

3

Nevada

Smarter Balanced

GRADE 3 MATH PRACTICE TESTS

Standards-Aligned
Practice for Stronger
Math Skills and
Test Readiness



Build Confidence
with Targeted Practice

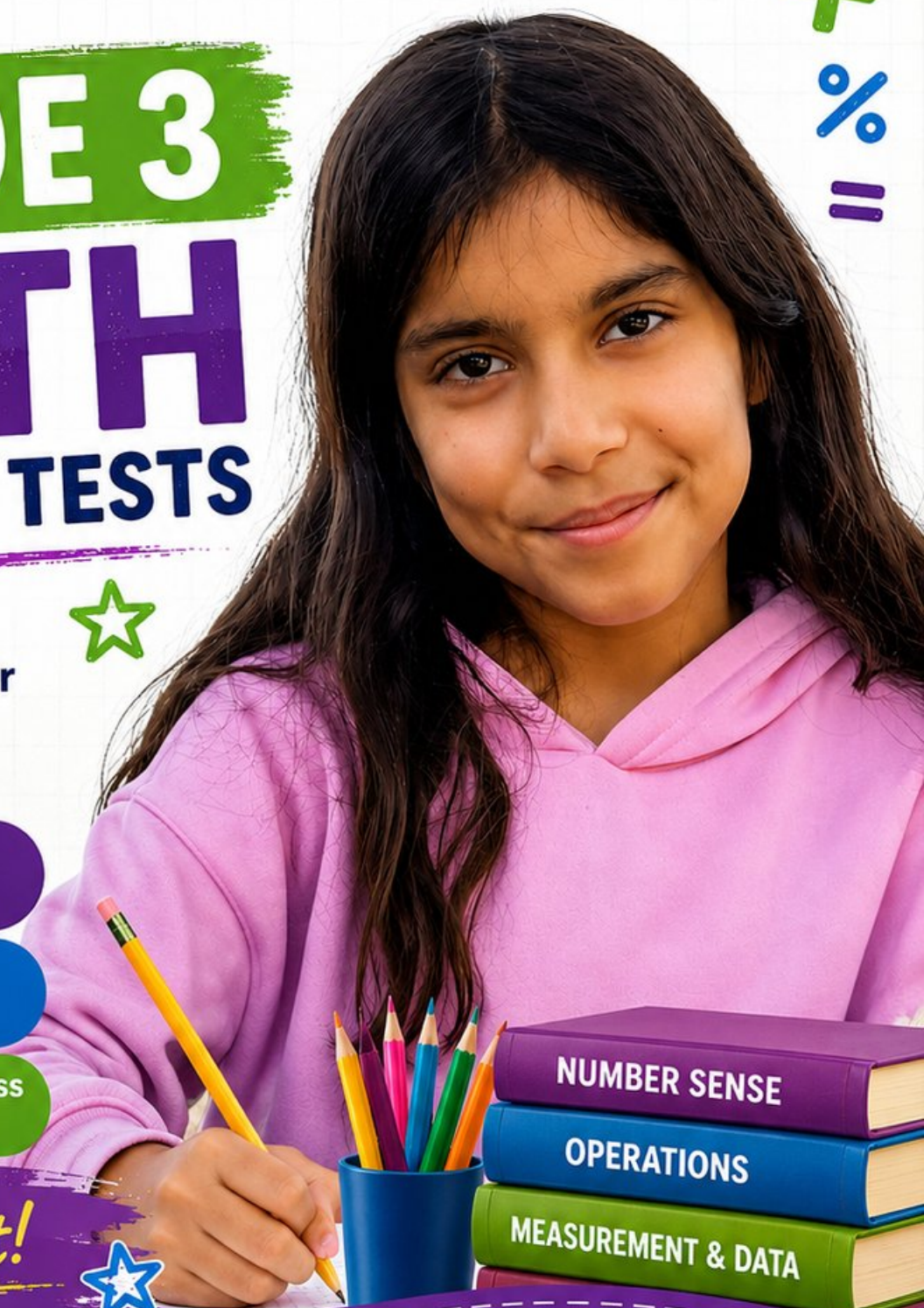


Strengthen Skills
in Key Math Concepts



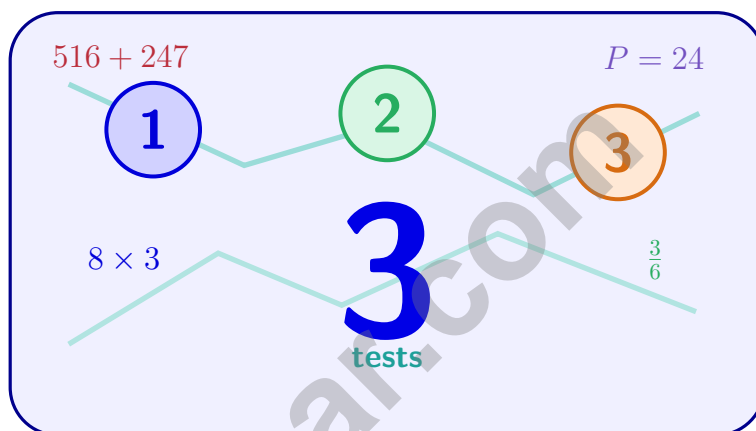
Improve Test Readiness
with Realistic Practice

Be Ready.
Do Your Best!



3 Nevada Smarter Balanced Grade 3 Math Practice Tests

Standards-Aligned Practice for Stronger Math Skills and Test Readiness



Three 30-question trail tests packed with Grade 3 review, Nevada Smarter Balanced strategy tips, answer keys, and step-by-step explanations that turn every miss into the next move.

Jay Daie and Reza Nazari



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Welcome to the Nevada Math Trail

Three tests, one trail, and a stronger Grade 3 thinker at the end



To the Grade 3 Trail Scout

This book is your practice trail for the Nevada Smarter Balanced. You will multiply and divide, read graphs, work with fractions, measure time, find area, and explain your thinking – one trail marker at a time.

Some problems will feel quick, like a clear stretch of wide open trail. Some will ask you to slow down, draw, count, or try again. That slow part is where strong math grows. Every page gives your brain another chance to spot, choose, and build.

Spot

Read carefully and find what the problem is really asking.

Sketch

Use numbers, arrays, number lines, or labels to make your thinking visible.

Signal

Check that your answer makes sense before you wave the next question on.

Trail promise: I will read like a tracker, sketch like a planner, and check like a careful scout. I do not have to be perfect to keep moving forward.

How to Use This Book

A four-step trail plan that turns practice into progress

Step 1: Pack Your Pack

Read the Quick Review first.
Wake up the Grade 3 ideas you will need before you set foot on the trail.

Step 2: Hit the Trail

Take one full test.
Thirty questions. Pencil sharp, work shown, calm pace – one marker at a time.

