

3

Delaware

DeSSA

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

$$a^2 + b^2 = c^2$$

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



3 Delaware DeSSA Grade 4 Math Practice Tests

Standards-Aligned Practice for Stronger Math Skills and Test Readiness



Three 30-question trail tests packed with Grade 4 review, Delaware DeSSA strategy tips, answer keys, and step-by-step explanations that turn every miss into the next move.

Jay Daie and Reza Nazari



Copyright ©

Testinar Inc



Published by Testinar Inc

Testinar.com

All rights reserved. No part of this publication may be reproduced, distributed, or transmitted in any form or by any means, including photocopying, recording, or other electronic or mechanical methods, without the prior written permission of the author, except in the case of brief quotations embodied in critical reviews and certain other noncommercial uses permitted by copyright law, including Section 107 or 108 of the 1976 United States Copyright Act.

This publication is independently produced and has no official connection to any state, district, or national testing program.

Test names and organizational names used herein are the property of their respective trademark holders.



Copyright ©

Welcome, Delaware Math Explorer!

Three steady rounds on the First State math route

This book gives you three full Grade 3 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?

Three tests, 90 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 1–3	Skill-building rounds with fractions, measurement, area, data, and two-step problems.
Tests 1–3	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.



Scan me!
For more practice
& answers

Table of Contents

★ Practice Test 1	_____	15
★ Practice Test 2	_____	26
★ Practice Test 3	_____	37
Practice Test Answer Keys	_____	48
Practice Test Answers and Explanations	_____	51

1) Mia had $\frac{9}{10}$ gallon of paint and used $\frac{4}{10}$. How much is left?

2) Which addition is correct?

A. $5,234 + 3,456 = 8,690$

B. $5,234 + 3,456 = 8,590$

C. $5,234 + 3,456 = 8,780$

D. $5,234 + 3,456 = 9,690$

3) What is $3\frac{2}{10} - 1\frac{4}{10}$?

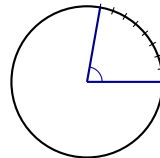
A. $1\frac{4}{10}$

B. $1\frac{5}{10}$

C. $1\frac{6}{10}$

D. $1\frac{8}{10}$

4) A triangle has three equal sides. What type of triangle is it?

 A. Scalene triangle B. Equilateral triangle C. Right triangle D. Obtuse triangle

5)

Look at the angle shown. It is marked from 0° to 80° . Write the measure of the angle.



Scan me!
For more practice
& answers

6) A craft project uses 18 centimeters of string for each bracelet. How many centimeters of string are needed for 7 bracelets?

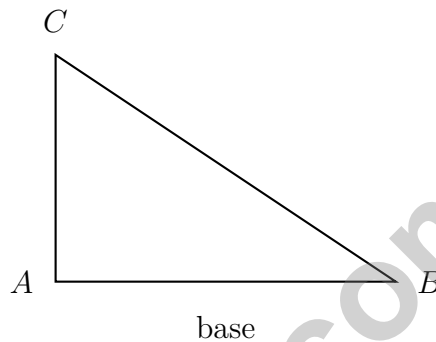
A. 25 cm

C. 126 cm

B. 108 cm

D. 140 cm

7) Look at this right triangle. Does it have any lines of symmetry?



A. Yes, it has 1 line

C. No, it has 0 lines

B. Yes, it has 2 lines

D. Yes, it has 3 lines

8) A repeating pattern is: circle, square, circle, square, circle, square. What is the 10th shape?

A. Circle

C. Triangle

B. Rectangle

D. Square

9) Is 29 prime or composite?

A. Not possible

C. Neither

B. Composite

D. Prime



1) What is $\frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10}$?

A. $\frac{1}{80}$

B. $\frac{8}{80}$

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

D. $\frac{10}{8}$

2) What is $\frac{90}{100}$ as a decimal?

A. 0.09




B. 0.9

C. 9.0

D. 0.99

3) A letter has exactly one line of symmetry. How many lines of symmetry does it have?

4) A pattern shows figures made of small squares arranged in columns:

  
Figure 1 Figure 2 Figure 3

How many unit squares are in Figure 6?

A. 18

B. 28

C. 24

D. 21

5) In the decimal 0.72, which digit is in the tenths place?

A. 0

B. 7

C. 2

D. 72



1) What does $\frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12}$ equal?

