

5

Delaware

DeSSA

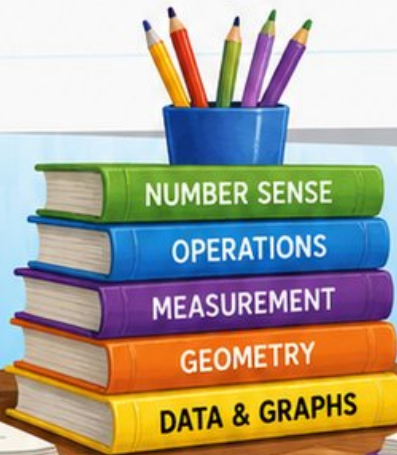
GRADE 3

MATH

PRACTICE TESTS

Standards-Aligned Practice with
Review, Answer Keys, and Explanations

$24 \div 3 = 8$



5 FULL-LENGTH
PRACTICE TESTS



STANDARDS-
ALIGNED
PRACTICE



DETAILED
ANSWER KEYS



CLEAR
EXPLANATIONS
TO HELP YOU SUCCEED

5 Delaware DeSSA Grade 3 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Five focused 30-question checkpoints for Grade 3 math: facts, fractions, measurement, data, area, shapes, answer keys, and clear explanations for every item.

Jay Daie and Reza Nazari



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Welcome to the Five Checkpoint Quest

Five tests, five fresh starts, and one stronger Grade 3 thinker



Read. Model. Solve. Check. Grow.

To the Grade 3 Math Explorer

This book gives you five practice checkpoints for the Delaware DeSSA. Each checkpoint is a full 30-question test, so you can practice stamina, accuracy, and the habit of showing what you know.

Delaware has quiet beaches, bright bays, and small places where every detail still counts. Strong math uses the same kind of careful planning: look at the path, choose a tool, and check your work before moving ahead.

Notice

Circle key words, units, and numbers before you start.

Build

Use arrays, number lines, equations, tables, or sketches.

Verify

Ask, "Does this answer fit the question?"

Five-checkpoint promise: I will try each test with patience, mark my mistakes honestly, and use every correction to make the next checkpoint stronger.

How to Use This Book

A five-step routine for steady Grade 3 growth

Use one checkpoint at a time. A good pace is one test, one careful review, and one short skill tune-up before the next test.

1. **Preview the tools.** Skim the reference page and remember where multiplication, fractions, measurement, and shapes appear.
2. **Take one full test.** Work neatly. If a problem feels stuck, mark it and keep moving.
3. **Check the answer key.** Notice the question type: multiple choice, select all, or open-ended.
4. **Study explanations.** Pick two missed questions and redo them without looking.
5. **Choose the next focus.** Write one habit to carry into the next checkpoint.

Best review habit: Do not just ask, “What was the answer?” Ask, “What clue did I miss, and what tool should I try next time?”



What Is Inside?

Five complete practice tests with review support

Part	What You Do	Why It Helps
Practice Tests 1–5	Solve five different 30-question tests.	Build stamina and see many Grade 3 skills mixed together.
Answer Keys	Check each answer in compact boxes.	Find mistakes quickly without losing your place.
Explanations	Read the reason behind each answer.	Turn missed items into a clear next step.
Standards Reference	See how Delaware Grade 3 standards connect to practice.	Understand the skills behind the questions.

Each test has 26 multiple-choice questions, 1 select-all question, and 3 open-ended questions. That mix gives students practice with quick choices, careful reasoning, and short written answers.

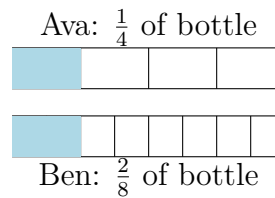


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& answers

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- 8) Two children have identical juice bottles. Ava drinks $\frac{1}{4}$ of hers. Ben drinks $\frac{2}{8}$ of his. Who drank more juice?



- A. It depends on bottle size. C. Ben drank more.
 B. They drank the same amount. D. Ava drank more.
- 9) On a number line split into 4 equal parts, which tick represents $\frac{3}{4}$?



- 10) If $\square \times 3 = 18$, what is $18 \div 3$?
- A. 3 C. 9
 B. 18 D. 6
- 11) A T-shaped figure is divided by dashed lines into three rectangles. The given areas are 10 sq units, 6 sq units, and 6 sq units. What is the total area?
- A. 10 sq units C. 16 sq units
 B. 22 sq units D. 360 sq units



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1) Lily has 20 stickers. She puts them in packs of 4 stickers each. How many packs can she make?

A. 4

C. 16

B. 6

D. 5

2) A teacher buys 5 packs of colored paper with 10 sheets each for a project. She divides them equally among 5 students. How many sheets does each student get?

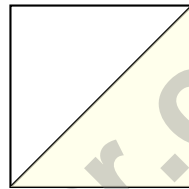
A. 5

C. 15

B. 25

D. 10

3) A square is divided into 2 equal parts by a diagonal line. What fraction is one part?



