

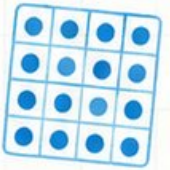
# 10

$$7 \times 8 = 56$$

$$\begin{array}{r} 32 \\ \times 6 \\ \hline 192 \end{array}$$



$$\frac{3}{4}$$



# Delaware

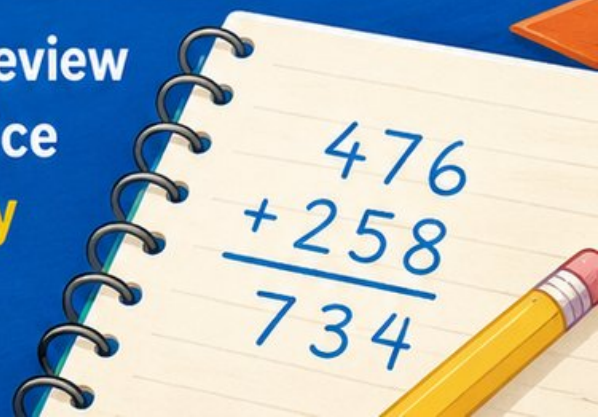
# DeSSA

# GRADE 4

# MATH

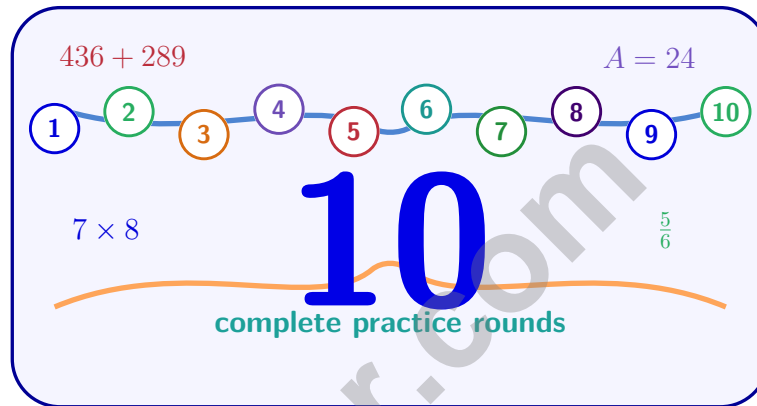
## PRACTICE TESTS

Standards-Aligned Review  
with Mixed Practice  
and **Answer Key**



# 10 Delaware DeSSA Grade 4 Math Practice Tests

*Standards-Aligned Review with Mixed Practice and Answer Key*



Ten 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!

Ten steady rounds on the First State math route

This book gives you ten 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?

Ten tests, 300 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.
Test 10	Final round to show growth across the whole Delaware book.
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.



Scan me!  
For more practice  
& answers

# Table of Contents

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- 5) A store has 200 books. They receive 35 more books. Then they sell 78 books. How many books do they have left?

- 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) A rectangle has an area of 72 square inches. The length is 9 inches. What is the width?

- 8) Which shows correct estimation for  $47 \times 19$  using rounding?

A.  $50 \times 20 = 1000$

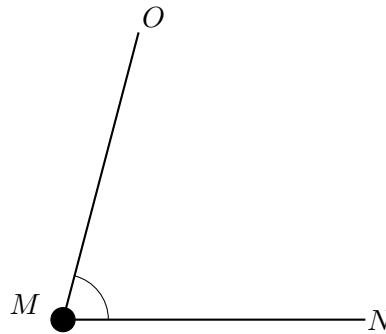
B.  $40 \times 20 = 800$

C.  $50 \times 10 = 500$

D.  $40 \times 10 = 400$



9)



The angle  $\angle NMO$  is shown. How would you name this angle differently?

- A.  $\angle NOM$                        C.  $\angle OMN$   
 B.  $\angle ONM$                        D.  $\angle MOM$
- 10) At lunch, each child gets  $\frac{1}{2}$  sandwich. If there are 8 children, how many sandwiches are needed?
- A.  $\frac{1}{16}$  sandwich                       C.  $\frac{7}{2}$  sandwiches (or  $3\frac{1}{2}$  sandwiches)  
 B. 4 sandwiches                       D. 8 sandwiches
- 11) Look at the fraction bar divided into 5 equal parts. How many unit fractions of  $\frac{1}{5}$  are shaded?



Shaded parts

- A. 2 unit fractions                       C. 4 unit fractions  
 B. 3 unit fractions                       D. 5 unit fractions

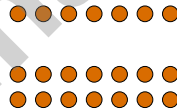


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- 6) Zara read  $3\frac{2}{5}$  pages in the morning and  $2\frac{3}{5}$  pages in the afternoon. What is the total number of pages she read?
- A.  $5\frac{4}{5}$  pages                       C. 6 pages  
 B.  $5\frac{5}{5}$  pages                       D.  $6\frac{1}{5}$  pages
- 7) Mia is comparing two prices. Socks cost \$0.80 and a pencil costs \$0.08. Which item costs more?
- A. The socks (\$0.80)                       C. Both cost the same  
 B. The pencil (\$0.08)                       D. The pencil costs 10 times more
- 8) A pizza box is a rectangle with a length of 14 inches and a width of 14 inches. What is the area of the box?
- A. 196 sq in                       C. 56 sq in  
 B. 228 sq in                       D. 28 sq in

Paige



Quinn

9)

Paige has 7 bookmarks. Quinn has 2 times as many bookmarks as Paige. How many bookmarks does Quinn have?