Step 3: Campfire Check

Check answers honestly.
Circle missed questions. Star any problem that felt confusing – those are tomorrow’s clues.

Step 4: Track Back

Fix a few mistakes.
Read the explanation, rework the problem, and carry that lesson up the next stretch of trail.

A Three-Week Trail Plan

Week 1	Hike Test 1. Map what feels strong and what needs a second look.
Week 2	Hike Test 2. Sharpen the habits: read slow, sketch the model, label every number.
Week 3	Hike Test 3. Bring everything – facts, models, checks, and calm focus.

Best trail habit: Do not only ask, “What did I score?” Ask, “What did I learn how to do better?”



Test Overview

What waits on the trail and what each practice test builds

Each practice test has 30 questions. Together they walk you through the kind of math thinking the Nevada Smarter Balanced asks Grade 3 students to use: read carefully, choose a strategy, show work, and check whether an answer makes sense.

Selected-Response Questions

Pick the best answer from the choices. Strong scouts estimate first, cross out answers that cannot be right, and reread the question before circling.

Open-Ended Questions

Write the answer and show the thinking. A clear response uses neat numbers, helpful labels, and a short model or explanation.

Grade 3 Ideas You Will Meet on the Trail

- multiplication, division, arrays, equal groups, and fact fluency
- rounding, adding, subtracting, and multiplying by multiples of 10
- fractions, number lines, equivalent fractions, and comparing fractions
- time, mass, liquid volume, picture graphs, bar graphs, and line plots
- area, perimeter, unit squares, rectangles, and shapes
- two-step word problems and explaining a solution path

What strong Smarter Balanced work looks like: the scout reads the whole problem, picks a sensible strategy, writes numbers neatly, labels the answer, and checks that the answer truly fits the question.



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1) A rectangle has a length of 5 meters and a width of 2 meters. Find the area.

