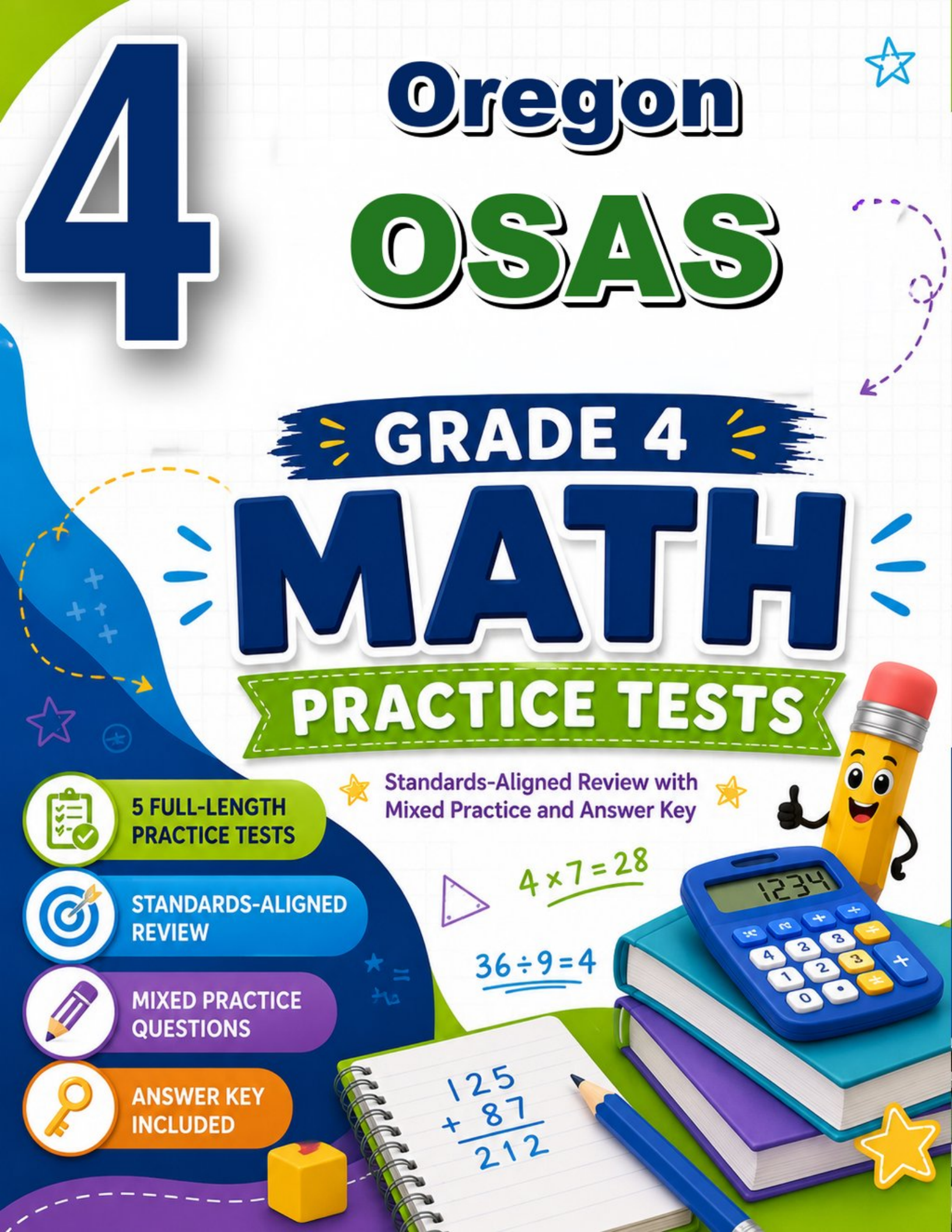
4 Oregon OSAS

GRADE 4 MATH PRACTICE TESTS

Standards-Aligned Review with Mixed Practice and Answer Key

- 5 FULL-LENGTH PRACTICE TESTS
- STANDARDS-ALIGNED REVIEW
- MIXED PRACTICE QUESTIONS
- ANSWER KEY INCLUDED



4 Oregon OSAS Grade 4 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key

Four focused 30-question missions for Grade 4 math: number facts, fractions, measurement, data, area, shapes, answer keys, and clear explanations for every item.

