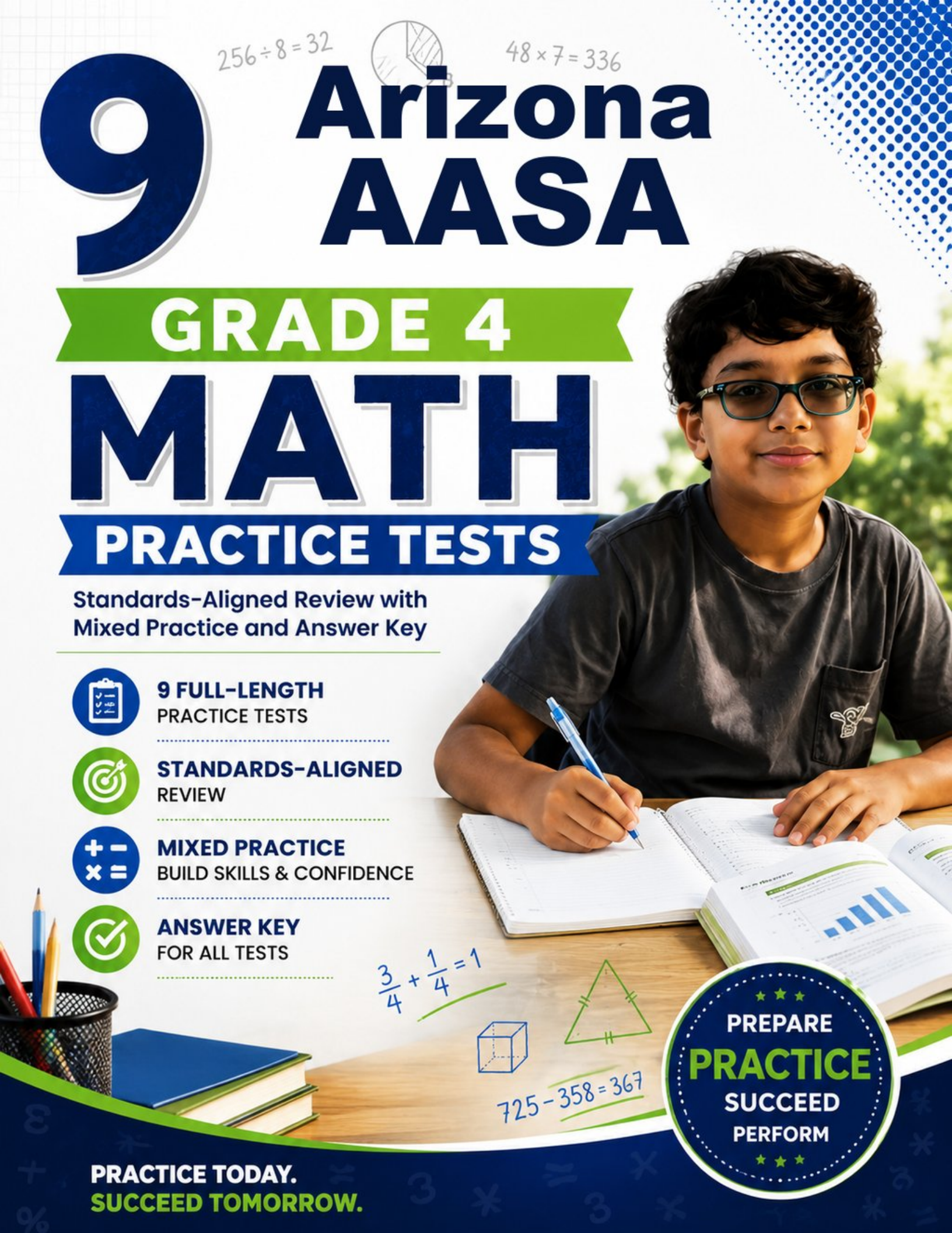
9 Arizona AASA

GRADE 4 MATH

PRACTICE TESTS

Standards-Aligned Review with Mixed Practice and Answer Key

- **9 FULL-LENGTH** PRACTICE TESTS
- **STANDARDS-ALIGNED** REVIEW
- **MIXED PRACTICE** BUILD SKILLS & CONFIDENCE
- **ANSWER KEY** FOR ALL TESTS

