

9

$$256 \div 8 = 32$$



$$48 \times 7 = 336$$

Delaware DeSSA

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**



$$\frac{3}{4} + \frac{1}{4} = 1$$



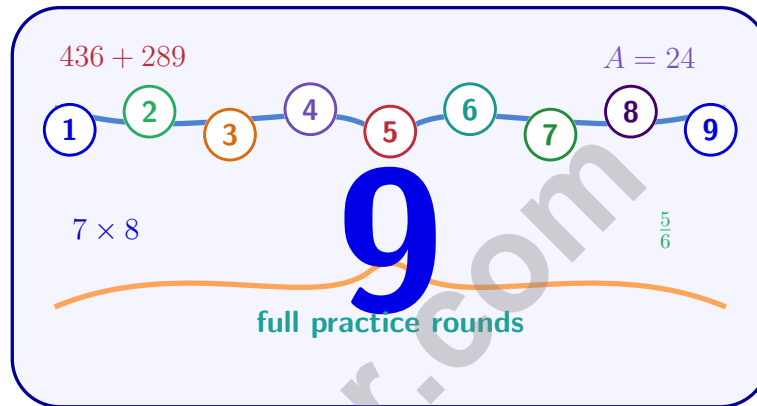
$$725 - 358 = 367$$

PREPARE
PRACTICE
SUCCEED
PERFORM

**PRACTICE TODAY.
SUCCEED TOMORROW.**

9 Delaware DeSSA Grade 4 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Nine complete 30-question Grade 4 practice rounds for DeSSA, built around bay breezes, first-state focus, and crisp checking habits, with answer keys and clear explanations for every item.

Jay Daie and Reza Nazari



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Welcome, Delaware Math Explorer!

Nine steady rounds on the First State math route

This book gives you nine full Grade 4 practice tests for DeSSA. Each round uses bay breezes, first-state focus, and crisp checking habits to keep practice memorable while you read carefully, choose a strategy, show work, and check the answer.

Delaware 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.

Read

Plan

Check

How to Use This Book

A ten-session routine for Delaware DeSSA 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 First 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?

Nine tests, 270 questions, and a full DeSSA 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.



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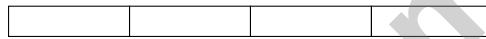
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- 5) A school fundraiser collected \$17,890. Rounded to the nearest thousand dollars, about how much was collected?

- 6) Look at the bar model below. Which equation matches?

Noah's cards: 4



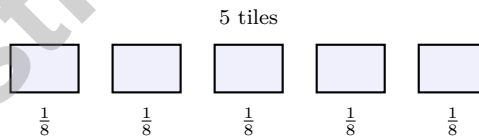
Ava's cards: ?

- Noah has 4 cards. Ava has 4 times as many cards as Noah. Which equation shows the number of cards Ava has?

- A. $Ava = 4 + 4$ C. $Ava = 4 - 4$
 B. $Ava = 4 \div 4$ D. $Ava = 4 \times 4$
- 7) Which shape can be described as having four equal sides, two pairs of parallel sides, and four right angles?
- A. Trapezoid C. Square
 B. Rhombus D. Rectangle



- 8) In the number 4,449, which digit appears in both the thousands and hundreds places?
- A. 1 C. 2
 B. 9 D. 4
- 9) A juice box contains $\frac{1}{3}$ liter. How many liters are in 7 juice boxes?
- A. $\frac{1}{21}$ liter C. $\frac{7}{21}$ liter
 B. $\frac{7}{3}$ liters (or $2\frac{1}{3}$ liters) D. $\frac{3}{7}$ liter
- 10) Which is a correct way to decompose $\frac{10}{12}$?
- A. $\frac{5}{12} + \frac{4}{12}$ C. $\frac{3}{12} + \frac{3}{12} + \frac{3}{12}$
 B. $\frac{4}{12} + \frac{7}{12}$ D. $\frac{2}{12} + \frac{2}{12} + \frac{2}{12} + \frac{2}{12} + \frac{2}{12}$
- 11) Ava drinks $\frac{1}{4}$ cup of juice 4 times a day. How much juice does she drink altogether?
- A. $\frac{4}{4}$ cup or 1 cup C. $\frac{4}{1}$ cup
 B. $\frac{1}{16}$ cup D. $\frac{2}{4}$ cup
- 12) A model shows 5 unit-fraction tiles. Each tile is $\frac{1}{8}$. What is the total?



- A. $\frac{1}{8}$ C. $\frac{5}{8}$
 B. $\frac{3}{8}$ D. $\frac{8}{5}$



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- 1) A spinner is divided into 6 equal sectors around a center point. Each sector spans how many degrees?

- 2) Which is equal to 0.80?