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Welcome, Oregon Math Explorer!

Four steady rounds on the Beaver State math route

This book gives you four full Grade 4 practice tests for OSAS. Each round uses forest paths, coast cliffs, and thoughtful model drawing to keep practice memorable while you read carefully, choose a strategy, show work, and check the answer.

Oregon 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 Oregon OSAS 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 Beaver State 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?

Four tests, 120 questions, and a full OSAS review path

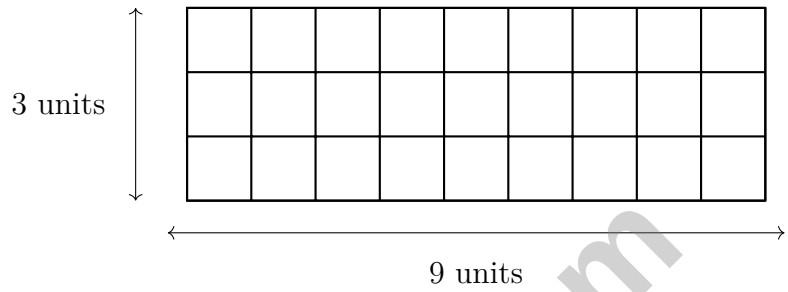
Part	What You Will Practice
Tests 1–3	Warm-up rounds for reading carefully, choosing operations, and using models.
Tests 2–4	Skill-building rounds with fractions, measurement, area, data, and two-step problems.
Tests 2–4	Stamina rounds for mixed review, neat work, and flexible strategies.
Answer Pages	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) Which fraction is less than 1?

☐ A. $\frac{4}{3}$
☐ B. $\frac{9}{8}$
☐ C. $\frac{7}{10}$
☐ D. $\frac{6}{5}$



2)

What is the area of the rectangle shown?

☐ A. 27 sq units
☐ B. 24 sq units
☐ C. 12 sq units
☐ D. 36 sq units

3) How many $\frac{1}{3}$ are there in the expression $\frac{1}{3} + \frac{1}{3} + \frac{1}{3} + \frac{1}{3} + \frac{1}{3} + \frac{1}{3}$?

☐ A. 3
☐ B. 6
☐ C. 9
☐ D. 12

4) Look at the bar models. What is the relationship?

Bar A: 3 units

Bar B: 12 units

☐ A. Bar A is 2 times Bar B
☐ B. Bar B is 3 times Bar A
☐ C. Bar A and Bar B are the same
☐ D. Bar B is 4 times Bar A

5) Compare the angles shown. Which statement is true?

Angle A **Angle B**

☐ A. Angle A is larger than Angle B
☐ B. Angle B is larger than Angle A
☐ C. Both angles are equal
☐ D. Cannot be determined from the diagram

6)

One whole (4 fourths)

The bar shows $\frac{2}{4}$ is shaded. If you have 3 such bars, how much is shaded in total?

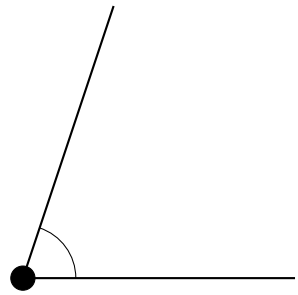
☐ A. $\frac{6}{4}$ (or $1\frac{1}{2}$)
☐ B. $\frac{2}{12}$
☐ C. $\frac{3}{4}$
☐ D. $\frac{5}{4}$

7) Which list shows only multiples of $\frac{1}{4}$?

