

+ =

10 Delaware DeSSA




GRADE 3

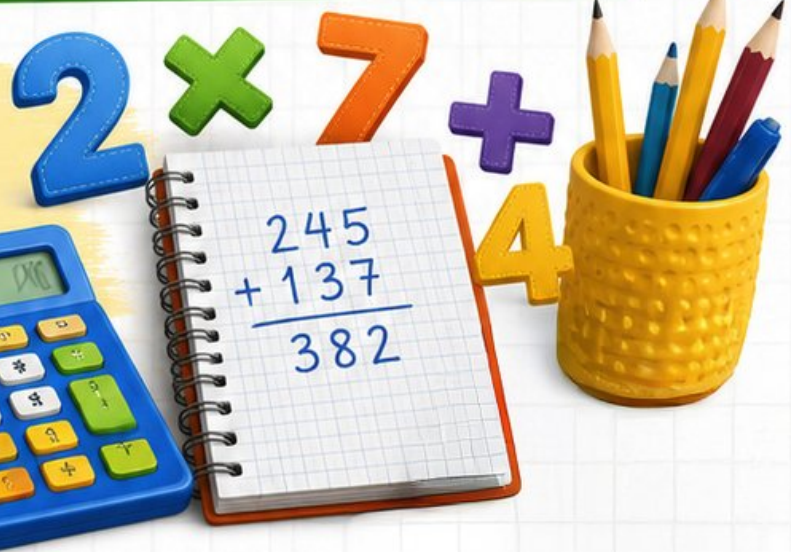
MATH



PRACTICE TESTS



- ✓ Complete Standards Review
 - ✓ Skill Practice
 - ✓ Word Problems and Answer Key
- 



★ ★ ★
**PREPARE
PRACTICE
SUCCEED!**
★ ★ ★



Aligned to
Grade 3 Math
Standards



Build Confidence
and Master
Math Skills



Test-Taking
Practice for
Success



Answer Key
for Easy
Review

10 Delaware DeSSA Grade 3 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Ten complete 30-question Grade 3 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



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!

Ten steady rounds on the First State math route

This book gives you ten 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?

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.

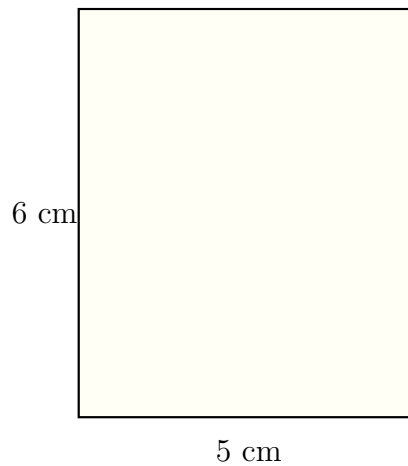
The tests are mixed on purpose. Real test readiness means recognizing the skill even when the next question changes topic.



Scan me!
For more practice
& answers

Table of Contents

★ Practice Test 1	_____	15
★ Practice Test 2	_____	27
★ Practice Test 3	_____	39
★ Practice Test 4	_____	51
★ Practice Test 5	_____	63
★ Practice Test 6	_____	75
★ Practice Test 7	_____	86
★ Practice Test 8	_____	98
★ Practice Test 9	_____	110
★ Practice Test 10	_____	122
Practice Test Answer Keys	_____	134
Practice Test Answers and Explanations	_____	140

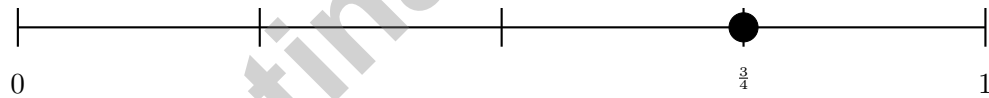


1)

A rectangular notebook is 5 centimeters wide and 6 centimeters tall. Find the area.

- A. 11 sq cm C. 22 sq cm
 B. 30 sq cm D. 60 sq cm

2) On a number line from 0 to 1 divided into 4 equal parts, how many equal parts fit in the distance from 0 to $\frac{3}{4}$?



- A. 1 part C. 3 parts
 B. 2 parts D. 4 parts

3) How does area differ from perimeter?

- A. Area is always larger than perimeter C. Area measures inside; perimeter measures distance around
 B. Perimeter measures inside; area measures distance around D. Both measure the same thing differently



Scan me!
For more practice
& answers

4) A tile has an area of 16 square inches. Which dimensions could make this area?