1) The fraction bar below shows  $\frac{1}{4} + \frac{2}{4}$ . Which description matches it?



Choice A

- A. Shows 3 shaded parts out of 4       C. Shows 3 shaded parts out of 3
- B. Shows 2 shaded parts out of 8       D. Shows 1 shaded part out of 4
- 2) How many degrees does a right angle measure?
- A. 45 degrees       C. 120 degrees
- B. 90 degrees       D. 180 degrees
- 3) Complete the comparison:  $0.2 \underline{\hspace{1cm}} 0.21$
- A.  $>$        C.  $=$
- B.  $<$        D. Cannot tell
- 4) Points that lie on the same line are called:
- A. Vertical points       C. Parallel points
- B. Collinear points       D. Angular points
- 5) What is 78,234 rounded to the nearest hundred?
- A. 78,000       C. 78,230
- B. 78,300       D. 78,200

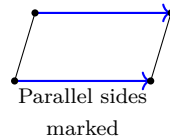


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6) Grace has some marbles. Her brother has 3 times as many marbles, and he has 24 marbles. How many marbles does Grace have?

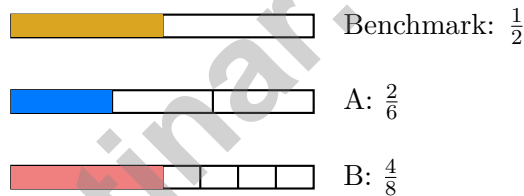
- A. 6
- B. 27
- C. 21
- D. 8

7) Which figure has at least one pair of parallel sides?



- A. Trapezoid
- B. Triangle
- C. Pentagon
- D. Hexagon

8) Which fraction is equivalent to  $\frac{1}{2}$ ?



- A.  $\frac{2}{6}$  is equivalent to  $\frac{1}{2}$
- B.  $\frac{4}{8}$  is equivalent to  $\frac{1}{2}$
- C. Both fractions are equivalent to  $\frac{1}{2}$
- D. Neither fraction is equivalent to  $\frac{1}{2}$

9) An angle measures  $120^\circ$  and is divided into three equal parts. What is the measure of each part?

