

3

Washington

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



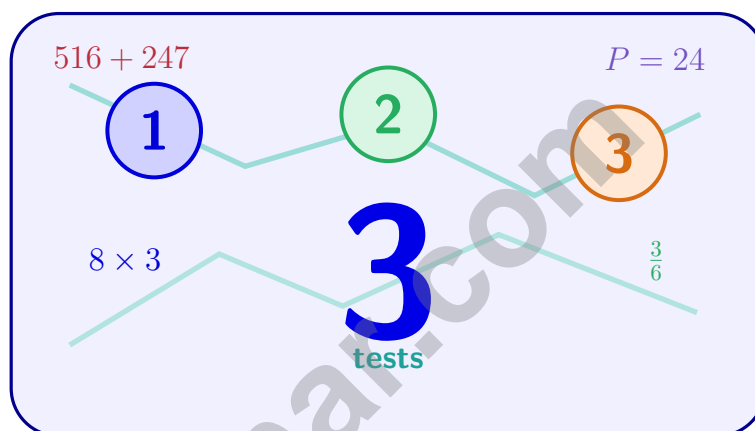
Improve Test Readiness
with Realistic Practice

Be Ready.
Do Your Best!



3 Washington 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, Washington 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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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 Washington 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.



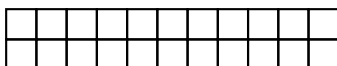
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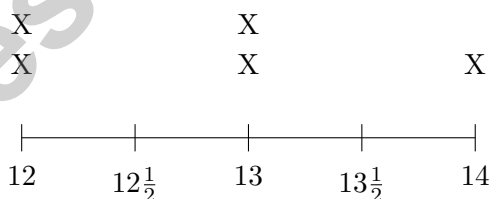
- 7) Look at the fact family: $4 \times 8 = 32$, $8 \times 4 = 32$, $32 \div 4 = 8$, and $32 \div 8 = 4$. If you know that $4 \times 8 = 32$, what is $32 \div 8$?

- 8) Here is a long thin rectangle made of unit squares:



Count the unit squares. What is the area?

- A. 11 sq units (just one row) C. 22 sq units
 B. 13 sq units D. 44 sq units
- 9) A number line from 0 to 1 has one tick mark in the middle. What is the unit fraction?
- A. $\frac{1}{2}$ C. $\frac{1}{4}$
 B. $\frac{1}{3}$ D. $\frac{1}{5}$
- 10) A line plot shows dog heights in inches: 12, $12\frac{1}{2}$, 13, $13\frac{1}{2}$, 14.



Which height has no measurements?

- A. 12 inches C. $13\frac{1}{2}$ inches
 B. $12\frac{1}{2}$ inches D. 14 inches

1) What number makes the equation true?

$$9 \times \square = 54$$

A. 8

C. 7

B. 5

D. 6

2) If you know $4 \times 9 = 36$, which division fact can you write?

A. $36 \div 4 = 8$

C. $36 \div 6 = 6$

B. $45 \div 9 = 5$

D. $36 \div 9 = 4$

3) On a number line from 0 to 1, the first tick is very small and close to zero. Which unit fraction makes sense?

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

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

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

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

4) A square has how many right angles?

5) Two students are solving 3×6 . Amelia says the answer is 18. James says the answer is 9. Who is correct?

A. They are both incorrect

C. They are both correct

B. James is correct

D. Amelia is correct



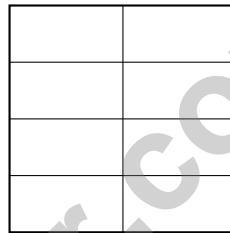
6) Lily knows that $3 \times 6 = 18$. How does this help her find 3×7 ?

- 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

7) Which fraction is the same as $\frac{3}{6}$?

- A. $\frac{1}{3}$ C. $\frac{2}{6}$
 B. $\frac{1}{2}$ D. $\frac{3}{4}$

8) A square is divided into 8 equal parts by drawing 1 vertical line and 3 horizontal lines through the middle. What fraction of the square is one part?



- A. $\frac{1}{4}$ C. $\frac{2}{8}$
 B. $\frac{1}{8}$ D. $\frac{1}{2}$

9)

Bag	Mass
Apples	4 kg
Oranges	2500 g

Which bag is heavier?

- A. The apples (4 kg) C. Both bags weigh the same
 B. The oranges (2500 g) D. Cannot be determined



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1) Round 945 to the nearest 100.

A. 900

C. 945

B. 940

D. 1000

2) Which shape has opposite sides that are parallel and equal in length?

A. Triangle

C. Pentagon

B. Trapezoid

D. Parallelogram

3) Ava sorts apples into 5 equal groups. There are apples in each group. There are 40 apples in total.

$$5 \times \square = 40$$

A. 7

C. 9

B. 6

D. 8

4) Which multiplication fact helps you solve $10 \div 2 = ?$

A. $2 \times 5 = 10$

C. $10 \times 2 = 20$

B. $2 \times 10 = 20$

D. $5 \times 5 = 25$

5) A rectangular garden has length 8 feet and width 3 feet. What is its area in square feet?

