

7

Nevada

Smarter Balanced

Grade 3 MATH

PRACTICE TESTS

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



7 Full-Length
Practice Tests



Standards-Aligned
Math Practice



Detailed Answer Keys
and Explanations



Build Confidence.
Achieve Success.

PREPARE
PRACTICE
SUCCEED



$4 \times 6 = 24$



7 Nevada Smarter Balanced Grade 3 Math Practice Tests

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



Seven complete 30-question practice trails for Grade 3 math: operations, fractions, measurement, data, area, shapes, answer keys, and clear explanations for every item.

Jay Daie and Reza Nazari



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Welcome to the Seven Math Trails

Seven full tests, seven fresh chances, and one braver Grade 3 thinker



Read the trail. Mark the clues. Solve with care.

To the Grade 3 Math Trail Leader

This book gives you seven complete practice trails for the Nevada Smarter Balanced. Each trail is a full 30-question test, so students can practice accuracy, stamina, and clear explanations over time.

Nevada has desert valleys, mountain roads, bright city lights, dry lake beds, and careful test routines, where careful steps matter. Strong math follows that same path: notice the question, choose a tool, show the work, and keep focus when details compete for attention.

Scout

Find what the problem is asking before you calculate.

Solve

Pick an equation, model, array, graph, or number line.

Prove

Check the answer and explain the thinking clearly.

Seven-trail promise: I will work with patience, use my scratch space wisely, and let every correction make my next test stronger.

How to Use This Book

A seven-trail routine for steady Grade 3 growth

Use one practice trail at a time. The goal is not to rush through more pages. The goal is to finish, check, repair, and bring a stronger habit to the next test. For Nevada students, each trail moves through desert valleys, mountain roads, bright city lights, dry lake beds, and careful test routines: steady, alert, and ready for the next clue.

1. **Preview the tools.** Skim the reference page before each test.
2. **Take one test.** Work steadily and mark problems that need another look.
3. **Check the key.** Use the compact answer boxes first.
4. **Study explanations.** Read missed items and lucky guesses.
5. **Redo three problems.** Rewrite the work cleanly without copying.
6. **Name one habit.** Choose a focus such as labels, facts, fractions, or checking.
7. **Start the next trail.** Bring that habit into the next full test.

Best review habit: A missed problem is a trail marker. It shows where to slow down, look again, and choose a better step.



What Is Inside?

Seven complete practice tests with review support

Part	What You Do	Why It Helps
Practice Tests 1–7	Solve seven different 30-question tests.	Build stamina and see Grade 3 skills mixed together.
Reference Materials	Review measurement and time facts before each test.	Keep common tools close without turning pages backward.
Answer Keys	Check each answer in compact boxes.	Find mistakes quickly without losing your place.
Explanations	Read why each answer works.	Turn missed items into a clear next step.
Standards Reference	See how Nevada Grade 3 standards connect to practice.	Understand the skills behind the questions.

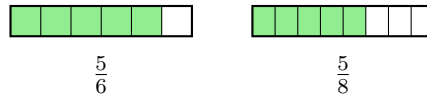
Each test has 26 multiple-choice questions, 1 select-all question, and 3 open-ended questions. This gives students practice with quick decisions, careful reading, and short written math answers for the Nevada Smarter Balanced path.



Scan me!
For more practice
& answers

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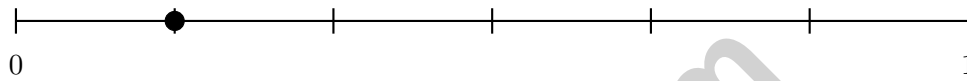
1)

Compare $\frac{5}{6}$ and $\frac{5}{8}$. Which is true?

- A. $\frac{5}{6} < \frac{5}{8}$
 B. $\frac{5}{6} > \frac{5}{8}$

- C. $\frac{5}{6} = \frac{5}{8}$
 D. $\frac{5}{8} > \frac{5}{6}$

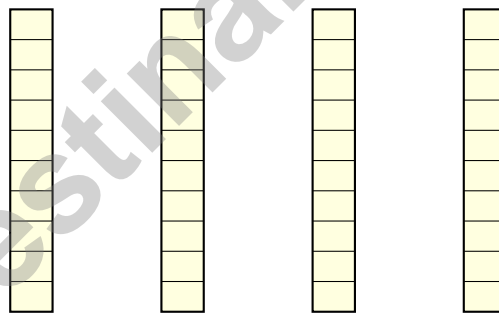
2) A number line from 0 to 1 has 6 equal parts. The dot shown is closest to which fraction?



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

- C. $\frac{1}{5}$
 D. $\frac{4}{6}$

3) How many units are shown by these base-ten rods?

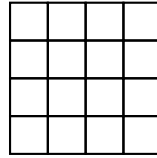


$4 \times 10 = ?$

- A. 14
 B. 40

- C. 410
 D. 140

4) Look at this grid of unit squares:



Which is the area?

- A. 8 sq units C. 16 sq units
 B. 12 sq units D. 20 sq units

5) Find $\frac{9}{3}$.