A. 7 sq meters

C. 14 sq meters

B. 10 sq meters

D. 25 sq meters

2) Round 756 to the nearest 100.

A. 700

C. 756

B. 750

D. 800

3) What number makes the equation true?

$$\square \div 2 = 9$$

A. 19

C. 17

B. 16

D. 18

4) A square has how many right angles?



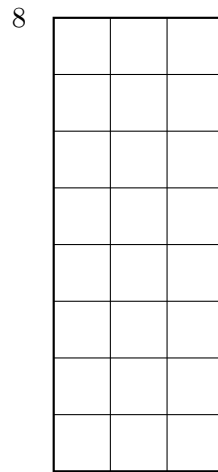
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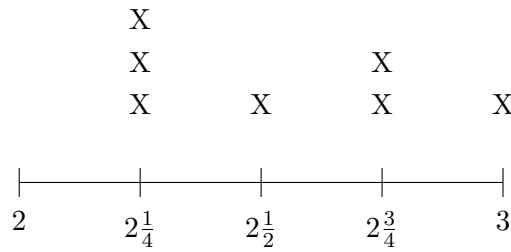


5)

How many unit squares fit in this tall rectangle?

 A. 11 B. 18 C. 24 D. 836) A 7×6 rectangle is shown with one dimension split. Which equation matches? A. $7 \times 6 = 7 \times (4 + 2) = (7 \times 4) + (7 \times 2) = 28 + 14 = 42$ C. $7 \times 6 = 7 + 6 + 4 + 2 = 19$ D. $7 + 6 = 13$ B. $7 \times 6 = 6 \times (3 + 3) = 18 + 18$ 

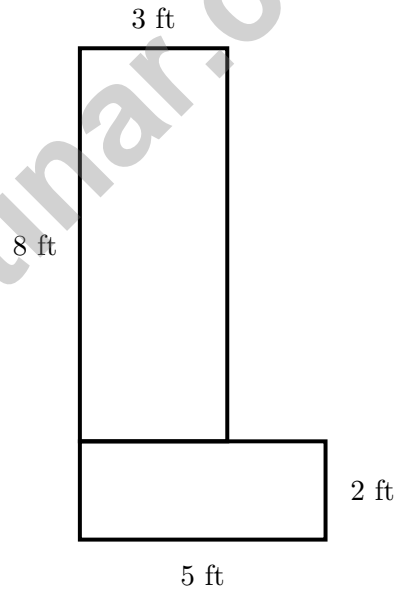
7) A line plot displays cookie weights in ounces: $2, 2\frac{1}{4}, 2\frac{1}{2}, 2\frac{3}{4}, 3$.



What weight has exactly 2 cookies?

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

8) An L-shaped garden is divided into two rectangles by a dashed line. The vertical part is 3 ft by 8 ft. The horizontal part is 5 ft by 2 ft. What is the total area?



- A. 10 sq ft C. 34 sq ft
 B. 24 sq ft D. 240 sq ft



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1) Which product is the greatest?

A. $7 \times 40 = 280$

B. $8 \times 30 = 240$

C. $6 \times 50 = 300$

D. $9 \times 20 = 180$

2) What is the missing number? $28 \div \square = 7$

A. 3

B. 6

C. 5

D. 4

3) Mia's desk is a square with sides of 4 feet. What is the area of her desk?

A. 8 sq ft

B. 12 sq ft

C. 16 sq ft

D. 20 sq ft

4) Look at this rectangle covered exactly by unit squares:



Count the unit squares. What is the area?

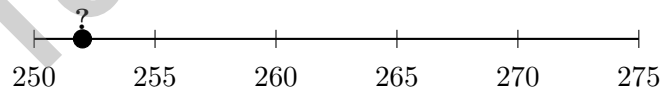
A. 7 sq units

B. 12 sq units

C. 14 sq units

D. 24 sq units

5)



Look at the number line. The number marked ? is closest to which value when rounded to the nearest 10?

A. 250

B. 265

C. 260

D. 270



6) Which comparison is true?

A. $\frac{2}{2} < \frac{2}{3}$

C. $\frac{2}{3} > \frac{2}{2}$ ($3 > 2$)

B. $\frac{2}{2} > \frac{2}{3}$ ($2/2 = \text{whole}$, $2/3 < \text{whole}$)

D. $\frac{2}{3} = \frac{2}{2}$

7) A unit square measures 1 foot by 1 foot. Sam needs to cover a floor that is 5 feet long and 4 feet wide. How many unit squares (tiles) does he need?