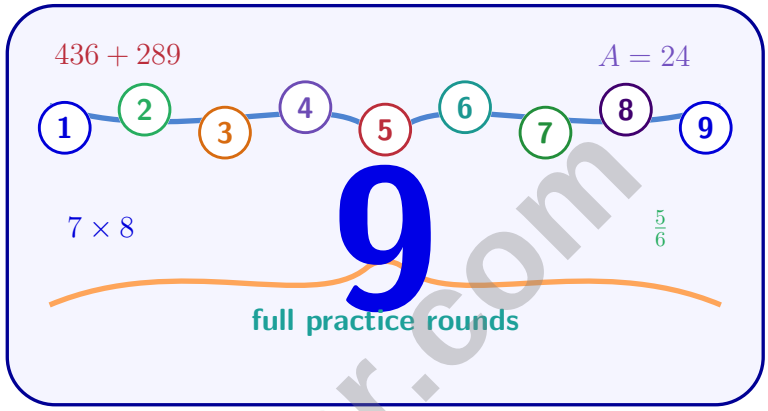


PREPARE
PRACTICE
SUCCEED
PERFORM

PRACTICE TODAY.
SUCCEED TOMORROW.

9 Arizona AASA Grade 4 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Nine complete 30-question Grade 4 practice rounds for AASA, built around canyon trails, desert sunsets, and sharp observation, with answer keys and clear explanations for every item.

Jay Daie and Reza Nazari

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Welcome, Arizona Math Explorer!

Nine steady rounds on the Grand Canyon math route

This book gives you nine full Grade 4 practice tests for AASA. Each round uses canyon trails, desert sunsets, and sharp observation to keep practice memorable while you read carefully, choose a strategy, show work, and check the answer.

Arizona Practice Promise

I will slow down for the question, circle what matters, solve one step at a time, and use mistakes as clues for getting stronger.

How to Use This Book

A ten-session routine for Arizona AASA review

1. **Preview the skills.** Read the quick review pages before the first test.
2. **Take one test at a time.** Treat each round like a stop on the Grand Canyon math route.
3. **Mark your confidence.** Put a small star beside problems you solved with a strong plan.
4. **Check, then retry.** For missed questions, try the problem again before reading the explanation.
5. **Track your next move.** Use the growth log to name one habit and one skill for the next test.

Good rhythm: Test one day, correct carefully the next day, then return for the next round when your corrections feel clear.

What Is Inside?

Nine tests, 270 questions, and a full AASA review path

Part	What You Will Practice
Tests 1–3	Warm-up rounds for reading carefully, choosing operations, and using models.
Tests 4–6	Skill-building rounds with fractions, measurement, area, data, and two-step problems.
Tests 7–9	Stamina rounds for mixed review, neat work, and flexible strategies.
Answer Pages	Compact keys and explanations that show why each answer works.

The tests are mixed on purpose. Real test readiness means recognizing the skill even when the next question changes topic.

Table of Contents

1) Noah measured an angle and found it has 75 one-degree angles. What is the measure of the angle?

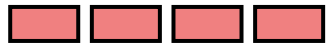
☐ A. 75°
☐ C. 7.5°
☐ B. 150°
☐ D. 750°

2) Find $1\frac{3}{10} + 2\frac{4}{10} + 1\frac{1}{10}$.

3) A juice stand makes 8 pitchers. Each pitcher has 9 cups. They sell 36 cups. How many cups are left?

☐ A. 28
☐ C. 44
☐ B. 72
☐ D. 36

4) In 130,800, what digit is in the hundreds place?



4 pieces, each $\frac{1}{2}$ pound

5)

Each piece above weighs $\frac{1}{2}$ pound. What is the total weight of all 4 pieces?

6) Solve: $\frac{1}{3} + \frac{2}{3} = ?$

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

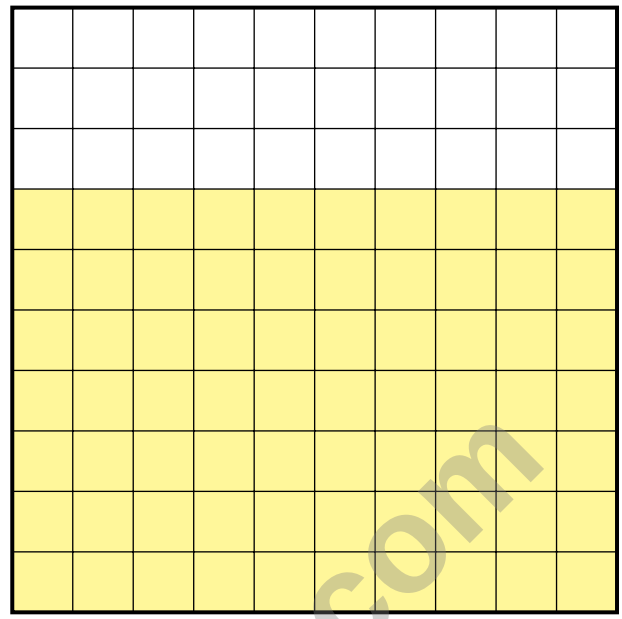
7) Which number is prime?