- A. $\frac{9}{9}$
 B. $\frac{9}{12}$

- C. $\frac{1}{9}$
 D. $\frac{3}{12}$

2) How many times as many counters are in Group B as in Group A?



- A. 2 times as many
 B. 8 times as many

- C. 6 times as many
 D. 4 times as many

3) Which real-world object best shows a right angle?

A. Clock



B. Table corner



C. Pencil



- A. Clock
 B. Table corner

- C. Pencil
 D. Slice of pie

4) $\frac{4}{5}$ is equivalent to $\frac{?}{20}$. What is the missing numerator?

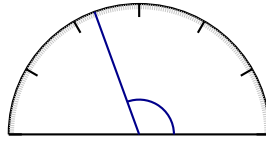
- A. 12
 B. 24

- C. 18
 D. 16



Scan me!
For more practice
& answers

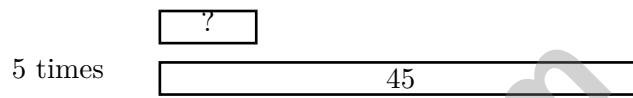
5)



Noah measures this angle. Is it acute, right, obtuse, or straight?

- A. Acute (less than 90 degrees) C. Obtuse (between 90 and 180 degrees)
 B. Right (exactly 90 degrees) D. Straight (exactly 180 degrees)

6)



A sports team scored 45 points. That is 5 times as many points as another team scored. How many points did the other team score?

- A. 5 C. 25
 B. 40 D. 9
- 7) Mia has the digit 8 in the hundreds place of a four-digit number. If she moves this digit to the thousands place, the value of this digit increases by how much?
- A. 800 C. 8,000
 B. 200 D. 7,200
- 8) A bakery makes 25 trays of cookies. Each tray holds 28 cookies. How many cookies are made?
- A. 600 cookies C. 750 cookies
 B. 800 cookies D. 700 cookies



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.