- A.  $30^\circ$
- B.  $40^\circ$
- C.  $60^\circ$
- D.  $120^\circ$

## 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 B is correct.** (4.G.A.2) Right angle markers are shown at two of the corners of the figure. These markers indicate that those two angles measure 90 degrees. The answer is **B**.
- Choice A is correct.** (4.NF.A.1) Convert to common denominator:  $\frac{1}{4} = \frac{2}{8}$ . Since  $\frac{3}{8} > \frac{2}{8}$ , Maya ate more.
- The correct answer is 6.** (4.G.A.3) For any regular polygon, the number of lines of symmetry equals the number of sides. A shape with 6 sides is a regular hexagon, which has exactly **6** lines of symmetry.
- 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  $\frac{4}{16} + \frac{8}{16} = \frac{12}{16} \checkmark$ .
- The correct answer is 157.** (4.OA.A.3) Two steps! Step 1: add the new books:  $200 + 35 = 235$ . Step 2: take away the books sold:  $235 - 78 = 157$  books left.
- 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.
- The correct answer is 8 in.** (4.MD.A.3) From area formula:  $72 = 9 \times w$ . Divide:  $w = 72 \div 9 = 8$  in.
- Choice A is correct.** (4.NBT.B.5) Round:  $47 \approx 50$  and  $19 \approx 20$ . Then  $50 \times 20 = 1000$  is a good estimate of the product.
- Choice C is correct.** (4.MD.C.5) An angle can be named in reverse order, but the vertex must stay in the middle. Since  $M$  is the vertex,  $\angle NMO$  and  $\angle OMN$  name the same angle.
- Choice B is correct.** (4.NF.B.4) Eight children each get  $\frac{1}{2}$  sandwich. We multiply:  $8 \times \frac{1}{2} = \frac{8}{2} = 4$  sandwiches are needed.
- Choice A is correct.** (4.NF.B.3) Look at the bar: 5 equal parts total, and 2 are shaded. So **2** unit fractions of  $\frac{1}{5}$  are shaded.
- Choice D is correct.** (4.NBT.A.1) Check each number: 1,945 has 9 in the hundreds place (worth 900). The other options have 9 in different places. Answer: **1,945**.  $\checkmark$
- Choice D is correct.** (4.NF.B.4) We take 2 copies of  $\frac{4}{5}$ . Multiply:  $2 \times \frac{4}{5} = \frac{2 \times 4}{5} = \frac{8}{5} = 1\frac{3}{5}$ . The answer is **1 $\frac{3}{5}$** .
- Choice C is correct.** (4.MD.A.1) Check each option. A: 2 km = 2,000 m, not 200 m. B: 4 m = 400 cm, not 4,000 cm. C: 5 cm =  $5 \times 10 = 50$  mm. Correct! D: 6 m = 6,000 mm, not 600 mm. The answer is **C**.
- Choice B is correct.** (4.NF.C.5) Compare tenths:  $6 < 7$ . Among the two with tenths = 6, compare hundredths:  $0 < 7$ , so  $0.6 < 0.67$ . Among the two with tenths = 7, compare hundredths:  $0 < 7$ , so  $0.7 < 0.77$ .
- The correct answer is B, C.** (4.NBT.A.2) B (word form) and C (expanded) both equal 24,365. A and D both equal 24,356 (wrong). E has ones digit 6 instead of 5  $\checkmark$
- Choice C is correct.** (4.OA.A.1) Read  $42 = 6 \times 7$  as "6 groups of 7." That matches "42 is 6 times as many as 7" (choice C). The other choices describe addition, not multiplication.
- Choice C is correct.** (4.NF.B.4) Each jump moves us  $\frac{1}{6}$  unit forward. Making 4 jumps means we move  $4 \times \frac{1}{6} = \frac{4}{6}$  units total.
- Choice D is correct.** (4.OA.B.4) Circles in each figure: 1, 3, 6. The increases are +2, then +3. Next increase is +4:  $6 + 4 = 10$  circles.
- Choice B is correct.** (4.NF.C.5) Option B shows all the same value:  $\frac{80}{100}$ , 0.8, and 0.80 are all equal. The trailing zero doesn't matter.
- Choice B is correct.** (4.MD.C.7) The diagram shows the angle divided into two equal parts by a ray. Add them:  $42^\circ + 42^\circ = 84^\circ$ .
- Choice A is correct.** (4.NF.B.3) The chocolate bar is shared, but some is left over. Step 1: Add what was eaten:  $\frac{5}{10} + \frac{3}{10} = \frac{8}{10}$ . Step 2: Subtract from the whole:  $\frac{10}{10} - \frac{8}{10} = \frac{2}{10}$  left uneaten.
- Choice C is correct.** (4.MD.C.5) Five-sixths of the circle is  $\frac{5}{6} \times 360^\circ = 300^\circ$ .
- Choice A is correct.** (4.MD.A.2) Amir has 60 grams of butter but only needs 45 grams. Subtract:  $60 - 45 = 15$  grams. He has **15** grams extra.
- Choice D is correct.** (4.OA.A.2) "2 times as many" tells us to multiply:  $2 \times 40 = 80$  cookies today.
- Choice B is correct.** (4.MD.C.5) When we say an angle measures  $30^\circ$ , that means it is made of **30** one-degree angles.



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& answers

**Trail Guide's Final Note**

---

**Hi, Brave Trail-Walker!**

◇ You walked all 10 miles of the practice trail. Smooth paths, steep climbs, narrow passes. Every step taught you something. ◇

★ **Trail guides know:** the most important thing is to keep moving. Slow steps still get you there. You have a steady stride now. ★

**Trail Survey**

- **Route Knowledge:** You know lots of problem types.
- **Steady Pace:** You don't rush. You don't stop.
- **Pack Loaded:** You have all the math tools you need.
- **Confidence:** You trust your training.

**Guide's tip:** on test day, stay on the trail you've walked before. Use the strategies you've practiced. Trust the route. The summit is one steady walk away!

If you want to share something or ask a question, please email me at [jay@testinar.com](mailto:jay@testinar.com).

**Jay Daie**

Your Math Trail Guide

# PRACTICE TODAY. ACHIEVE TOMORROW!

This **Grade 4 Math Practice Tests** book is designed to help students build strong math skills, boost confidence, and succeed in the classroom and beyond. With 10 full-length practice tests that reflect real test formats, students get the targeted practice they need to master key concepts, improve problem-solving abilities, and achieve their goals.

## PERFECT FOR:

- ✓ Classroom Practice
- ✓ Homework & Review
- ✓ Test Preparation

★ **CONFIDENCE IN MATH.  
SUCCESS FOR LIFE.**

## WHAT STUDENTS WILL GAIN:



### Stronger Concepts

Reinforce key Grade 4 math skills and build a solid foundation.



### Better Problem Solving

Develop critical thinking and solve problems with confidence.



### Test Confidence

Familiarize with test formats and reduce exam stress.



### Track Progress

Measure improvement and focus on areas that matter.



### Achieve Success

Build the skills and confidence to reach higher goals.

## TOPICS COVERED:

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



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Prepares for Tests  
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