- ☐ A. 18
- ☐ B. 14
- ☐ C. 16
- ☐ D. 13

8) Ming has 936 marbles. She wants to pack them into bags with 9 marbles each. How many full bags can she make?

- ☐ A. 104
- ☐ B. 99
- ☐ C. 108
- ☐ D. 114

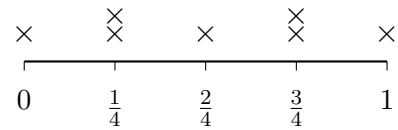
9) Decimal grids show place value. Which decimal matches the shaded grid?



Shaded: 70 out of 100

☐ A. 0.07
☐ B. 0.70
☐ C. 7.0
☐ D. 0.77

10) Here is a line plot with measurements in fourths:



What is the range (difference between highest and lowest values) on this line plot?

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

1) A van can carry 8 students. If there are 360 students going on a field trip, how many vans are needed?

360 students

÷8 students per van

Van 1 Van 2 ..

Total: ? vans

☐ A. 45
☐ B. 42
☐ C. 48
☐ D. 40

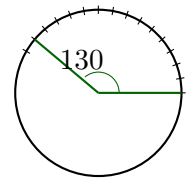
2) A rectangle has a width of 6 feet. The area is 54 square feet. What is the length?

☐ A. 8 ft
☐ B. 9 ft
☐ C. 10 ft
☐ D. 12 ft

3) A bakery makes 25 trays of cookies. Each tray holds 28 cookies. How many cookies are made?

☐ A. 600 cookies
☐ B. 800 cookies
☐ C. 750 cookies
☐ D. 700 cookies

4)



This angle measures 130 degrees. How many one-degree angles does it contain?

☐ A. 65 one-degree angles
☐ B. 130 one-degree angles
☐ C. 260 one-degree angles
☐ D. 13 one-degree angles

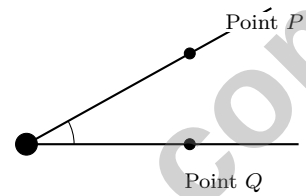
5) Ava buys 3 boxes of markers. Each box has 12 markers. She also buys 6 loose markers. How many markers does she have in total?

☐ A. 30
☐ B. 36
☐ C. 18
☐ D. 42

6) A book has $4\frac{2}{6}$ chapters in Part 1 and $2\frac{3}{6}$ chapters in Part 2. How many chapters total are in both parts?

☐ A. $6\frac{5}{6}$
☐ B. $7\frac{1}{6}$
☐ C. $6\frac{1}{6}$
☐ D. $2\frac{1}{6}$

7)



Two points are marked on the sides of an angle. Which statement is always true?

☐ A. Point P is the vertex
☐ B. Point Q is the vertex
☐ C. Both are on rays
☐ D. Both are at the vertex

8) What is $5 \times \frac{1}{4}$?

☐ A. $\frac{1}{20}$
☐ B. $\frac{4}{5}$
☐ C. $\frac{5}{4}$
☐ D. $\frac{5}{8}$

9) Write $\frac{47}{100}$ as a decimal.

☐ A. 0.047
☐ B. 0.47
☐ C. 4.7
☐ D. 47.0

1) Use the place-value chart below to find the decimal for $\frac{6}{10}$.

Ones	Tenths	Hundredths

☐ A. 0.6
☐ B. 0.06
☐ C. 6.0
☐ D. 60.0

2) Two friends shared a chocolate bar. One friend ate $\frac{5}{10}$ and the other ate $\frac{3}{10}$. What fraction of the chocolate bar was left uneaten?

☐ A. $\frac{2}{10}$
☐ B. $\frac{8}{20}$
☐ C. $\frac{1}{10}$
☐ D. $\frac{8}{10}$

3) Write the numeral for "three hundred nineteen thousand, five hundred two".

