



Nevada

Smarter Balanced

— **GRADE 3** —

MATH

PRACTICE TESTS

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



6 Full-Length
Practice Tests



Detailed Answer Keys
and Explanations



Master Skills.
Boost Scores.
Succeed!

6 Nevada Smarter Balanced Grade 3 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Six complete 30-question practice labs 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 Six Skill Labs

Six full tests, six focused resets, and a stronger Grade 3 problem solver



Notice the pattern. Choose a tool. Explain the answer.

To the Grade 3 Math Builder

This book gives you six practice labs for the Nevada Smarter Balanced. Each lab is a complete 30-question test, so students can practice accuracy, stamina, and clear mathematical thinking.

Nevada brings desert valleys, mountain roads, bright city lights, and dry lake beds. Strong math uses that same care: read the task, select a strategy, build the solution, and keep focus when details compete for attention.

Decode

Find the question, the units, and the useful numbers.

Design

Use an equation, array, number line, graph, or sketch.

Confirm

Make sure the answer matches the question.

Six-lab promise: I will work with patience, show useful thinking, and treat corrections as part of learning.

How to Use This Book

A six-lab routine for steady Grade 3 growth

Use one practice lab at a time. The goal is not only to finish more pages. The goal is to finish, review, repair, and bring a smarter habit to the next test. For Nevada students, each lab is a short route through desert valleys, mountain roads, bright city lights, and dry lake beds: steady, alert, and ready for the next clue.

1. **Warm up.** Skim the reference materials and remind yourself of common tools.
2. **Take one test.** Work steadily and mark problems that need a second look.
3. **Check answers.** Use the compact answer keys first.
4. **Read explanations.** Study missed items and any lucky guesses.
5. **Redo two problems.** Rewrite the work cleanly without peeking.
6. **Set the next lab goal.** Choose one skill or habit to improve.

Best review habit: A mistake is most useful when you can say why it happened and what you will do differently next time.



What Is Inside?

Six complete practice tests with review support

Part	What You Do	Why It Helps
Practice Tests 1–6	Solve six different 30-question tests.	Build stamina and see Grade 3 skills mixed together.
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.

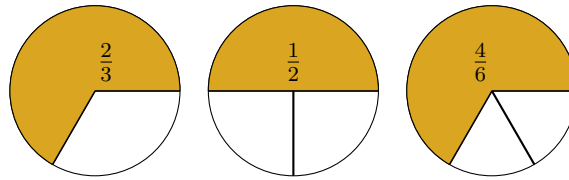


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For more practice
& answers

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5) Look at the pies. Which two fractions are equivalent?



- A. The first and second
 - B. The second and third
 - C. The first and third
 - D. All three
- 6) A rectangular piece of fabric is 10 feet long and 2 feet wide. What is the total area of the fabric?
- A. 12 sq ft
 - B. 20 sq ft
 - C. 24 sq ft
 - D. 5 sq ft

Two Fountains

Fountain A



8000 mL

Fountain B



6000 mL

7)

A park has two water fountains. Fountain A holds 8000 mL and Fountain B holds 6000 mL. Which fountain holds less water?

- A. Fountain A
- B. Fountain B
- C. Both hold the same
- D. Cannot determine



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For more practice
& answers

1) A line plot records student pencil lengths: $6, 6\frac{1}{4}, 6\frac{1}{2}, 6\frac{3}{4}, 7$ inches. There are 1 X at 6, 2 X's at $6\frac{1}{4}$, 3 X's at $6\frac{1}{2}$, 1 X at $6\frac{3}{4}$, and 1 X at 7. How many pencils are shorter than $6\frac{3}{4}$ inches?

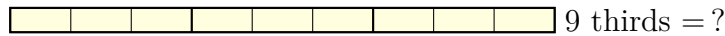
 A. 3

 C. 7

 B. 6

 D. 8

2) The bar shows $\frac{9}{3}$. What whole number is this?


 A. 3

 C. 9

 B. 6

 D. 2

3) A recipe calls for 3 kg of flour. Noah already has 1500 g. How many more grams does he need?

 A. 1000 g

 C. 2000 g

 B. 1500 g

 D. 3000 g

4) Ravi has 4 bags with 5 toys each and loses 8 toys. How many toys are left?

5) Ben bought 3 packs of erasers. Each pack has 8 erasers. How many erasers did Ben buy?

 A. $8 \times 3 = 24$
 C. $3 \times 3 = 9$
 B. $3 + 8 = 11$
 D. $8 + 8 = 16$

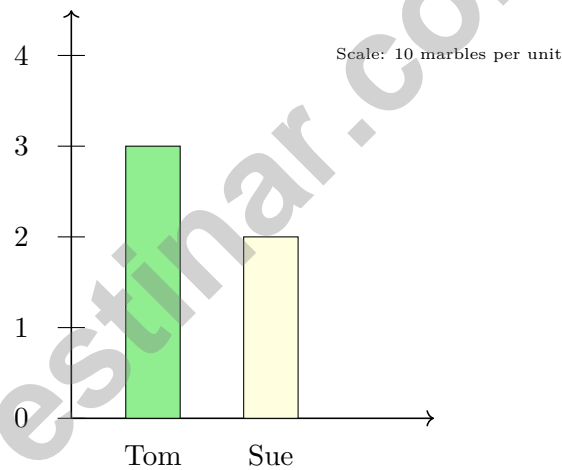

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6) What is 513 rounded to the nearest 10?