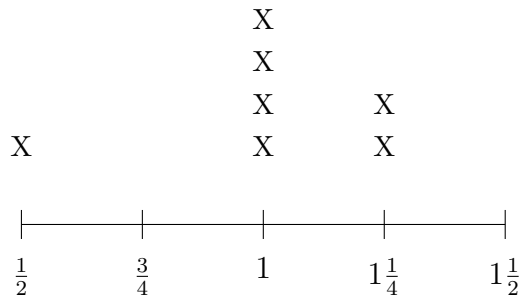
6) Kai skip counts by 6: 6, 12, 18, 24, 30.
Which number should come next?

- A. 32 C. 36
 B. 35 D. 40



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7) A line plot shows pencil lead thicknesses in millimeters: $\frac{1}{2}$, $\frac{3}{4}$, 1, $1\frac{1}{4}$, $1\frac{1}{2}$.



What is the most common thickness?

- | | |
|--|---|
| <input type="checkbox"/> A. $\frac{1}{2}$ mm | <input type="checkbox"/> C. 1 mm |
| <input type="checkbox"/> B. $\frac{3}{4}$ mm | <input type="checkbox"/> D. $1\frac{1}{2}$ mm |

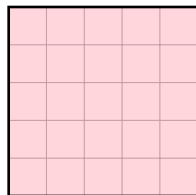
8) What is 4×7 ?

- | | |
|--------------------------------|--------------------------------|
| <input type="checkbox"/> A. 28 | <input type="checkbox"/> C. 35 |
| <input type="checkbox"/> B. 32 | <input type="checkbox"/> D. 39 |

9) $418 + 275 = ?$

- | | |
|---------------------------------|---------------------------------|
| <input type="checkbox"/> A. 693 | <input type="checkbox"/> C. 683 |
| <input type="checkbox"/> B. 792 | <input type="checkbox"/> D. 783 |

10) This rectangle on a grid has how many unit squares?



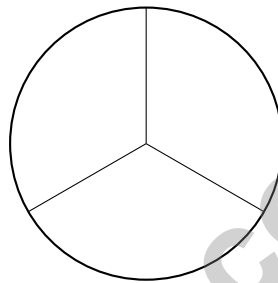
- | | |
|---|---|
| <input type="checkbox"/> A. 20 sq units | <input type="checkbox"/> C. 30 sq units |
| <input type="checkbox"/> B. 25 sq units | <input type="checkbox"/> D. 35 sq units |



1) Which statement is true?

- A. One-half means dividing a whole into 3 equal parts
 C. One-fourth means dividing a whole into 3 equal parts
 B. One-third means dividing a whole into 3 equal parts
 D. One-sixth means dividing a whole into 5 equal parts

2) A circle is divided into equal parts. Each part is $\frac{1}{3}$ of the circle. How many equal parts is the circle divided into?

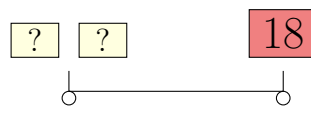


- A. 2 parts C. 4 parts
 B. 3 parts D. 6 parts

3) Which grouping makes a factor of 10 first when finding $(2 \times 5) \times 3$?

- A. $(2 \times 5) \times 3$ because $2 \times 5 = 10$ C. $(2 + 5) \times 3$ because $2 + 5 = 7$
 B. $2 \times (5 \times 3)$ because $5 \times 3 = 15$ D. Neither grouping works

4) A balance scale is in balance. One side has 2 equal boxes. The other side has a weight labeled 18. What is the weight of each box?



$$2 \times \square = 18$$

- A. 8 C. 10
 B. 11 D. 9



5) Ben divides 35 trading cards equally among 5 friends. How many cards does each friend get?

A. 30

C. 6

B. 8

D. 7

6) Noah's rectangular bedroom floor is 10 feet long and 8 feet wide. Calculate the area of his bedroom floor.

7) If a number line from 0 to 1 has 8 equal parts, how far is the fifth tick from 0?

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

C. $\frac{5}{8}$

B. $\frac{4}{8}$

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

8) A square has side length 6 inches. What is its area?

9) Look at this pattern: 10, 20, 30, 40.

What is the next number?

A. 45

C. 55

B. 60

D. 50



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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