8) Lily has 2 equal pieces of a sandwich. She eats 1 piece. What fraction did she eat?

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

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

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

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

9) A rectangle has length 8 cm and width 5 cm. What is its perimeter?

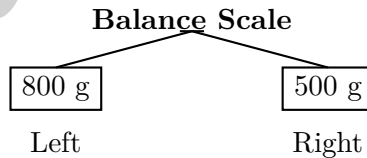
A. 13 cm

C. 40 cm

B. 26 cm

D. 80 cm

10)



Which side of the balance scale is heavier?

A. Left side

C. Both sides equal

B. Right side

D. Cannot tell



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- 1) Ava skip counts by 2s: 2, 4, 6, 8, 10.

What do all these numbers have in common?

- A. They are all odd
 B. They are all multiples of 3
 C. They are all greater than 5
 D. They are all even

- 2) A classroom gets $48 \div 6$ pencils, then 2 more. How many pencils does it have?

- 3) A rectangle has a width of 3 feet and a length of 8 feet. The rectangle has 8 rows with 3 unit squares in each row. Find the area by adding: $3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 = ?$

- A. 11 sq ft
 B. 16 sq ft
 C. 24 sq ft
 D. 32 sq ft

- 4) Find $(2 \times 3) \times 4$.

- 5) A number line from 0 to 1 has tick marks that divide it into equal parts. There are 5 tick marks total (counting 0 and 1). How many equal parts are there?

- A. 3
 B. 4
 C. 5
 D. 6



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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 builds stronger math habits.

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Practice Test Answers and Explanations

Practice Test 1 Answers and Explanations

- 1) **Choice B is correct.** (3.MD.C.7) Area = $5 \times 2 = 10$ square meters. This is 5 rows of 2 unit squares (or $2+2+2+2+2 = 10$).
- 2) **Choice D is correct.** (3.NBT.A.1) The tens digit is 5. Since $5 \geq 5$, round up: 756 rounds to 800.
- 3) **Choice D is correct.** (3.OA.A.4) Multiply: $9 \times 2 = 18$. Check: $18 \div 2 = 9$.
- 4) **The correct answer is 4 right angles.** (3.G.A.1) A square has 4 right angles.
- 5) **Choice C is correct.** (3.MD.C.7a) Tall rectangle: $3 \times 8 = 24$ square units. D is concatenation error.
- 6) **Choice A is correct.** (3.MD.C.7c) Splitting 6 into $4 + 2$ and using the distributive property gives the same total area of 42.
- 7) **Choice C is correct.** (3.MD.B.4) At $2\frac{3}{4}$, there are exactly 2 X's.
- 8) **Choice C is correct.** (3.MD.C.7d) Vertical part: $3 \times 8 = 24$ sq ft. Horizontal part: $5 \times 2 = 10$ sq ft. Total: $24 + 10 = 34$ sq ft.
- 9) **Choice D is correct.** (3.OA.A.2) Measurement division: $40 \div 5 = 8$. There are 8 groups of 5 in 40.
- 10) **Choice D is correct.** (3.MD.C.6) Area = $6 \times 8 = 48$ square meters.
- 11) **Choice D is correct.** (3.OA.A.3) Divide: $56 \div 8 = 7$ cartons.
- 12) **Choice C is correct.** (3.NF.A.3c) $\frac{10}{2}$ means 10 halves. 2 halves make 1 whole, so $10 \div 2 = 5$ wholes.
- 13) **Choice B is correct.** (3.MD.A.1) $3 : 45 - 12 \text{ min} = 3 : 33 \text{ PM}$.
- 14) **Choices A and D are correct.** (3.NF.A.3) $\frac{2}{8}$ and $\frac{1}{4}$ both name one-fourth of a whole. The other choices are not equivalent to $\frac{1}{4}$.
- 15) **Choice B is correct.** (3.MD.C.7b) Area = length \times width = $7 \times 3 = 21$ square yards.
- 16) **Choice D is correct.** (3.NF.A.2b) $\frac{3}{4}$ of the distance from 0 to 4 means $\frac{3}{4} \times 4 = 3$. This lands at the 3 mark.
- 17) **Choice D is correct.** (3.MD.C.5) Rectangle A: $2 \times 6 = 12$ square units. Rectangle B: $3 \times 4 = 12$ square units. Both have the same area.
- 18) **Choice D is correct.** (3.OA.B.6) If $35 \div \square = 7$, rewrite this as a missing-factor problem: $7 \times \square = 35$. We ask: 7 times what gives 35? Since $7 \times 5 = 35$, the missing divisor is 5. This shows division working backwards from multiplication.
- 19) **Choice B is correct.** (3.NF.A.2) $\frac{2}{6}$ equals $\frac{1}{3}$ because both represent the same point on the line. You can simplify $\frac{2}{6}$ to $\frac{1}{3}$.
- 20) **The correct answer is 10 feet.** (3.MD.D.8) $40 \div 4 = 10$ ft per side.
- 21) **Choice D is correct.** (3.MD.A.2) Add: $300 + 200 = 500$ mL.
- 22) **Choice B is correct.** (3.NF.A.3d) Same numerator (1), different denominators: halves are bigger pieces than fourths. So $\frac{1}{2} > \frac{1}{4}$. Mia ate more because she had one piece of a larger size.
- 23) **Choice C is correct.** (3.MD.B.3) Count the stars and multiply by the scale: $3 \times 2 = 6$ stickers.
- 24) **Choice C is correct.** (3.NF.A.3a) $\frac{1}{2} = \frac{3}{6}$ because both represent one-half of the ribbon.
- 25) **Choice B is correct.** (3.NF.A.1) The rectangle has 3 equal parts, and 1 part is shaded. The unit fraction is $\frac{1}{3}$ (one-third).
- 26) **Choice A is correct.** (3.G.A.2) If 4 out of 6 parts are shaded, then $6 - 4 = 2$ parts are not shaded, which is $\frac{2}{6}$.
- 27) **The correct answer is $\frac{2}{6}$.** (3.NF.A.3b) Multiply the numerator and denominator by 2: $\frac{1 \times 2}{3 \times 2} = \frac{2}{6}$.
- 28) **Choice C is correct.** (3.OA.D.8) Step 1: Total money: $15 + 20 = 35$ dollars. Step 2: Subtract spent: $35 - 18 = 17$ dollars left.
- 29) **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.
- 30) **Choice C is correct.** (3.MD.C.5b) Count the rows: 3 rows. Count across: 9 unit squares per row. Total: $9 + 9 + 9 = 27$ square units cover the carpet.