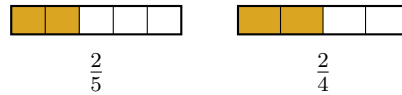
- A. 500 C. 513
 B. 520 D. 510

7) Find $27 \div 3$. (Hint: Think of a multiplication fact: $\square \times 3 = 27$)

8) A bar graph shows marbles. The scale is 10 marbles per unit. Read the bars and find how many more marbles one person has.



- A. Tom has 10 more marbles. C. Sue has 10 more marbles.
 B. Tom has 20 more marbles. D. They have the same number.



1)

Using the bars, which is true?

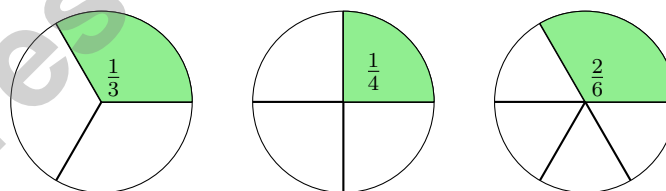
- A. $\frac{2}{5} > \frac{2}{4}$
 C. $\frac{2}{5} = \frac{2}{4}$
 B. $\frac{2}{5} < \frac{2}{4}$
 D. Cannot compare

2) What fraction is equivalent to both $\frac{2}{4}$ and $\frac{3}{6}$?

3) Ava has 27 marbles. She shares them equally among 3 friends. How many marbles does each friend get?

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

4) Look at the pies. Which statement is correct?



- A. All three are equivalent
 C. The first and third are equivalent
 B. The first and second are equivalent
 D. None are equivalent



Scan me!
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& answers

5) Lily and Mia are comparing rectangles. Lily's rectangle is 6 units long and 5 units wide. Mia's rectangle is 7 units long and 4 units wide. Who has the larger area?

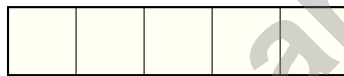
- A. Mia
 B. Lily
 C. They are equal
 D. Cannot be determined

6) Which equation matches "sharing 30 items equally among 5 people"?

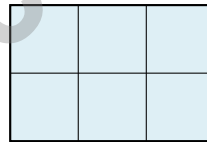
- A. $30 + 5 = 35$
 B. $30 - 5 = 25$
 C. $5 \times 30 = 150$
 D. $30 \div 5 = 6$

7) $902 - 418 = ?$

- A. 484
 B. 494
 C. 584
 D. 394



A: 5×1



B: 3×2

8)

Which rectangle has an area of 6 unit squares?

- A. Rectangle A
 B. Rectangle B
 C. Both have the same area
 D. Neither has an area of 6

9) A T-shaped living area has parts with areas 12 sq units, 9 sq units, and 9 sq units. What is the total area?