☐ A. $\frac{1}{2}, \frac{3}{5}, \frac{1}{4}$
☐ B. $\frac{2}{4}, \frac{1}{4}, \frac{3}{4}$
☐ C. $\frac{1}{4}, \frac{2}{8}, \frac{1}{12}$
☐ D. $\frac{1}{5}, \frac{2}{5}, \frac{3}{5}$

8) Maya painted $\frac{6}{9}$ of her bedroom wall on Monday and $\frac{2}{9}$ on Tuesday. What fraction of the wall did she paint in total?

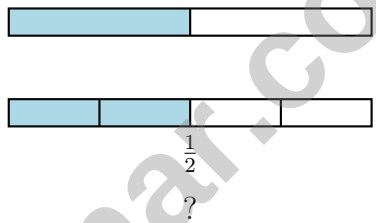
9)



A straight angle measures 180 degrees. Is this angle more or less than 180 degrees?

- ☐ A. More than 180 degrees
- ☐ B. Exactly 180 degrees
- ☐ C. Less than 180 degrees
- ☐ D. Cannot tell from the picture

10) Look at the two fraction bars. Both bars are the same length.



Which fraction should replace the question mark?

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

11) What is 12,389 rounded to the nearest thousand?

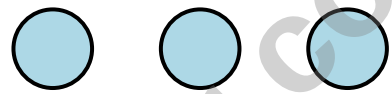
- ☐ A. 10,000
- ☐ B. 12,400
- ☐ C. 13,000
- ☐ D. 12,000

1) What is $7 \times \frac{1}{3}$ as a fraction?

2) Which attribute is true for a square?

☐ A. Four equal sides and four right angles
☐ B. Three angles and three sides
☐ C. One pair of parallel sides
☐ D. Four different side lengths

3)



$\frac{2}{8}$ liter $\frac{2}{8}$ liter $\frac{2}{8}$ liter

Each container holds $\frac{2}{8}$ liter. How many liters are in 3 containers?

☐ A. $\frac{6}{8}$ liters (or $\frac{3}{4}$ liters)
☐ B. $\frac{2}{24}$ liter
☐ C. $\frac{3}{8}$ liter
☐ D. 3 liters

4) A function rule is "divide by 2." Complete the table:

Input	4	8	12	20
Output	2	4	6	?

☐ A. 8
☐ B. 15
☐ C. 12
☐ D. 10

5) Which fraction is equivalent to $\frac{1}{2}$ and has a denominator of 100?

☐ A. $\frac{50}{100}$
☐ B. $\frac{25}{100}$
☐ C. $\frac{75}{100}$
☐ D. $\frac{100}{100}$

6) A water jug contains 3 liters. How many milliliters is this?

☐ A. 300
☐ B. 3,000
☐ C. 30,000
☐ D. 300,000

1) In the number 3,817, the digit 8 represents which of these?

☐ A. 8 ones
☐ B. 8 tens
☐ C. 8 hundreds
☐ D. 8 thousands

2) Which decimal represents $\frac{60}{100}$?

☐ A. 0.06
☐ B. 0.6
☐ C. 6.0
☐ D. 0.66

3) Which decimal is between 0.70 and 0.80?

☐ A. 0.68
☐ B. 0.75
☐ C. 0.82
☐ D. 0.69

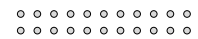
4) Mia arranged 24 stickers into arrays. Which array does NOT show a factor pair of 24?

A. 4×6

B. 5×5

C. 3×8

D. 2×12



☐ A. 4×6
☐ B. 5×5
☐ C. 3×8
☐ D. 2×12

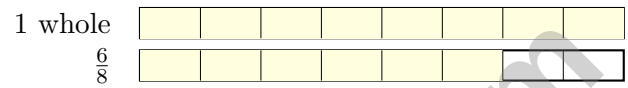
5) A pattern of tiles is shown:

Figure 1 Figure 2 Figure 3

How many tiles are in Figure 7?