Testinar.com



Practice Test Answers and Explanations

Practice Test 1 Answers and Explanations

- The correct answer is $\frac{1}{2}$.** (4.NF.B.3) Mia started with $\frac{9}{10}$ gallon of paint and used $\frac{4}{10}$. What's left: $9 - 4 = 5$ tenths, or $\frac{5}{10}$ (which simplifies to $\frac{1}{2}$).
- Choice A is correct.** (4.NBT.B.4) To check which is correct, add: ones $4 + 6 = 10$ (write 0, carry 1), tens $3 + 5 + 1 = 9$, hundreds $2 + 4 = 6$, thousands $5 + 3 = 8$. The correct answer is **8,690**.
- Choice D is correct.** (4.NF.B.3) Since $\frac{2}{10} < \frac{4}{10}$, regroup: $3\frac{2}{10} = 2\frac{12}{10}$. Subtract: $2\frac{12}{10} - 1\frac{4}{10} = 1\frac{8}{10}$.
- Choice B is correct.** (4.G.A.2) A triangle with three equal sides is called an equilateral triangle. The three equal angles in an equilateral triangle each measure 60 degrees, making them all acute. The answer is **B**.
- The correct answer is 80.** (4.MD.C.5) The angle marked from 0° to 80° measures **80°** .
- Choice C is correct.** (4.MD.A.2) Each bracelet needs 18 cm of string. For 7 bracelets, multiply: $18 \times 7 = 126$ cm. He needs **126** centimeters of string.
- Choice C is correct.** (4.G.A.3) This right triangle has legs of different lengths, making it lopsided. No fold line can create two matching halves because one side is longer than the other. The answer is No, it has 0 lines.
- Choice D is correct.** (4.OA.B.4) The pattern repeats every 2 shapes: circle, square, circle, square, ... Position 10 is even, so it's a square. ✓
- Choice D is correct.** (4.OA.B.4) Test the small primes: 29 is odd (not $\div 2$); $2 + 9 = 11$ (not $\div 3$); doesn't end in 0 or 5 (not $\div 5$); $7 \times 4 = 28$, $7 \times 5 = 35$, no 7. So 29 has only factors 1 and 29—**prime**.
- Choice D is correct.** (4.MD.A.3) From $45 = 9 \times w$: Divide to get $w = 45 \div 9 = 5$ cm.
- Choice A is correct.** (4.NF.B.3) The baker needs more milk than what's on hand. Convert the mixed number: $1\frac{1}{3} = \frac{4}{3}$. Then subtract: $\frac{4}{3} - \frac{2}{3} = \frac{2}{3}$ cups of milk needed.
- Choice D is correct.** (4.OA.A.2) Toy B's group has 3 rows of \$3—"3 times as much." Multiply: $3 \times \$3 = \9 .
- Choice B is correct.** (4.NF.B.4) We take 7 copies of $\frac{1}{3}$. Multiply: $7 \times \frac{1}{3} = \frac{7 \times 1}{3} = \frac{7}{3} = 2\frac{1}{3}$. The answer is **$2\frac{1}{3}$** .
- The correct answer is 645.** (4.NBT.B.5) Identify the multiplication: 15 rows with 43 plants each. Calculate: $15 \times 43 = 15 \times (40 + 3) = 600 + 45 = 645$ plants.
- Choice B is correct.** (4.NF.C.5) First, convert $\frac{2}{10}$ to hundredths: $\frac{2}{10} = \frac{20}{100}$. Now add the fractions: $\frac{20}{100} + \frac{30}{100} = \frac{50}{100}$.
- Choice B is correct.** (4.NF.B.4) A plant needs $\frac{1}{2}$ cup of water each day. Over 9 days, it needs $9 \times \frac{1}{2} = \frac{9}{2}$ cups.
- The correct answer is A, C.** (4.OA.A.1) Multiplicative comparisons use the words "times as many." Choice A (18 is 6 times as many as 3) and choice C (28 is 4 times as many as 7) both fit. Choices B, D, and E use "more" or "less," which are *additive* comparisons—not multiplicative.
- Choice C is correct.** (4.NF.A.1) On the number line, $\frac{1}{2}$ is at position 6 and $\frac{3}{4}$ is at position 9. Since $6 < 9$, we have $\frac{1}{2} < \frac{3}{4}$.
- Choice D is correct.** (4.NBT.A.1) The digit 6 in the hundreds place is worth 600; in the thousands place, it's worth 6,000. The increase factor is $6,000 \div 600 = 10$. ✓
- Choice B is correct.** (4.MD.A.1) Since 1 kilogram = 1,000 grams, multiply: $5 \times 1,000 = 5,000$ g. The answer is **5,000** g.
- Choice A is correct.** (4.NBT.B.6) Long division: $2 \div 8 = 0$ r2, bring down the 4 to get $24 \div 8 = 3$, bring down the 3 to get $3 \div 8 = 0$ r3, bring down the 2 to get $32 \div 8 = 4$. The answer is **304**.
- Choice C is correct.** (4.NF.B.4) Each student gets $\frac{1}{10}$ of all the items. If we have 10 students, each getting $\frac{1}{10}$, that's $10 \times \frac{1}{10} = 1$, which accounts for all items.
- Choice C is correct.** (4.OA.A.3) Follow the flow chart! Step 1: $72 \div 8 = 9$ apples in each basket. Step 2: add 4 more to each basket: $9 + 4 = 13$ apples per basket now.
- Choice A is correct.** (4.NF.B.3) The pie is divided into 6 equal slices, and 3 are shaded. So $\frac{3}{6}$ is shaded, which as unit fractions is $\frac{1}{6} + \frac{1}{6} + \frac{1}{6}$.
- Choice B is correct.** (4.NF.C.5) Rewrite 0.6 as 0.60 to match. Since $60 < 68$ hundredths, $0.6 < 0.68$.
- Choice C is correct.** (4.MD.C.5) From 12 to 3 on a clock is a quarter turn, which is **90°** .



Scan me!
For more practice
& answers

Hi, Math Champion!

◇ You trained hard! 3 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. SUCCEED TOMORROW!

This **Grade 4 Math Practice Tests** book is designed to help students build strong math skills, master key concepts, and gain the confidence they need to excel on any test.

With 3 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.



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
- ✓ Measurement & Data
- ✓ Geometry & Shapes
- ✓ Perimeter & Area
- ✓ Word Problems
- ✓ Patterns & Algebraic Thinking
- ✓ And More!



Visit testinar.com/math4

for additional Grade 4 math resources and practice materials.

MORE PRACTICE. GREATER RESULTS.

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



3 FULL-LENGTH
PRACTICE TESTS



STANDARDS-
ALIGNED REVIEW



MIXED PRACTICE
QUESTIONS



ANSWER KEY
INCLUDED