- 1) **Choice B is correct.** (3.NF.A.3d) Same numerator: sixths are bigger pieces than eighths. Five sixths is greater than five eighths.
- 2) **Choice A is correct.** (3.NF.A.2) The dot is at the first tick out of six equal parts, so it represents $\frac{1}{6}$.
- 3) **Choice B is correct.** (3.NBT.A.3) Each base-ten rod represents 10. With 4 rods, we have $4 \times 10 = 40$.
- 4) **Choice C is correct.** (3.MD.C.5b) $4 \times 4 = 16$ unit squares, area is 16 square units.
- 5) **The correct answer is 3.** (3.NF.A.3c) $\frac{9}{3} = 3$.
- 6) **Choice C is correct.** (3.OA.D.9) Add 6 each time: $30 + 6 = 36$. This is skip counting by 6.
- 7) **Choice C is correct.** (3.MD.B.4) At 1 mm there are 4 X's, which is the highest count.
- 8) **Choice A is correct.** (3.OA.C.7) $4 \times 7 = 28$. Count by 7s four times: 7, 14, 21, 28.
- 9) **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.
- 10) **Choice B is correct.** (3.MD.C.6) This is a square: $5 \times 5 = 25$ unit squares.
- 11) **Choice B is correct.** (3.MD.B.3) Remaining: $6 - 2 = 4$ symbols. Total crayons: $4 \times 2 = 8$.
- 12) **Choice A is correct.** (3.OA.A.4) To find the number of hours, divide total dollars by dollars per hour: $56 \div 8 = 7$.
- 13) **Choices A and C are correct.** (3.OA.A.3) Choices A and C involve finding a total from equal groups. B, D, and E involve subtraction or addition of separate quantities.
- 14) **Choice B is correct.** (3.OA.B.6) $28 \div 4 = \square$ means $\square \times 4 = 28$. Since $7 \times 4 = 28$, the answer is 7. Option A ($6 \times 4 = 24$) is off-by-one. Option D confuses the divisor with the quotient.
- 15) **Choice A is correct.** (3.MD.C.5a) A unit square has sides 1 unit long. Multiple unit squares are arranged with no gaps or overlaps to measure the area of shapes, following CCSS 3.MD.C.5.b.
- 16) **Choice C is correct.** (3.MD.C.7d) Left: $6 \times 5 = 30$ sq ft. Right: $4 \times 3 = 12$ sq ft. Total: $30 + 12 = 42$ sq ft.
- 17) **Choice B is correct.** (3.MD.D.8) $P = 2(7) + 2(2) = 14 + 4 = 18$ units.
- 18) **Choice C is correct.** (3.NBT.A.1) The ones digit is 8. Since $8 \geq 5$, round up: 608 rounds to 610.
- 19) **The correct answer is 48 square units.** (3.MD.C.7c) $8 \times 6 = 48$ square units.
- 20) **Choice B is correct.** (3.G.A.1) A rectangle has 4 vertices where the sides meet at corners. A circle has no vertices because it has no straight sides or corners.
- 21) **Choice C is correct.** (3.NF.A.1) Picture C shows a rectangle divided into 4 equal parts with 1 part shaded, which is $\frac{1}{4}$.
- 22) **Choice A is correct.** (3.NF.A.3a) Both bars show the same shaded region (one-half of each bar). They are equivalent fractions.
- 23) **Choice B is correct.** (3.NF.A.2a) Four equal parts on the number line give unit fraction $\frac{1}{4}$.
- 24) **Choice A is correct.** (3.MD.A.1) 4 : 00 to 4 : 40 is 40 minutes.
- 25) **Choice D is correct.** (3.MD.C.7b) Area = length \times width = $6 \times 5 = 30$ square yards.
- 26) **Choice D is correct.** (3.OA.A.1) The array shows 3 columns with 4 squares in each column. This means $4 + 4 + 4 = 12$ or $3 \times 4 = 12$.
- 27) **The correct answer is 1050 g.** (3.MD.A.2) Add: $300 + 400 + 350 = 1050$ g.
- 28) **Choice D is correct.** (3.OA.A.2) $35 \div 7 = 5$. The blocks are divided equally among the friends.
- 29) **Choice A is correct.** (3.OA.D.8) Step 1: Team A total: $4 + 5 = 9$ goals. Step 2: How many more than Team B: $9 - 6 = 3$ more goals. Choices A and B both work (parentheses clarify order), but A is clearer.
- 30) **Choice A is correct.** (3.NF.A.3b) Both bars show the same shaded length. $\frac{3}{6} = \frac{1}{2}$ because $\frac{1 \times 3}{2 \times 3} = \frac{3}{6}$.

Practice Test 2 Answers and Explanations



Hi, Hero!

◇ Once there was a Grade 3 student who took 7 practice tests. At first, the math was tricky. But this student kept showing up, kept trying, and kept learning. By the end, the student became a math hero. That hero is you! ◇

★ **Storytellers know:** every story has a hard middle. The hard middle is where heroes grow. You lived your hard middle. Your story ends with confidence! ★

Your Hero Toolkit

- **Brave Heart:** You try hard problems.
- **Sharp Mind:** You think carefully before you act.
- **Steady Hand:** You write neatly and check.
- **Kind Spirit:** You are patient with yourself.

Storyteller tip: on test day, remember the hero you became. The chapters before today made you stronger. Now write your best chapter!

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

Jay Daie

Your Math Storyteller

PRACTICE TODAY. MASTER TOMORROW.

This book is designed to help **Grade 3** students strengthen their math skills through focused practice and real progress.

- ✓ 7 full-length practice tests
- ✓ Aligned to Grade 3 standards
- ✓ Build confidence and achieve success
- ✓ Review, answer keys, and explanations



EACH PRACTICE TEST INCLUDES:



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Questions



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Question
Types



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