☐ A. 12
☐ B. 18
☐ C. 16
☐ D. 14

6) A board is $\frac{14}{8}$ inches long. Decompose this as a mixed number:



☐ A. $1\frac{6}{8} = \frac{8}{8} + \frac{6}{8}$
☐ B. $2\frac{1}{8} = \frac{16}{8} + \frac{1}{8}$
☐ C. $1\frac{3}{8} = \frac{8}{8} + \frac{3}{8}$
☐ D. $1\frac{5}{8}$ inches

7) Estimate by rounding to the nearest thousand: $26{,}345 - 8{,}912 = ?$

☐ A. About 18,000
☐ B. About 20,000
☐ C. About 19,000
☐ D. About 17,000

8) What is 38×25?

☐ A. 800
☐ B. 1000
☐ C. 850
☐ D. 950

9) Use these two place-value charts to compare:

	100,000s	10,000s	1,000s	100s	10s	1s
Chart 1	1	2	8	3	7	2
Chart 2	1	2	8	4	2	3

Which is true?

☐ A. $128{,}372 > 128{,}423$
☐ B. Cannot determine
☐ C. $128{,}372 = 128{,}423$
☐ D. $128{,}372 < 128{,}423$

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 C is correct.** 4.NF.A.1 A fraction is less than 1 when the numerator is less than the denominator. In $\frac{7}{10}$, $7 < 10$ ✓. The other three have numerators bigger than denominators.
2) **Choice A is correct.** 4.GM.B.6 The grid shows 9 units by 3 units. Area $= 9 \times 3 = 27$ sq units.
3) **Choice B is correct.** 4.NF.B.3 Look at the expression: $\frac{1}{3} + \frac{1}{3} + \frac{1}{3} + \frac{1}{3} + \frac{1}{3} + \frac{1}{3}$. Count them: **6** copies of $\frac{1}{3}$.
4) **Choice D is correct.** 4.OA.A.1 Compare the bars by dividing the longer by the shorter: $12 \div 3 = 4$. So Bar B is **4** times as long as Bar A.
5) **Choice B is correct.** 4.GM.A.1 Angle A is small (around 67°), but Angle B opens much wider — almost like a right angle. Angle B definitely wins the size competition!
6) **Choice A is correct.** 4.NF.B.4 With 3 bars and each showing $\frac{2}{4}$ shaded, we have $3 \times \frac{2}{4} = \frac{6}{4} = 1\frac{1}{2}$ shaded in total.
7) **Choice B is correct.** 4.NF.B.4 All count by fourths: $2 \times \frac{1}{4} = \frac{2}{4}$, $1 \times \frac{1}{4} = \frac{1}{4}$, and $3 \times \frac{1}{4} = \frac{3}{4}$.
8) **The correct answer is $\frac{8}{9}$.** 4.NF.B.3 Maya painted her bedroom wall over two days. Add the fractions with like denominators: $\frac{6}{9} + \frac{2}{9} = \frac{8}{9}$ of the wall was painted in total.
9) **Choice C is correct.** 4.GM.C.7 This angle is not a straight line, so it measures less than 180 degrees. It is much smaller than a straight angle.
10) **Choice D is correct.** 4.NF.A.1 The shaded parts in both bars cover the same length, even though the second bar has more pieces. When you divide each half into 2 more pieces, $\frac{1}{2}$ becomes $\frac{2}{4}$—same amount, more pieces.
11) **Choice D is correct.** 4.NBT.A.3 We're rounding to the nearest thousand. Look at the hundreds digit: 3. Since $3 < 5$, we round DOWN and keep the thousands digit as 2, giving us **12,000**. ✓
12) **Choice B is correct.** 4.GM.B.4 The tank needs 3 liters per day for 5 days. Multiply: $3 \times 5 = 15$ liters. He needs **15** liters of water.
13) **Choice A is correct.** 4.NF.C.5 The tenths bar shows 7 tenths $= \frac{70}{100}$. The hundredths grid shows 50 hundredths. Comparing: $\frac{70}{100} > \frac{50}{100}$.
14) **Choice B is correct.** 4.NF.B.4 The numerator 7 tells us we have 7 copies of the unit fraction. The denominator 10 tells us the unit fraction is $\frac{1}{10}$. So $\frac{7}{10} = 7 \times \frac{1}{10}$.
15) **Choice C is correct.** 4.GM.A.3 A regular octagon (8 equal sides) is balanced in eight ways. Lines can pass through opposite corners or through the middle of opposite sides—each creates matching halves. The answer is **8** lines of symmetry.
16) **Choice B is correct.** 4.NF.C.5 When you say "zero point nineteen" out loud, you're reading the decimal 0.19.
17) **Choice D is correct.** 4.OA.B.4 Start at 5 and apply "add 7" twice: $5 \rightarrow 12 \rightarrow$ **19**. The 3rd term is **19**.
18) **The correct answer is A, E.** 4.GM.C.8 Statements A and E are both correct definitions of angle types. B is incorrect because protractors measure angles, not length in centimeters. C is incorrect because a straight angle measures 180 degrees, not 90 degrees. D is incorrect because the vertex must be placed at the center point of the protractor, not at the curved edge.
19) **Choice A is correct.** 4.GM.C.7 Divide the degrees by 360: $\frac{45}{360} = \frac{1}{8}$ (simplifying by 45). Answer: $\frac{1}{8}$.
20) **Choice D is correct.** 4.NF.B.4 We take 3 copies of $\frac{4}{6}$. Multiply: $3 \times \frac{4}{6} = \frac{3 \times 4}{6} = \frac{12}{6} = 2$. The answer is **2**.
21) **Choice B is correct.** 4.GM.A.2 Perpendicular sides meet at 90-degree angles, as indicated by the right angle marker shown in the figure. A rectangle has all adjacent sides perpendicular to each other. The answer is **B**.
22) **Choice C is correct.** 4.NBT.A.2 Only C is true: 100,000 = 100,000. The other statements don't work: A and B involve different number sizes, and D reverses the comparison ✓
23) **The correct answer is** 5,433. 4.NBT.B.4 Subtracting from 10,000 chains a regrouping all the way across. Borrow from the ten-thousands ($1 \rightarrow 0$); the three middle zeros become 9s and the ones becomes 10. Now: $10 - 7 = 3$, $9 - 6 = 3$, $9 - 5 = 4$, $9 - 4 = 5$, $0 - 0 = 0$. Result: **5,433**. ✓
24) **Choice C is correct.** 4.DR.A.1 On the line plot, $\frac{1}{4}$ inch has 2 X marks, while $\frac{3}{4}$ inch has 3 X marks. So $\frac{3}{4}$ inch has the most.

