

7

Delaware

DeSSA

GRADE 4 MATH

PRACTICE TESTS

Standards-Aligned Review with
Mixed Practice and Answer Key



$$\begin{array}{r} 25 \\ +37 \\ \hline 62 \end{array}$$

$$\begin{array}{r} 8 \times 7 \\ = \\ 56 \end{array}$$



7 Full-Length
Practice Tests



Standards-
Aligned



Build Confidence
and Skills



Mixed Question
Types

**ANSWER
KEY**

INCLUDED

7 Delaware DeSSA Grade 4 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Seven 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!

Seven steady rounds on the First State math route

This book gives you seven 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?

Seven tests, 210 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 5–7	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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For more practice
& answers

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1) A student folds a piece of paper creating a crease. The angle on one side of the crease is 67° . If the total angle formed is 134° , what is the angle on the other side?

A. 67°

C. 201°

B. 68°

D. 134°

2) What is the next number in the sequence? 3, 6, 12, 24, 48, __

3) An angle contains 65 one-degree angles. Write the measure of the angle.

4) Which digit is in the hundreds place of the number shown in the chart?

Thousands	Hundreds	Tens	Ones
1	8	6	2

A. 1

C. 6

B. 2

D. 8



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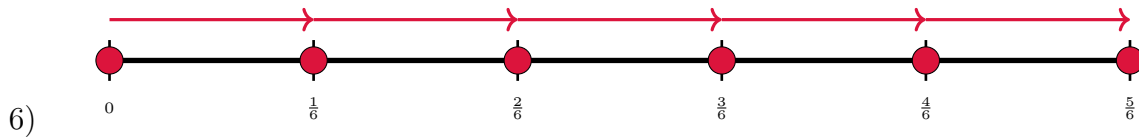
5) Emma has 6 books. Her sister has 3 times as many. How many books does her sister have?

A. 9

C. 6

B. 3

D. 18



The number line shows 5 jumps of $\frac{1}{6}$. Which equation matches this?

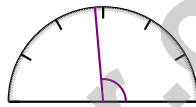
A. $5 \times \frac{1}{6} = \frac{4}{6}$

C. $5 \times \frac{6}{1} = 30$

B. $5 \times \frac{1}{6} = \frac{5}{6}$

D. $\frac{5}{1} = 5$

7)



Measure the angle shown in degrees.

8) Which correctly decomposes $\frac{6}{4}$ as a mixed number?

A. $1\frac{2}{4}$

C. $2\frac{2}{4}$

B. $\frac{1}{4} + \frac{5}{4}$

D. $\frac{2}{4} + \frac{2}{4} + \frac{2}{4}$



9) Kai is at a lemonade stand. Pitcher A holds 0.75 liters. Pitcher B holds 0.57 liters. Which pitcher holds more lemonade?

- A. Pitcher A (0.75 L) C. Both hold the same amount
 B. Pitcher B (0.57 L) D. Pitcher B holds twice as much

10) Lily saw a pie divided into 9 equal slices. She took 4 slices. Which correctly shows this fraction as a sum of unit fractions?

- A. $\frac{1}{9} + \frac{1}{9} + \frac{1}{9} + \frac{1}{9}$ C. $\frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4}$
 B. $\frac{4}{9} + \frac{5}{9}$ D. $\frac{9}{9}$

Th	H	T	O
5	2	3	4

11)

This place-value chart shows 5,234. If we add 3,456, what digit appears in the hundreds place of the sum?

- A. 6 C. 8
 B. 7 D. 9

12) Which number is a multiple of 7?

- A. 45 C. 52
 B. 60 D. 49

13) A classroom has 10 desks. The hallway has 3 times as many desks. How many desks are in the hallway?

- A. 13 C. 40
 B. 20 D. 30



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1) A rectangular vegetable garden is 36 feet long and 18 feet wide. What is the area of the garden?

A. 608 sq. ft

C. 728 sq. ft

B. 792 sq. ft

D. 648 sq. ft

2) A triangle has angles measuring 45 degrees, 45 degrees, and 90 degrees. What type of triangle is it?

A. Acute triangle

C. Obtuse triangle

B. Right triangle

D. Equilateral triangle

3) A recipe uses $\frac{3}{4}$ cup of flour and $\frac{2}{3}$ cup of sugar. Which amount is greater?