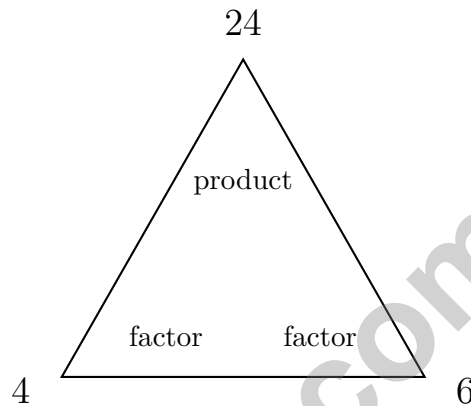
A. 4 in and 4 in

C. 2 in and 7 in

B. 3 in and 5 in

D. 5 in and 4 in

5) Look at the fact-family triangle below. If $4 \times 6 = 24$, what is $24 \div 4$?



A. 4

C. 24

B. 28

D. 6

6) A rectangle uses 5 unit squares in each row. If there are 7 rows, how many unit squares are used in all?



7) Ben has two identical containers. Container X is $\frac{2}{3}$ full of water. Container Y is $\frac{4}{6}$ full of water. Which container has more water?

- A. Container X has more. C. They have the same amount.
 B. Container Y has more. D. The containers are different sizes.

8) Which is equivalent to $\frac{1}{4}$?

- A. $\frac{2}{4}$ C. $\frac{2}{8}$
 B. $\frac{1}{8}$ D. $\frac{4}{8}$

9) Ava buys three bags of flour: one weighs 2 kg, another weighs 500 g, and the last weighs 300 g. What is the total mass in grams?

10) Round 608 to the nearest 10.

- A. 600 C. 610
 B. 608 D. 700

11) If you split the distance from 0 to 1 into 2 equal pieces, each piece is what fraction?

- A. $\frac{1}{2}$ C. $\frac{1}{3}$ (confusing 2 with 3)
 B. $\frac{2}{2}$ (the whole) D. $\frac{2}{1}$ (reversed fraction)

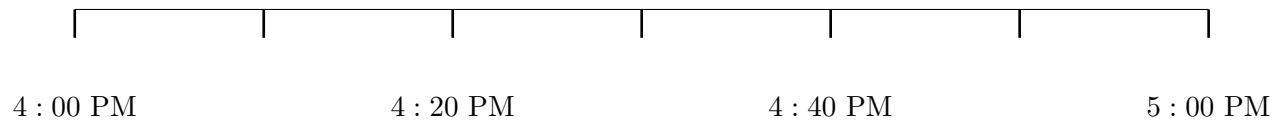


Scan me!
For more practice
& answers

5) A rectangular poster has dimensions of 11 inches by 8 inches. What is the area of the poster?

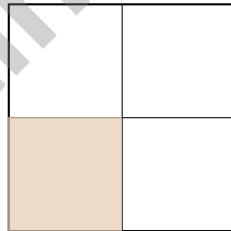
- A. 88 square inches C. 19 square inches
 B. 38 square inches D. 99 square inches

6) Look at the number line. What times are shown?



How many minutes elapse from 4 : 00 PM to 4 : 40 PM?

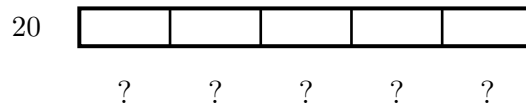
- A. 40 minutes C. 20 minutes
 B. 30 minutes D. 50 minutes
- 7) A square chocolate bar is divided equally into 4 parts. Ben eats $\frac{1}{4}$ of the bar. How many parts does Ben eat?



- A. 1 part C. 3 parts
 B. 2 parts D. 4 parts



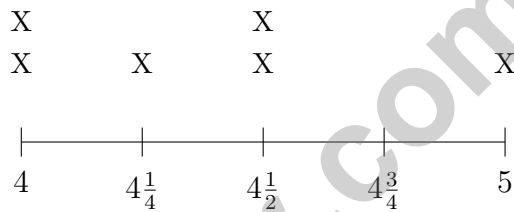
1) Which division sentence matches the bar model?



5 equal parts

- A. $20 \div 4$
 C. 5×4
 B. $20 - 5$
 D. $20 \div 5$

2) Ben measured the heights of clay pots in inches using quarters: $4, 4\frac{1}{4}, 4\frac{1}{2}, 4\frac{3}{4}, 5$.