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Notes From the Math Gardener

Hi, Math Gardener!

◇ Look at how much you grew! 3 tests is like 3 weeks of taking care of your math garden. Every problem was a seed. Every try was water. ◇

★ **Gardeners say:** growth takes time. You can't see roots, but they are there. You can't always feel smarter, but you are. Your math garden is full! ★

Garden Check-Up

- **Roots:** STRONG! Your basic math is solid.
- **Stems:** STURDY! You can do step-by-step problems.
- **Leaves:** GREEN! You have lots of math tools.
- **Flowers:** BRIGHT! You feel proud of your work.

Gardener tip: keep watering your math garden long after the test. Every habit you built will grow with you for years!

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

Jay Daie

Your Math Gardener

3 GRADE 3 MATH PRACTICE TESTS

Practice Today. *Succeed* Tomorrow!



Give your child the tools to build strong math skills and test confidence!

This book includes 3 full-length Grade 3 Math practice tests that mirror real test formats and cover all key math standards. With a wide range of question types and real-world problems, students will gain the practice and confidence they need to do their best!

What's Inside?



Standards-Aligned Practice

Questions designed to cover essential Grade 3 math standards.



Variety of Question Types

Multiple-choice, short answer, and more to build well-rounded skills.



Real-World Applications

Engaging problems that connect math to everyday life.



Step-by-Step Progress

Track improvement and build confidence with every test.



Build Skills & Boost Confidence

Strengthen understanding and feel prepared for test day.

COVERS ALL ESSENTIAL TOPICS

- ✓ Whole Numbers & Operations
- ✓ Fractions & Decimals
- ✓ Algebraic Thinking
- ✓ Geometry
- ✓ Measurement & Data
- ✓ Number Patterns
- ✓ Word Problems
- ✓ Ratio & Proportion
- ✓ Perimeter, Area & Volume
- ✓ Graphing & Data Analysis
- ✓ And More!



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