A. $\frac{1}{3}$

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

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

D. $\frac{1}{2}$

4) Find the missing number in the fact family:

$$2 \times 8 = 16 \quad 16 \div 2 = \square$$

A. 2

C. 16

B. 18

D. 8



5) Which fact family shows numbers that belong together?

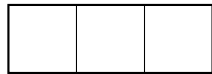
A. 5, 8, 40 and $40 \div 5 = 7$

C. 6, 7, 42 and $42 \div 7 = 5$

B. 4, 6, 24 and $24 \div 4 = 6$

D. 3, 9, 27 and $27 \div 3 = 8$

6) Which shape is made of exactly 6 unit squares?



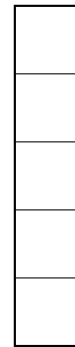
A



B



C



D

A. Option A

C. Option C

B. Option B

D. Option D

7) What is 3×4 ?

8) What number makes the equation true?

$\div 2 = 9$

A. 19

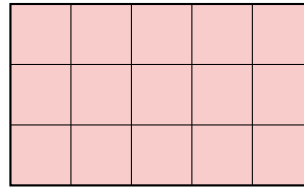
C. 17

B. 16

D. 18



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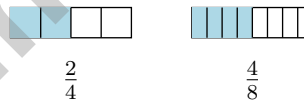
1)

Count all unit squares in this grid. What is the total?

- A. 12 unit squares C. 14 unit squares
 B. 13 unit squares D. 15 unit squares

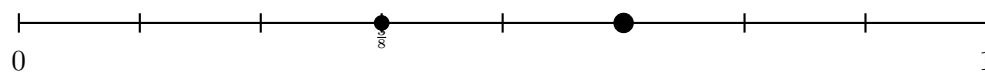
2) Maya buys 7 packs of stickers. Each pack has 30 stickers. How many stickers does Maya buy?

3) Look at the bars. Which fraction is equivalent to $\frac{2}{4}$?



- A. $\frac{3}{8}$ C. $\frac{1}{4}$
 B. $\frac{4}{8}$ D. $\frac{2}{6}$

4) A number line from 0 to 1 has 8 equal parts. If you start at $\frac{3}{8}$ and move 2 parts to the right, where do you land?



- A. $\frac{3}{8}$ C. $\frac{5}{8}$
 B. $\frac{4}{8}$ D. $\frac{6}{8}$



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5) Which description does NOT clearly show equal groups for multiplication?

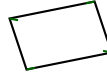
- A. Four groups of three objects each C. Six columns of two dots each
 B. Two rows of nine stars each D. Counting by ones from 0 to 10

6)

Square



Rhombus



Which property do all squares and all rhombuses share?

- A. All have 4 right angles C. All have no parallel sides
 B. All have 4 equal sides D. All have 5 sides
- 7) Quinn has 3 baskets with 5 apples in each. Quinn gives away 3 apples. How many apples does Quinn have left?

- A. 8 C. 15
 B. 12 D. 18

8) Ava has 54 flowers. She wants to make 9 bouquets with an equal number of flowers in each. How many flowers are in each bouquet?

- A. 45 C. 63
 B. 8 D. 6



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.

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Practice Test Answers and Explanations