Hi, Math Pilot!

◇ 4 flights done in your math airplane. You have flown through smooth skies and bumpy clouds. You are a real pilot now. ◇

⋆ **Pilots know:** a good check before takeoff makes a smooth flight. Before each problem, do your check: read, plan, solve, verify. ⋆

Pilot Skills

- **Pre-Flight:** You read the question carefully.
- **Steering:** You pick the right strategy.
- **Smooth Flight:** You stay calm in long tests.
- **Landing:** You always check your final answer.

Pilot tip: on test day, take off one problem at a time. Trust your training. You earned your wings!

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

Jay Daie

Your Math Pilot

PRACTICE TODAY, SUCCEED TOMORROW!

This Grade 4 Math Practice Tests book is the perfect tool to help students build strong math skills, master key concepts, and gain the confidence they need to excel.

With 4 full-length practice tests, a variety of question types, and detailed answer explanations, students get the review and practice they need to strengthen problem-solving skills and achieve their best.

Perfect for classroom use, homework, test preparation, and extra practice at home.

PERFECT FOR:

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

CONFIDENCE TODAY. SUCCESS TOMORROW!

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.

Prepare for Success
Build the confidence needed to do your best on test day.

TOPICS COVERED

- Place Value & Number Sense
- Addition & Subtraction
- Multiplication & Division
- Fractions & Decimals
- Geometry & Measurement
- Data, Graphs & Line Plots
- Perimeter & Area
- Patterns & Algebraic Thinking
- Word Problems
- And More!

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