A. $\frac{8}{10}$
 B. $\frac{8}{100}$

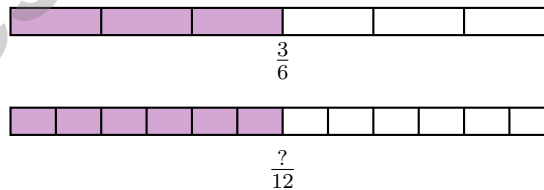
C. 0.08
 D. 0.008

- 3) A quadrilateral has two pairs of parallel sides and all four angles are right angles. The opposite sides are equal but not all sides are the same length. What is this shape?

A. Rhombus
 B. Trapezoid

C. Rectangle
 D. Square

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



What number replaces the question mark?

A. 4
 B. 5

C. 6
 D. 8



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5) A pet store has 8 goldfish. It has 6 times as many guppies as goldfish. How many more guppies than goldfish does the store have?

A. 48

C. 6

B. 14

D. 40

6) $\begin{array}{l} \boxed{9} \\ 2 \text{ times } \boxed{\quad ? \quad} \end{array}$

Naomi has 9 ribbons. Her grandmother has 2 times as many ribbons as Naomi. How many ribbons does her grandmother have?

A. 11

C. 20

B. 16

D. 18

7) A rectangular garden has an area of 48 square feet. The length is 8 feet. What is the width?

A. 5 ft

C. 7 ft

B. 6 ft

D. 8 ft

8) A regular hexagon (6-sided polygon) has how many lines of symmetry?

A. 3

C. 6

B. 4

D. 8

9) Which number rounds to 9,000 when rounded to the nearest thousand?

A. 8,499

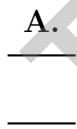
C. 9,450

B. 8,401

D. 9,600



- 1) A triangle has all three sides of equal length. What can you say about its angles?
- A. All angles are equal and acute C. One angle is greater than 90 degrees
 B. One angle is 90 degrees D. The angles are different sizes
- 2) Add: $\frac{1}{10} + \frac{45}{100}$.
- A. $\frac{46}{100}$ C. $\frac{55}{100}$
 B. $\frac{46}{110}$ D. $\frac{1}{145}$
- 3) A farmer has 23,456 kg of grain. He uses 5,678 kg. How much grain is left?
- A. 17,778 kg C. 18,778 kg
 B. 17,878 kg D. 17,678 kg
- 4) Ava reads 8 pages a day for 12 days. Noah reads 10 pages a day for 9 days. How many more pages does Ava read than Noah?
- A. 2 pages C. 26 pages
 B. 18 pages D. 6 pages
- 5) Which diagram shows two lines that will eventually intersect?



- A. Diagram A C. Diagram C
 B. Diagram B D. Diagram D



6) How many centimeters are in 3 meters?

A. 30

B. 300

C. 3,000

D. 30,000

7) A 3 in the hundreds place is worth 300. A 3 in the tens place is worth 30. What is the difference?

8) Which number is prime?

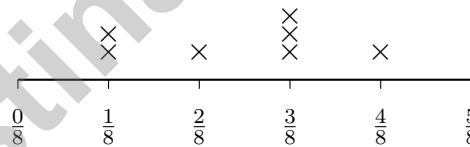
A. 18

B. 14

C. 16

D. 13

9) Here is a line plot showing sticker lengths (in inches):



What is the difference in inches between the longest and shortest stickers?

A. $\frac{1}{8}$ inch

B. $\frac{2}{8}$ inch

C. $\frac{3}{8}$ inch

D. $\frac{4}{8}$ inch



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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.

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Practice Test Answers and Explanations