4) A juice bottle contains 2 liters of juice. How many milliliters is this?

A. 20

C. 2,000

B. 200

D. 20,000

5) In the number 6,217, which digit is in the tens place?

A. 6

C. 1

B. 2

D. 7



6) What is $1\frac{3}{10} + 2\frac{5}{10}$?

A. $3\frac{6}{10}$

B. $3\frac{7}{10}$

C. $3\frac{8}{10}$

D. $4\frac{2}{10}$

7) Jasmine has a ribbon that is $3\frac{2}{4}$ feet long. She cuts off $1\frac{1}{4}$ feet. What is the length of the remaining ribbon?

A. $2\frac{1}{4}$

B. $1\frac{1}{4}$

C. $4\frac{3}{4}$

D. $2\frac{3}{4}$

8) How many unit fractions of $\frac{1}{7}$ make $\frac{6}{7}$?

9) Which two fractions are both equivalent to $\frac{1}{5}$?

A. $\frac{2}{10}$ and $\frac{20}{100}$

B. $\frac{3}{10}$ and $\frac{30}{100}$

C. $\frac{2}{10}$ and $\frac{30}{100}$

D. $\frac{1}{10}$ and $\frac{10}{100}$

10) A ribbon is $2\frac{3}{5}$ yards long. Which shows how to write this as an improper fraction?

A. $\frac{5}{5} + \frac{5}{5} + \frac{3}{5} = \frac{13}{5}$

B. $\frac{2}{5} + \frac{3}{5} = \frac{5}{5}$

C. $\frac{10}{5} + \frac{2}{5} = \frac{12}{5}$

D. $\frac{3}{5} + \frac{3}{5} + \frac{3}{5} = \frac{9}{5}$

11) How many lines of symmetry does a non-square rectangle have?



