
- ✓ And More!



Visit testinar.com/math3
for more Grade 3 math resources
and practice materials!



$$\begin{array}{r} 7 \times 8 \\ = 56 \end{array}$$

$$\begin{array}{r} 36 \\ \div 4 = 9 \end{array}$$

$$\begin{array}{r} 452 \\ - 178 \\ \hline = 274 \end{array}$$



Everything Your Child Needs
to Succeed in Grade 3 Math!



Perfect For:



Classroom
Learning



Homework
Support



Test
Preparation



Extra Practice
& Review