- A. 30 sq units
 B. 21 sq units
 C. 36 sq units
 D. 108 sq units



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 C is correct.** **(3.MD.C.7d)** First: $5 \times 3 = 15$ sq units. Two others: $2 \times 3 = 6$ each. Total: $15 + 6 + 6 = 27$ sq units.
- 2) **Choice D is correct.** **(3.OA.A.2)** $21 \div 3 = 7$. The picture shows 3 equal groups, each with 7 items.
- 3) **Choice C is correct.** **(3.NBT.A.1)** The ones digit is 6. Since $6 \geq 5$, round up: 816 rounds to 820.
- 4) **Choice C is correct.** **(3.NF.A.3a)** $\frac{4}{6} = \frac{2}{3}$ because both represent two-thirds of the poster.
- 5) **Choice C is correct.** **(3.NF.A.3)** $\frac{2}{3}$ and $\frac{4}{6}$ show the same shaded amount.
- 6) **Choice B is correct.** **(3.MD.C.7b)** Area = length \times width = $10 \times 2 = 20$ square feet.
- 7) **Choice B is correct.** **(3.MD.A.2)** 8000 mL is more than 6000 mL. So Fountain B holds less.
- 8) **Choice D is correct.** **(3.NF.A.2b)** $\frac{3}{3} = 1$, so the tick is at the right endpoint of the 0-to-1 segment.
- 9) **Choice C is correct.** **(3.MD.C.6)** Count bottom part: $6 \times 2 = 12$ squares. Count top-right part: $4 \times 2 = 8$ squares. Total: $12 + 8 = 20$ unit squares.
- 10) **Choice B is correct.** **(3.NF.A.3b)** Pie 1 shows $\frac{1}{2}$ (half shaded) and Pie 3 shows $\frac{2}{4}$ (half shaded). Both represent the same amount: $\frac{1 \times 2}{2 \times 2} = \frac{2}{4}$.
- 11) **Choice D is correct.** **(3.OA.C.7)** $6 \times 7 = 42$. You can count by 7s: 7, 14, 21, 28, 35, 42.
- 12) **The correct answer is 7.** **(3.OA.B.6)** $42 \div 6 = 7$ because $7 \times 6 = 42$. The multiplication fact helps us solve the division problem.
- 13) **Choice B is correct.** **(3.NF.A.3c)** When numerator = denominator, the fraction equals 1 whole. $\frac{3}{3} = 1$.
- 14) **Choice B is correct.** **(3.G.A.2)** If 5 out of 8 parts are colored, then $8 - 5 = 3$ parts are not colored, which is $\frac{3}{8}$.
- 15) **The correct answer is 4 sides.** **(3.G.A.1)** A rectangle is a quadrilateral, so it has 4 sides.
- 16) **Choices A and C are correct.** **(3.MD.C.5a)** Choice A is correct: a unit square has a side length of 1 unit. Choice C is correct: it is the building block for measuring area. Choice B is wrong (area is 1 square unit, not 2). Choice D is wrong (all sides are equal to 1 unit). Choice E is wrong (color is not part of the definition).
- 17) **Choice C is correct.** **(3.MD.C.7)** Area = $6 \times 3 = 18$ square units. You can also count by adding: $3 + 3 + 3 + 3 + 3 + 3 = 18$ (six rows of three units each).
- 18) **Choice B is correct.** **(3.NF.A.2)** $\frac{2}{4} = \frac{1}{2}$, so $\frac{2}{4}$ and $\frac{1}{2}$ are the same point on the number line.
- 19) **Choice C is correct.** **(3.NF.A.2a)** Eighths are small pieces, so $\frac{1}{8}$ is close to 0 compared to halves or thirds.
- 20) **Choice C is correct.** **(3.NBT.A.3)** The pattern shows: each time we multiply by a multiple of 10 that is 10 more, the product increases by 30. From $3 \times 60 = 180$ to 3×70 , we add another 30 to get 210. Or: $3 \times 7 = 21$, then multiply by 10 to get 210.
- 21) **Choice A is correct.** **(3.NBT.A.2)** Ones: $8 + 5 = 13$ (write 3, carry 1). Tens: $0 + 7 + 1 = 8$. Hundreds: $3 + 1 = 4$. Answer: 483.
- 22) **Choice A is correct.** **(3.NF.A.3d)** Same numerator: fourths are smaller pieces than thirds. One fourth is smaller than one third.
- 23) **Choice A is correct.** **(3.MD.A.1)** At 9:33, the minute hand points to 33 minutes, just past the 6. The hour hand is between 9 and 10. Clock A shows this correctly.
- 24) **Choice A is correct.** **(3.OA.B.5)** Option A shows 6 rows and 3 columns. By the commutative property, $3 \times 6 = 6 \times 3 = 18$. Flipping rows and columns shows the same product in a different order.
- 25) **Choice D is correct.** **(3.OA.D.8)** Step 1: Remove damaged: $80 - 20 = 60$ books. Step 2: Divide by shelves: $60 \div 4 = 15$ books per shelf.
- 26) **Choice D is correct.** **(3.OA.A.3)** Area of a square = side \times side = $5 \times 5 = 25$ cm².
- 27) **Choice A is correct.** **(3.NF.A.1)** The circle is divided into 6 equal parts. One part is shaded, so the shaded fraction is $\frac{1}{6}$ (one-sixth).
- 28) **Choice B is correct.** **(3.MD.C.5b)** $9 \times 7 = 63$ unit squares cover the tile.
- 29) **Choice D is correct.** **(3.OA.A.4)** Divide: $15 \div 3 = 5$. Each unknown weight is 5. Check: $5 \times 3 = 15$.



Hi, Math Detective!

◇ You did such a great job! You finished 6 tests like a real detective. You found the clues, used your tools, and solved the math. ◇

★ **Detectives know:** good work takes time. You took your time. You looked carefully. You found the answers! ★

Your Detective Skills

- **Sharp Eyes:** You notice the small details.
- **Smart Plans:** You pick the right way to solve.
- **Brave Heart:** You try even when it's tricky.
- **Steady Work:** You finish what you start.

Detective tip: on test day, look carefully at each problem. Underline important words. Then solve like the detective you are!

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

Jay Daie

Your Math Detective Helper

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This **Grade 3 Math Practice Tests** book is the perfect companion for students who want to strengthen their math skills and excel in school. With **6** full-length practice tests designed to reflect real test formats, students get the practice they need to understand key concepts, build problem-solving skills, and tackle any challenge with confidence.

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