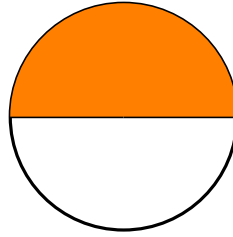


How many pots are shorter than $4\frac{1}{2}$ inches?

- A. 1
 C. 3
 B. 2
 D. 4
- 3) A glass of water weighs 250 grams. A glass of milk weighs 280 grams. How much heavier is the glass of milk?
- A. 20 g
 C. 250 g
 B. 30 g
 D. 530 g



- 4) Look at the circle divided into 2 equal parts. One part is shaded.



What is the unit fraction?

- A. $\frac{1}{2}$ C. $\frac{2}{1}$
 B. $\frac{1}{1}$ D. $\frac{1}{3}$
- 5) Which fraction is equivalent to $\frac{1}{2}$?
- A. $\frac{2}{6}$ C. $\frac{3}{8}$
 B. $\frac{4}{8}$ D. $\frac{1}{3}$
- 6) Which tiling correctly shows $9 \times (2 + 5)$?
- A. Two rectangles stacked with dimensions 9×2 and 9×5 C. One rectangle 9×7
 B. Two rectangles side by side with dimensions 2×5 and 9×5 D. A rectangle split with one part being 9×5
- 7) Write one multiplication equation for an array with 3 rows and 6 columns.



Scan me!
For more practice
& answers

Practice Test Answer Keys

How to use this section with a Grade 3 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

- 1) **Choice B is correct.** **(3.MD.C.7b)** Area = width \times height = $5 \times 6 = 30$ square centimeters.
- 2) **Choice C is correct.** **(3.NF.A.2)** $\frac{3}{4}$ means 3 out of 4 equal parts. The distance from 0 to the mark contains exactly 3 parts.
- 3) **Choice C is correct.** **(3.MD.C.5)** Area is the space inside (square units). Perimeter is the distance around the edge (linear units). They measure different attributes.
- 4) **Choice A is correct.** **(3.MD.C.6)** $4 \times 4 = 16$ sq in. The other choices do not equal 16.
- 5) **Choice D is correct.** **(3.OA.B.6)** In a fact-family triangle, the product is at the top and the factors are at the bottom. If $4 \times 6 = 24$, then $24 \div 4 = 6$. The factors are the answers when dividing.
- 6) **The correct answer is 35 square units.** **(3.MD.C.7a)** $5 \times 7 = 35$ square units. Count tiles in each row and multiply by number of rows.
- 7) **Choice C is correct.** **(3.NF.A.3a)** $\frac{2}{3} = \frac{4}{6}$ because both equal two-thirds of the container.
- 8) **Choice C is correct.** **(3.NF.A.3b)** Multiply numerator and denominator by 2: $\frac{1 \times 2}{4 \times 2} = \frac{2}{8}$.
- 9) **The correct answer is 2800 g.** **(3.MD.A.2)** Convert: 2 kg = 2000 g. Add: $2000 + 500 + 300 = 2800$ g.
- 10) **Choice C is correct.** **(3.NBT.A.1)** The ones digit is 8. Since $8 \geq 5$, round up: 608 rounds to 610.
- 11) **Choice A is correct.** **(3.NF.A.2a)** Two equal pieces means each is one half, written $\frac{1}{2}$. The denominator is the number of parts (2), and the numerator is 1 because we count one piece.
- 12) **Choice B is correct.** **(3.MD.C.5b)** $7 \times 5 = 35$ square units.
- 13) **Choice A is correct.** **(3.MD.C.7)** Area = $9 \times 2 = 18$ square feet.
- 14) **The correct answer is 6.** **(3.NF.A.3c)** $\frac{12}{2}$ means 12 halves. 2 halves make 1 whole, so $12 \div 2 = 6$ wholes.
- 15) **Choice A is correct.** **(3.NBT.A.2)** Ones: $2 - 5$ requires regrouping, so $12 - 5 = 7$. Tens: $3 - 1 = 2$. Hundreds: $6 - 2 = 4$. Answer: 427.
- 16) **Choice B is correct.** **(3.NF.A.1)** Two unit fractions of $\frac{1}{6}$ are being added: $\frac{1}{6} + \frac{1}{6} = \frac{2}{6}$. So there are 2 unit fractions.
- 17) **Choices A and B are correct.** **(3.NBT.A.3)** $5 \times 70 = 350$ (multiply $5 \times 7 = 35$, add zero). $7 \times 50 = 350$ (multiply $7 \times 5 = 35$, add zero). *C*: $7 \times 30 = 210$. *D*: $5 \times 60 = 300$. *E*: $5 \times 50 = 250$. Choices A and B equal 350.
- 18) **Choice D is correct.** **(3.OA.D.8)** Step 1: Desks in rows: $4 \times 6 = 24$ desks. Step 2: Add more: $24 + 8 = 32$ desks total.
- 19) **Choice D is correct.** **(3.OA.B.5)** $6 \times 2 = 12$. She has 12 stickers.
- 20) **Choice D is correct.** **(3.OA.D.9)** Each product is made by multiplying a number by itself: 1×1 , 2×2 , 3×3 , and so on. That is the pattern on this diagonal.
- 21) **Choice B is correct.** **(3.NF.A.3)** $\frac{2}{4}$ and $\frac{4}{8}$ both equal half of a whole and mark the same point.
- 22) **Choice D is correct.** **(3.OA.A.1)** 3 boxes with 7 pencils in each box means 3 groups of 7. So $3 \times 7 = 21$ pencils.
- 23) **Choice D is correct.** **(3.OA.A.4)** Multiply: $4 \times 6 = 24$. Check: $24 \div 6 = 4$.
- 24) **Choice D is correct.** **(3.OA.C.7)** $7 \times 7 = 49$. Seven groups of 7 equals 49.
- 25) **Choice B is correct.** **(3.NF.A.3d)** Same numerator (3), different denominators, same chocolate bar: fourths are larger pieces than eighths. So $\frac{3}{4}$ is more than $\frac{3}{8}$. Noah has more because he has 3 larger pieces.
- 26) **Choice B is correct.** **(3.MD.C.7d)** Add the parts: $32 + 15 = 47$ square units.
- 27) **Choice D is correct.** **(3.OA.A.3)** There are 3 equal groups of 8 marbles. Multiply: $3 \times 8 = 24$ marbles.
- 28) **Choice C is correct.** **(3.MD.B.3)** $3 \times 10 = 30$ soldiers.
- 29) **Choice D is correct.** **(3.OA.A.2)** If $18 \div ? = 3$, then $? = 6$ because $6 \times 3 = 18$. Check: $18 \div 6 = 3$ is correct.
- 30) **Choice D is correct.** **(3.MD.C.7c)** This equation uses subtraction instead of addition. The correct form is $6 \times (5 + 2) = 6 \times 5 + 6 \times 2$.