A. 24 sq ft

C. 11 sq ft

B. 16 sq ft

D. 32 sq ft

6) $418 + 275 = ?$

A. 693

C. 683

B. 792

D. 783



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.7a)** Multiply length \times width: $4 \times 3 = 12$ tiles. Shows tiling result matches multiplication.
- 2) **Choice D is correct.** **(3.MD.C.5a)** Wall area = $8 \text{ ft} \times 2 \text{ ft} = 16$ square feet = 16 unit-square tiles.
- 3) **Choice A is correct.** **(3.MD.B.3)** Divide total by scale: $12 \div 4 = 3$ icons.
- 4) **Choice B is correct.** **(3.MD.C.5)** Multiply length by width: $10 \times 4 = 40$ square feet.
- 5) **Choice B is correct.** **(3.MD.C.7)** Area = $7 \times 2 = 14$ square inches.
- 6) **Choice B is correct.** **(3.MD.C.7b)** Area = length \times width = $10 \times 2 = 20$ square feet.
- 7) **The correct answer is 4.** **(3.OA.A.4)** In a fact family, if $4 \times 8 = 32$, then $32 \div 8 = 4$. Multiplication and division are inverse operations.
- 8) **Choice C is correct.** **(3.MD.C.5b)** Count the rows: 2 rows. Count across: 11 unit squares per row. Total: $11 + 11 = 22$ square units.
- 9) **Choice A is correct.** **(3.NF.A.2a)** One mark in the middle divides into 2 equal parts, each $\frac{1}{2}$.
- 10) **Choice C is correct.** **(3.MD.B.4)** Looking at the line plot, the mark at $13\frac{1}{2}$ has no X's above it, so there are no measurements at that height.
- 11) **Choice C is correct.** **(3.MD.A.2)** Add: $1000 + 800 = 1800$ g.
- 12) **Choice B is correct.** **(3.NF.A.3)** $\frac{2}{4}$ and $\frac{3}{6}$ mark the same point and are equivalent.
- 13) **Choice B is correct.** **(3.NF.A.2)** Each tick is $\frac{1}{4}$ of the distance from 0 to 1. The second tick is 2 copies of $\frac{1}{4} = \frac{2}{4}$.
- 14) **Choice C is correct.** **(3.G.A.2)** If each part is $\frac{1}{8}$, the square is divided into 8 equal parts.
- 15) **Choice B is correct.** **(3.MD.D.8)** $P = 2(5) + 2(2) = 10 + 4 = 14$ cm.
- 16) **Choices A and C are correct.** **(3.OA.B.5)** A shows $5 \times (3 + 2) = 5 \times 3 + 5 \times 2$, which is the distributive property. C shows $3 \times (2 + 4) = 3 \times 2 + 3 \times 4$, also distributive. B is commutative, D is associative, and E is just a fact.
- 17) **The correct answer is 1.** **(3.NF.A.3a)** $\frac{2}{4} = \frac{1}{2}$, so she ate 1 half.
- 18) **Choice D is correct.** **(3.OA.A.3)** Multiply: 3 groups \times 5 stars per group = 15 stars.
- 19) **Choice C is correct.** **(3.OA.C.7)** $9 \times 4 = 36$. You can think of 4 nines or 9 fours: $9 + 9 + 9 + 9 = 36$.
- 20) **Choice C is correct.** **(3.NF.A.3b)** Multiply numerator and denominator by 4: $\frac{1 \times 4}{2 \times 4} = \frac{4}{8}$.
- 21) **Choice C is correct.** **(3.OA.D.8)** Step 1: Total cookies: $6 \times 8 = 48$ cookies. Step 2: Divide into boxes: $48 \div 4 = 12$ boxes.
- 22) **Choice A is correct.** **(3.OA.A.1)** Three packs with eight erasers each is 3 groups of 8, which equals $3 \times 8 = 24$ or $8 \times 3 = 24$. Option B is the addition misconception. Option C uses only one factor. Option D is incomplete (only two groups).
- 23) **Choice B is correct.** **(3.G.A.1)** A trapezoid is defined by having exactly one pair of parallel sides. This is what makes it different from a parallelogram.
- 24) **The correct answer is 28 sq ft.** **(3.MD.C.6)** Students should use either row-counting or column-counting and show repeated addition or skip-counting.
- 25) **Choice D is correct.** **(3.OA.B.6)** $32 \div 4 = \square$ means $\square \times 4 = 32$. Since $8 \times 4 = 32$, each box has 8 cars.
- 26) **Choice C is correct.** **(3.NBT.A.3)** 8 rows of 30 seats = $8 \times 30 = 240$ seats. Multiply $8 \times 3 = 24$, then add one zero.
- 27) **Choice A is correct.** **(3.NBT.A.2)** Ones: $4 + 2 = 6$. Tens: $2 + 1 = 3$. Hundreds: $5 + 3 = 8$. Answer: 836.
- 28) **Choice C is correct.** **(3.MD.A.1)** From 3 : 34 to 4 : 34 is 1 hour or 60 minutes. From 4 : 19 to 4 : 34 is 15 minutes. So from 3 : 34 to 4 : 19 is $60 - 15 = 45$ minutes.
- 29) **Choice A is correct.** **(3.NF.A.3d)** Same numerator (3): three fourths covers more of its bar than three sixths covers of its bar. Fourth's are bigger pieces than sixth's.
- 30) **Choice C is correct.** **(3.NF.A.3c)** 5 wholes = $\frac{5}{1}$. Any whole number with denominator 1 equals that number. (A) equals 1, (B) is a unit fraction, (D) is more than 2 but not 5 wholes.



Ahoy, Math Sailor!

◇ You sailed through 3 full tests. Some waters were calm. Some waters were rough. You kept your boat steady the whole way. ◇

★ **Captain's truth:** good sailors stay calm. They use the wind. They check the map. You did all those things on every test. ★

Sailor's Skills

- **Steady Hand:** You stay calm even when problems are tricky.
- **Map Skills:** You read each problem carefully.
- **Brave Spirit:** You believe in yourself.
- **Safe Harbor:** You finish what you start.

Captain's tip: on test day, sail steady. Trust the map you built through 3 practice tests. You will reach safe harbor!

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

Jay Daie

Your Math Captain

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

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- ✓ 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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