4) A rectangle has a length of 8 ft and a width of 5 ft. What is its area?

☐ A. 13 sq ft
☐ B. 26 sq ft
☐ C. 40 sq ft
☐ D. 45 sq ft

5) Round 4,607 to the nearest ten.

☐ A. 4,600
☐ B. 4,700
☐ C. 4,607
☐ D. 4,610

6) A clock hand rotates from 12 o'clock to 3 o'clock (a 90° rotation), then continues to rotate an additional 45°. What is the total angle of rotation?

7) A bead weighs $\frac{1}{10}$ gram. How much do 9 beads weigh?

☐ A. $\frac{1}{90}$ gram
☐ B. $\frac{9}{10}$ grams
☐ C. $\frac{10}{9}$ grams
☐ D. $\frac{9}{90}$ gram

8) Isha ran 0.86 miles. Patel ran 0.68 miles. Who ran farther?

☐ A. Isha (0.86 miles)
☐ B. Patel (0.68 miles)
☐ C. They ran the same distance
☐ D. Patel ran much farther

9) A toy store displays 8 shelves of action figures. Each shelf holds 45 figures. How many figures are on display?

☐ A. 280
☐ B. 400
☐ C. 320
☐ D. 360

10) What is $5 \times \frac{1}{6}$?

☐ A. $\frac{1}{30}$
☐ B. $\frac{6}{5}$
☐ C. $\frac{5}{6}$
☐ D. $\frac{5}{30}$

Practice Test Answer Keys

How to use this section with a Grade 4 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.

Practice Test Answers and Explanations

Practice Test 1 Answers and Explanations

1) **Choice A is correct.** 4.MD.C.5 Since the angle turns through 75 one-degree angles, it measures **75**°.
2) **The correct answer is $4\frac{8}{10}$.** 4.NF.B.3 Add the whole parts to get 4 and the fraction parts to get $\frac{8}{10}$. The answer is $\mathbf{4\frac{8}{10}}$.
3) **Choice D is correct.** 4.OA.A.3 Two steps! Step 1: find the total cups: 8 pitchers ×9 cups = 72 cups. Step 2: take away the cups sold: $72 - 36 = 36$ cups left.
4) **The correct answer is 8.** 4.NBT.A.2 Counting from the right in 130,800: ones, tens, hundreds. The hundreds digit is 8 ✓
5) **The correct answer is 2.** 4.NBT.A.1 All 4 pieces, each weighing $\frac{1}{2}$ pound, weigh $4 \times \frac{1}{2} = \frac{4}{2} = 2$ pounds total.
6) **Choice C is correct.** 4.NF.B.3 Combine thirds: $1 + 2 = 3$ thirds total. That's $\frac{3}{3}$, which is exactly **1** whole.
7) **Choice D is correct.** 4.OA.B.4 Test each number for factors beyond 1 and itself. 13: not even (so not ÷2); digits $1 + 3 = 4$ (not ÷3); doesn't end in 0 or 5 (not ÷5). Only 1×13 works—**prime!** The others are composite: $14 = 2 \times 7$, $16 = 2 \times 8$, $18 = 2 \times 9$.
8) **Choice A is correct.** 4.NBT.B.5 Divide: $9 \div 9 = 1$, bring down the 3 to get $3 \div 9 = 0$ r3, bring down the 6 to get $36 \div 9 = 4$. Ming makes **104** full bags.
9) **Choice B is correct.** 4.NF.C.5 The grid shows 70 shaded squares out of 100, which is seventy hundredths: $0.70 = 0.7$.
10) **Choice D is correct.** 4.MD.B.4 The lowest value on the line plot is 0 inch and the highest is 1 inch. The range is $1 - 0 = \mathbf{1}$ inch.
11) **Choice B is correct.** 4.MD.C.7 On a straight line, angles on both sides add to 180°. Subtract to find the other: $180° - 123° = \mathbf{57}°$.
12) **Choice B is correct.** 4.MD.A.1 Since 1 kilometer = 1,000 meters, multiply: $7 \times 1{,}000 = 7{,}000$ m. The answer is **7,000** m.
13) **Choice B is correct.** 4.NF.A.1 Compare the shading to the benchmark. Option B shades the same amount as the benchmark ($\frac{1}{2}$): $\frac{4}{8} = \frac{1}{2}$. Option A ($\frac{2}{6}$) shades much less.
14) **Choice A is correct.** 4.NF.B.3 Both pieces are used out of 2 equal pieces, which is $\frac{2}{2}$. As a sum of unit fractions: $\frac{1}{2} + \frac{1}{2}$.
15) **Choice B is correct.** 4.MD.A.3 Using $P = 2\ell + 2w = 50$ with $\ell = 15$: $2(15) + 2w = 50$. Simplify: $30 + 2w = 50$, so $2w = 20$, thus $w = 10$ ft.
16) **Choice C is correct.** 4.G.A.3 A regular hexagon (6 equal sides) is perfectly balanced in six ways. Lines can pass through opposite corners, or through the middle of opposite sides—each creates matching halves. The answer is **6** lines of symmetry.
17) **Choice D is correct.** 4.NBT.A.3 We're rounding to the nearest ten. Look at the ones digit: 5. Since $5 \geq 5$, we round UP! The tens digit goes from 3 to 4, giving us **2,740**. ✓
18) **The correct answer is A, C.** 4.OA.A.2 "3 times as many" means $3 \times 12 = 36$ blue balloons—that's choice A. And the expression 3×12 in choice C is exactly the calculation we just did, so it's correct too. B (24) and D (15) come from wrong operations, and E uses + instead of ×.
19) **Choice C is correct.** 4.NF.A.1 Look at the bars: $\frac{2}{5}$ is less than half (barely), $\frac{3}{6}$ is exactly half. Only $\frac{5}{8}$ clearly passes the halfway mark.
20) **Choice B is correct.** 4.MD.C.5 Two 60° angles account for 120°. Remaining: $360° - 120° = 240°$. Number needed: $240° \div 60° = 4$ more angles.
21) **Choice A is correct.** 4.NBT.A.1 Starting at 0, we make 3 jumps forward, each of size $\frac{1}{5}$. The final red circle shows we land at $3 \times \frac{1}{5} = \frac{3}{5}$.
22) **Choice A is correct.** 4.NF.B.3 Count the shaded squares. Light: 4 squares out of 16. Dark: 8 squares. Together: $4 + 8 = 12$, so $\frac{4}{16} + \frac{8}{16} = \frac{12}{16}$ ✓.
23) **Choice C is correct.** 4.MD.A.2 Each bottle holds 750 mL. With 2 bottles, multiply: $750 \times 2 = 1{,}500$ mL. There are **1,500** milliliters of water.
24) **Choice B is correct.** 4.NF.C.5 The fraction $\frac{7}{10}$ equals 7 tenths, which is 0.7 or 0.70.