Practice Test 2 Answers and Explanations



Hi, Math Athlete!

◇ 10 practice tests done! That's serious training. Your math muscles are strong. You are in great shape for the big test. ◇

★ **Trainers know:** muscle memory is real. The more you practice, the more your brain knows what to do without thinking. You built that muscle memory! ★

Athlete Performance

- **Endurance:** TOP! You can finish a long test.
- **Strength:** STRONG! You handle hard problems.
- **Speed:** JUST RIGHT! You don't rush.
- **Recovery:** GOOD! You bounce back from tough questions.

Trainer tip: on test day, drink water, breathe deeply, and warm up with the easier questions first. Your training will carry you the rest of the way!

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

Jay Daie

Your Math Trainer

PRACTICE TODAY. SUCCEED TOMORROW!

Give your child the advantage they need in **Grade 3 Math** with 10 full-length practice tests that build skills, boost confidence, and improve results. Designed to mirror real test formats, this book helps students master essential math concepts and feel ready for any challenge.



INSIDE THIS BOOK:



10 Full-Length Practice Tests

Realistic tests that simulate the look and feel of actual Grade 3 math assessments.



Standards-Aligned

Covers all essential Grade 3 math topics based on current learning standards.



Build Skills & Confidence

Strengthens problem-solving, critical thinking, and test-taking skills with every practice.



Track Progress & Improve

Identify strengths and weaknesses to focus on what matters most.



Prepare for Success

Better preparation leads to higher scores and brighter futures.

COVERS ALL KEY TOPICS

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



Visit testinar.com/math3

for more Grade 3 math resources and practice materials!

THE MORE THEY PRACTICE, THE BETTER THEY PERFORM.

Help your child build a strong foundation and achieve their best in math!

PRACTICE
PREPARE
SUCCEED!



Designed for
Grade 3
Students



Build Strong
Math Skills



Practice with
Purpose