Practice Test 1 Answers and Explanations

- Choice A is correct.** **(4.NF.C.5)** The number line from 0.30 to 0.35 divides into 5 equal steps. The mark is one step from 0.30, so it lands on 0.31.
- Choice B is correct.** **(4.MD.A.2)** There are 96 ounces of dried apples. Each bag holds 8 ounces. Divide: $96 \div 8 = 12$ bags. He needs **12** bags.
- Choice D is correct.** **(4.MD.C.6)** The ray aligns perfectly with the 35° mark. Since $35^\circ < 90^\circ$, this is a small acute angle. The answer is **35** degrees.
- Choice B is correct.** **(4.MD.C.5)** An angle is formed by two rays that share a common endpoint, called the vertex.
- The correct answer is 18,000.** **(4.NBT.A.3)** We're rounding to the nearest thousand dollars. Look at the hundreds digit: $8 \geq 5$, so round UP from \$17,000 to **\$18,000** collected. ✓
- Choice D is correct.** **(4.OA.A.1)** Look at the picture: Ava's bar is split into 4 equal pieces, each the same length as Noah's bar. That's exactly what "4 times as many" means—so we multiply: $Ava = 4 \times 4 = 16$ cards.
- Choice C is correct.** **(4.G.A.2)** A square has all four of these properties combined: four equal sides, two pairs of parallel sides, and four right angles. No other quadrilateral has all these properties. The answer is **C**.
- Choice D is correct.** **(4.NBT.A.1)** Look at each place in 4,449 from left to right: thousands = 4, hundreds = 4, tens = 4, ones = 9. The digit **4** appears in the thousands place (worth 4,000) and the hundreds place (worth 400). *Notice:* same digit, but its value depends on its place—4,000 is 10×400 . ✓
- Choice B is correct.** **(4.NF.B.4)** Seven juice boxes, each holding $\frac{1}{3}$ liter, contain $7 \times \frac{1}{3} = \frac{7}{3}$ liters total.
- Choice D is correct.** **(4.NF.B.3)** Option D has five pieces: $\frac{2}{12} + \frac{2}{12} + \frac{2}{12} + \frac{2}{12} + \frac{2}{12}$. Count: $2 + 2 + 2 + 2 + 2 = 10$, so we get $\frac{10}{12}$. ✓
- Choice A is correct.** **(4.NF.B.4)** Ava drinks $\frac{1}{4}$ cup 4 times, so we calculate $4 \times \frac{1}{4} = \frac{4 \times 1}{4} = \frac{4}{4} = 1$ cup. The answer is **1** cup.
- Choice C is correct.** **(4.NF.B.4)** Five eighths: $5 \times \frac{1}{8} = \frac{5}{8}$.
- Choice B is correct.** **(4.MD.A.3)** From the diagram: length is 7 in and width is 3 in. Perimeter = $2(7) + 2(3) = 14 + 6 = 20$ in.
- Choice D is correct.** **(4.OA.B.4)** Apply "add 12" to input 8: $8 + 12 = 20$.
- The correct answer is B, D.** **(4.G.A.1)** A line stretches infinitely both ways with no endpoints, and it's always straight. Segments have endpoints, so they're not the same thing, and lines can point any direction.
- Choice B is correct.** **(4.NF.B.3)** Add the wholes: $2 + 1 = 3$. Add the fractions: $\frac{5}{8} + \frac{3}{8} = \frac{8}{8} = 1$. Combine into a whole: $3 + 1 = 4$.
- Choice A is correct.** **(4.NF.B.3)** The ribbon was cut, so we subtract the cut part from the total. $\frac{7}{10} - \frac{3}{10} = \frac{4}{10}$ meter of ribbon left.
- Choice C is correct.** **(4.MD.A.1)** 1 kilogram = 1,000 grams. So $6 \text{ kg} = 6 \times 1,000 = 6,000 \text{ g}$.
- Choice A is correct.** **(4.NF.C.5)** Three dimes = $\frac{3}{10}$ dollar, and thirty pennies = $\frac{30}{100}$ dollar. They're equal!
- Choice D is correct.** **(4.OA.A.3)** Three steps! Step 1: books from the boxes: $5 \times 20 = 100$. Step 2: add the loose books: $100 + 15 = 115$. Step 3: subtract the shelved ones: $115 - 45 = 70$ books left.
- Choice C is correct.** **(4.OA.B.4)** Factor pairs of 32: $1 \times 32, 2 \times 16, 4 \times 8$. That gives factors 1, 2, 4, 8, 16, 32—count them up: **6** factors.
- Choice A is correct.** **(4.NF.B.3)** Subtract the numerators: $9 - 4 = 5$. Keep the same denominator: $\frac{5}{12}$.
- Choice B is correct.** **(4.MD.B.4)** At $\frac{2}{4}$ inch there are 3 X marks. At $\frac{3}{4}$ inch there is 1 X mark. The difference is $3 - 1 = 2$.
- Choice D is correct.** **(4.NBT.B.5)** The standard algorithm: multiply by ones ($37 \times 6 = 222$), then by tens ($37 \times 20 = 740$), then add ($222 + 740 = 962$). Choice D shows all three numbers.
- The correct answer is 90.** **(4.MD.C.5)** The hour hand moves 30° per hour. From 2 to 5 is 3 hours, so $3 \times 30^\circ = 90^\circ$.
- Choice C is correct.** **(4.G.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.



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Star Player Pep Talk

Hi, Star Player!

◇ 9 practice tests. Every one of them was a chance to grow. You took every chance. That's why you're a math star today! ◇

★ **Star players know:** confidence comes from practice. You can't fake it. You build it. You built yours over 9 tests. It's real now! ★

Star Player Stats

- **Practice:** OFF THE CHARTS!
- **Skills:** BROAD! You can do many problem types.
- **Toughness:** HIGH! You don't quit on hard problems.
- **Game Plan:** READY! You know your strategies.

Star tip: on test day, take it one play at a time. One problem. Then the next. You will earn your stars!

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:

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- ✓ Homework & Review
- ✓ Independent Learning
- ✓ Test Preparation
- ✓ Skill Reinforcement

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SUCCESS FOR LIFE.**

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Better Problem Solving

Develop logical thinking and effective solution strategies.



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- ✓ Multiplication & Division
- ✓ Fractions & Equivalent Fractions
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- ✓ Measurement & Data
- ✓ Perimeter & Area
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