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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.MD.C.7) The crease splits the angle into two parts. Subtract to find the other: $134^\circ - 67^\circ = 67^\circ$.
- The correct answer is 96.** (4.OA.B.4) Double each term: 3, 6, 12, 24, 48, **96**. The next term is **96**.
- The correct answer is 65.** (4.MD.C.5) An angle turning through 65 one-degree angles has a measure of **65°**.
- Choice D is correct.** (4.NBT.A.1) From the chart, the hundreds place (second column from the left) contains the digit **8**. ✓
- Choice D is correct.** (4.OA.A.1) “3 times as many” is a multiplication signal. Emma’s sister has $6 \times 3 = 18$ books.
- Choice B is correct.** (4.NF.B.4) The number line shows 5 equal jumps, each of $\frac{1}{6}$, landing at $\frac{5}{6}$. This represents $5 \times \frac{1}{6} = \frac{5}{6}$.
- The correct answer is 95.** (4.MD.C.6) Place the protractor’s center at the vertex. Align the baseline ray with 0° . The second ray points to the 95° mark. Since $95^\circ > 90^\circ$ but $95^\circ < 180^\circ$, this is an obtuse angle. The answer is **95** degrees.
- Choice A is correct.** (4.NF.B.3) One whole is $\frac{4}{4}$, and $\frac{6}{4}$ has 6 fourths total. Subtract: $6 - 4 = 2$, so the mixed number is $1\frac{2}{4}$. ✓
- Choice A is correct.** (4.NF.C.5) Compare the tenths place: $7 > 5$, so $0.75 > 0.57$. Pitcher A holds more lemonade.
- Choice A is correct.** (4.NF.B.3) Lily took 4 slices out of 9 equal slices, which is $\frac{4}{9}$. Breaking it into unit fractions: $\frac{4}{9} = \frac{1}{9} + \frac{1}{9} + \frac{1}{9} + \frac{1}{9}$ —four unit fractions of ninths.
- Choice A is correct.** (4.NBT.B.4) Add: $5,234 + 3,456 = 8,690$. In the hundreds place: $2 + 4 = 6$. The hundreds digit is **6**.
- Choice D is correct.** (4.OA.B.4) A multiple of 7 is what you get from $7 \times$ a whole number. Since $7 \times 7 = 49$, that makes 49 a multiple of 7. The others don’t fit: $45 = 5 \times 9$, $52 = 4 \times 13$, $60 = 6 \times 10$.
- Choice D is correct.** (4.OA.A.2) “3 times as many” tells us to multiply: $3 \times 10 = 30$ desks in the hallway.
- Choice B is correct.** (4.MD.C.5) The interior is the space inside the angle between the two rays.
- Choice A is correct.** (4.G.A.3) The letter *D* has a straight line on the left and a curved bulge on the right. A horizontal line across the middle balances the top curve with the bottom curve. The answer is It has 1 line of symmetry.
- Choice B is correct.** (4.MD.A.1) Since 1 liter = 1,000 milliliters, multiply: $5 \times 1,000 = 5,000$ mL. The answer is **5,000** mL.
- The correct answer is B, D.** (4.NBT.A.2) B and D are correct: B’s expanded form equals the number, and D correctly spells out the word form. A, C, and E have place-value or comparison errors ✓
- Choice A is correct.** (4.NF.B.4) When 2 parts are shaded and each part is $\frac{1}{10}$, we get $2 \times \frac{1}{10} = \frac{2}{10}$.
- Choice A is correct.** (4.NBT.B.5) Distribute: $14 \times (30 + 5) = 420 + 70 = 490$ people.
- Choice B is correct.** (4.MD.B.4) Count X marks for measurements greater than $\frac{2}{4}$ inch. At $\frac{4}{4}$ inch: 1 mark. At $\frac{6}{4}$ inch: 2 marks. Total: $1 + 2 = 3$ marks.
- Choice A is correct.** (4.NF.A.1) Multiply both top and bottom by 2: $\frac{1}{4} = \frac{1 \times 2}{4 \times 2} = \frac{2}{8}$.
- Choice D is correct.** (4.NBT.A.3) We’re rounding to the nearest ten. Look at the ones digit: 6. Since $6 \geq 5$, we round UP! The tens digit goes from 9 to 10—a rollover! So the answer is **5,200**. ✓
- Choice C is correct.** (4.NF.B.4) To find the missing number, think: How many copies of $\frac{1}{5}$ do we need to make $\frac{3}{5}$? We need 3 copies. So the equation is $3 \times \frac{1}{5} = \frac{3}{5}$.
- Choice D is correct.** (4.NBT.B.6) The partial quotients method: subtract $4 \times 400 = 1,600$ from 1,632 to get 32, then $32 \div 4 = 8$. Add the partial quotients: $400 + 8 = 408$.
- Choice B is correct.** (4.G.A.1) A right angle is a special angle that measures exactly 90° . Think of the corner of your notebook — that’s a right angle! Acute angles are smaller, obtuse angles are bigger, and straight angles are perfectly flat at 180° .
- Choice B is correct.** (4.NF.B.3) Since $\frac{1}{3} < \frac{2}{3}$, regroup: $2\frac{1}{3} = 1\frac{4}{3}$. Now subtract: $1\frac{4}{3} - 1\frac{2}{3} = \frac{2}{3}$.
- Choice B is correct.** (4.NF.C.5) We can divide both the numerator and denominator by 10 to simplify: $\frac{40}{100} = \frac{4}{10}$.
- Choice D is correct.** (4.NF.B.4) We take 7 copies of $\frac{1}{5}$. Multiply: $7 \times \frac{1}{5} = \frac{7 \times 1}{5} = \frac{7}{5} = 1\frac{2}{5}$. The answer is **1 $\frac{2}{5}$** .



Hi, Math Detective!

◇ You did such a great job! You finished 7 tests like a real detective. You found the clues, used your tools, and solved the math. ◇

★ **Detectives know:** good work takes time. You took your time. You looked carefully. You found the answers! ★

Your Detective Skills

- **Sharp Eyes:** You notice the small details.
- **Smart Plans:** You pick the right way to solve.
- **Brave Heart:** You try even when it's tricky.
- **Steady Work:** You finish what you start.

Detective tip: on test day, look carefully at each problem. Underline important words. Then solve like the detective you are!

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

Jay Daie

Your Math Detective Helper

7 FULL-LENGTH TESTS TO MASTER GRADE 4 MATH!

This **Grade 4 Math Practice Tests** book provides the practice your child needs to build strong math skills, understand key concepts, and gain the confidence to succeed on every test.

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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.

$$\begin{array}{r} 45 \\ -17 \\ \hline 28 \end{array}$$



$$7 \times 8 = 56$$

TOPICS COVERED

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



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Mixed Question Types



Answer Key Included