Practice Test 1 Answers and Explanations

- 1) **Choice A is correct.** **(3.OA.A.3)** Divide: $28 \div 4 = 7$ plates.
- 2) **Choice C is correct.** **(3.OA.C.7)** $32 \div 4 = 8$ because $8 \times 4 = 32$. You need 4 groups with 8 in each group.
- 3) **Choice C is correct.** **(3.OA.D.8)** Step 1: Divide: $72 \div 8 = 9$ marbles per bag. Step 2: Remaining bags: $8 - 3 = 5$ bags; kept marbles: $5 \times 9 = 45$ marbles. (Choice A is step 1 only; choice B is incorrect calculation.)
- 4) **Choice D is correct.** **(3.NBT.A.1)** The tens digit is 7. Since $7 \geq 5$, round up: 475 rounds to 500.
- 5) **Choice D is correct.** **(3.OA.B.5)** $4 \times 5 = 20$ and $4 \times 2 = 8$, so $20 + 8 = 28$. Also $4 \times 7 = 28$.
- 6) **Choice B is correct.** **(3.MD.B.4)** Subtract: $5 - 3 = 2$ more twigs are 4 inches long.
- 7) **Choice C is correct.** **(3.MD.B.3)** $7 \times 5 = 35$ cupcakes.
- 8) **Choice B is correct.** **(3.NF.A.3a)** $\frac{1}{4} = \frac{2}{8}$. Both represent one-quarter of the bottle (see the shaded regions are equal).
- 9) **The correct answer is 3.** **(3.NF.A.2b)** $\frac{3}{4}$ is the third tick from 0.
- 10) **Choice D is correct.** **(3.OA.B.6)** The unknown factor in $\square \times 3 = 18$ is 6. This is exactly the same as $18 \div 3 = 6$. Multiplication and division are inverse operations.
- 11) **Choice B is correct.** **(3.MD.C.7d)** Add all three parts: $10 + 6 + 6 = 22$ square units.
- 12) **Choice D is correct.** **(3.OA.A.2)** $21 \div 3 = 7$. The picture shows 3 equal groups, each with 7 items.
- 13) **Choice D is correct.** **(3.OA.A.4)** In a fact-family triangle, the top is the product. If one factor is 4 and the product is 36, then $36 \div 4 = 9$, so the other factor is 9.
- 14) **Choice B is correct.** **(3.NF.A.3c)** Any whole number n equals $\frac{n}{1}$. So $6 = \frac{6}{1}$.
- 15) **Choices A, B, C, and D are correct.** **(3.MD.C.6)** A: $3 \times 4 = 12$ unit squares. B: $6 \times 2 = 12$ unit squares. C: $2 \times 6 = 12$ unit squares. D: $4 \times 3 = 12$ unit squares. E: $5 \times 3 = 15$ unit squares. Items A, B, C, D all cover 12 square units.
- 16) **Choice B is correct.** **(3.NF.A.2a)** Larger denominators give smaller fractions. $\frac{1}{8} < \frac{1}{4} < \frac{1}{2}$.
- 17) **Choice A is correct.** **(3.OA.D.9)** Each product is 4 times a whole number. Since 4 is even, every multiple of 4 is even. This is true for all even numbers: even \times (any number) = even.
- 18) **Choice C is correct.** **(3.MD.C.7)** Area = $10 \times 2 = 20$ square cm.
- 19) **Choice A is correct.** **(3.MD.C.5)** Area is the amount of space inside a flat shape, measured in square units.
- 20) **Choice B is correct.** **(3.NF.A.2)** Count: Start at tick 1 ($\frac{1}{4}$), move 2 ticks right ($1+2=3$). Land at tick 3, which is $\frac{3}{4}$.
- 21) **Choice B is correct.** **(3.MD.A.2)** Read the marking on the measuring cup: 200 mL.
- 22) **Choice C is correct.** **(3.MD.A.1)** $2 : 18 + 22 \text{ min} = 2 : 40 \text{ PM}$.
- 23) **Choice C is correct.** **(3.NF.A.3b)** The denominator was multiplied by 3 (from 2 to 6). Multiply the numerator by 3: $1 \times 3 = 3$. So $\frac{1}{2} = \frac{3}{6}$.
- 24) **Choice B is correct.** **(3.MD.C.5b)** There are 2 rows with 9 unit squares in each row: $9 \times 2 = 18$ unit squares.
- 25) **The correct answer is $\frac{1}{4}$.** **(3.NF.A.1)** One piece out of 4 equal pieces is $\frac{1}{4}$.
- 26) **Choice D is correct.** **(3.OA.A.1)** 8 packs with 6 cards each means 8 groups of 6. So $8 \times 6 = 48$ cards.
- 27) **Choice A is correct.** **(3.MD.C.7c)** $2 \times (8 + 4) = 2 \times 12 = 24$ or $(2 \times 8) + (2 \times 4) = 16 + 8 = 24$.
- 28) **Choice B is correct.** **(3.NBT.A.3)** The array shows 5 columns of 10 dots each. So $5 \times 10 = 50$ units total.
- 29) **The correct answer is $\frac{1}{2}$.** **(3.NF.A.3d)** With the same numerator, the smaller denominator makes the larger fraction.
- 30) **Choice A is correct.** **(3.MD.C.5a)** The rectangle is 4 by 2, so it has 8 unit squares total. A vertical line through the middle divides it into two 2-by-2 sections of 4 each.

Practice Test 2 Answers and Explanations



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Notes From Your Math Builder

Hi, Math Builder!

◇ Through 5 practice tests, you built your math house brick by brick. The walls are strong. The roof is on. You are ready for anything test day brings. ◇

★ **Builders know:** good plans make strong houses. You learned to plan, then build. That helps with any problem. ★

Builder's Tools

- **Foundation:** ROCK SOLID. Math facts are in place.
- **Frame:** STRONG. You can break problems into parts.
- **Walls:** TIDY. Your work is neat and clear.
- **Roof:** DONE. You always answer the question.

Builder tip: on test day, build each answer like a tiny house. Read first. Plan next. Do the math. Then check!

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

Jay Daie

Your Math Builder

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- ✓ Time & Money
- ✓ Data & Graphs
- ✓ Word Problems
- ✓ And More!



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

$$\begin{array}{r} 36 \\ \div 4 = 9 \end{array}$$

$$\begin{array}{r} 452 \\ -178 \\ \hline = 274 \end{array}$$



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Classroom Learning



Homework Support



Test Preparation



Extra Practice & Review