Hi, Math Champion!

◇ You trained hard! 9 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

PRACTICE TODAY. ACHIEVE TOMORROW!

This Grade 4 Math Practice Tests book is designed to help students strengthen essential math skills, build confidence, and develop the problem-solving abilities needed for classroom success and test readiness.

With 9 full-length practice tests, students gain repeated exposure to important Grade 4 concepts while learning how to approach questions with accuracy, confidence, and strong mathematical thinking.

Whether used at home, in the classroom, or for independent review, this book provides meaningful practice that helps students grow stronger with every test.

PERFECT FOR:

- Classroom Practice
- Homework & Review
- Independent Learning
- Test Preparation
- Skill Reinforcement

CONFIDENCE IN MATH. SUCCESS FOR LIFE.

WHAT STUDENTS WILL GAIN

Stronger Math Skills
Build a solid foundation through targeted practice and review.

Better Problem Solving
Develop logical thinking and effective solution strategies.

Test Confidence
Become familiar with test-style questions and formats.

Track Progress
Measure growth across multiple practice tests.

Academic Success
Strengthen skills needed for future learning.

TOPICS COVERED

- Place Value & Number Sense
- Multi-Digit Addition & Subtraction
- Multiplication & Division
- Fractions & Equivalent Fractions
- Geometry & Shapes
- Measurement & Data
- Perimeter & Area
- Word Problems
- Patterns & Algebraic Thinking
- Graphs & Data Interpretation
- Mathematical Reasoning
- And More!

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MORE PRACTICE. GREATER RESULTS.

Give your child the tools needed to develop strong math skills, confidence, and a positive attitude toward learning.

A COMPLETE PRACTICE EXPERIENCE TO HELP STUDENTS THRIVE!

- Builds Confidence Through Practice
- Strengthens Critical Thinking & Problem Solving
- Encourages Independent Learning
- Prepares Students for Future Success