

9

Delaware DeSSA

GRADE 3 MATH PRACTICE TESTS

COMPLETE STANDARDS REVIEW WITH SKILL PRACTICE,
WORD PROBLEMS, AND ANSWER KEY

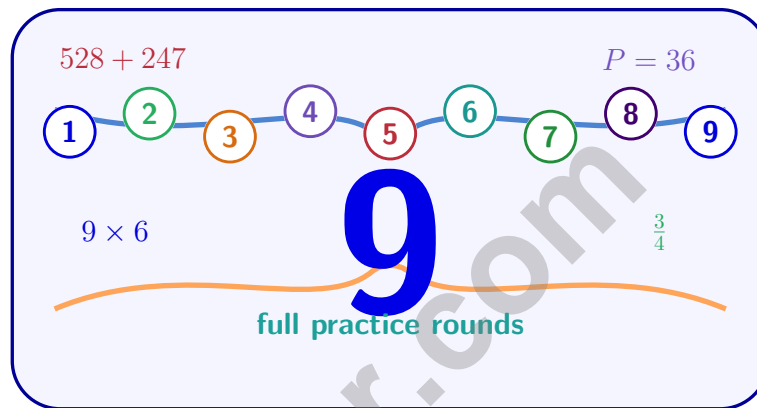


10

FOR THE COMPREHENSIVE ASSESSMENT PROGRAM

9 Delaware DeSSA Grade 3 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Nine complete 30-question Grade 3 practice rounds with operations, fractions, measurement, data, area, shapes, answer keys, and clear explanations for every item.

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Delaware, Start Your Nine-Round Math Quest

A steady Grade 3 route from first try to confident finish

This book gives you nine chances to practice like a thoughtful Delaware DeSSA test taker. Each round mixes numbers, shapes, fractions, data, measurement, and word problems so your brain learns to switch skills calmly.

Delaware has bay beaches, farm roads, small towns, marsh paths, and busy crossings, where careful steps matter. Strong math follows that same idea: check what the question asks, choose a useful tool, show the work, and explain before moving on.

Your Delaware Math Promise

I will slow down enough to understand the question. I will show the work that helps me think. I will use mistakes as practice fuel, then try again with a sharper plan.

Nine rounds is not about rushing. It is about building a math habit that stays strong.

How to Use This Book

A nine-session routine for clear Delaware review

1. **Warm up first.** Read the quick review pages and remind yourself of the big ideas.
2. **Take one test at a time.** Work without rushing. Circle words, sketch models, and label units.
3. **Check the answer key.** Mark correct answers, then star questions that need another look.
4. **Read explanations after trying again.** The explanation works best after your brain has wrestled with the problem.
5. **Use the growth log.** Track the score, one strong habit, and one skill to practice next.

Good rhythm: Test one day, review the next day, then take the next test when your corrections feel clear. In Delaware, that steady routine turns nine tests into one organized prep plan.



What Is Inside the Nine Tests?

Mixed Grade 3 practice with DeSSA support

Part	What You Practice
Nine full tests	30 mixed Grade 3 questions in each round
Question styles	Multiple choice, select-all, and open-ended work spaces
Math topics	Operations, patterns, rounding, fractions, measurement, data, area, perimeter, and shapes
Answer support	Compact answer keys plus explanations for every item
Standards help	A Delaware standards reference and standard-code boxes in explanations

Why mixed practice helps: Real tests do not announce the next skill. These nine rounds help students recognize the math move they need, even when the topic changes from question to question.

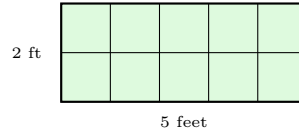


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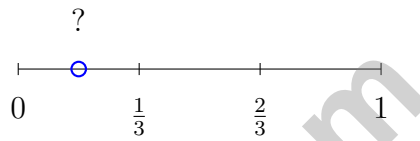
★ Practice Test 1	_____	15
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- 1) A unit square measures 1 foot by 1 foot. Which rectangle requires exactly 10 unit squares to cover it?



- A. 2 feet by 5 feet C. 2 feet by 4 feet
 B. 3 feet by 3 feet D. 3 feet by 2 feet

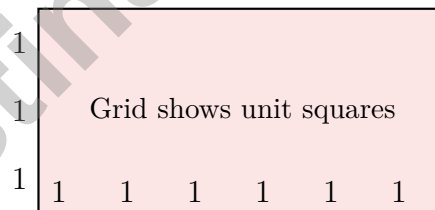
- 2)



The blue dot is halfway between 0 and $\frac{1}{3}$. Which comparison is true?

- A. The dot $> \frac{1}{3}$ C. The dot = $\frac{2}{3}$
 B. The dot $< \frac{1}{3}$ D. The dot = 0

- 3)



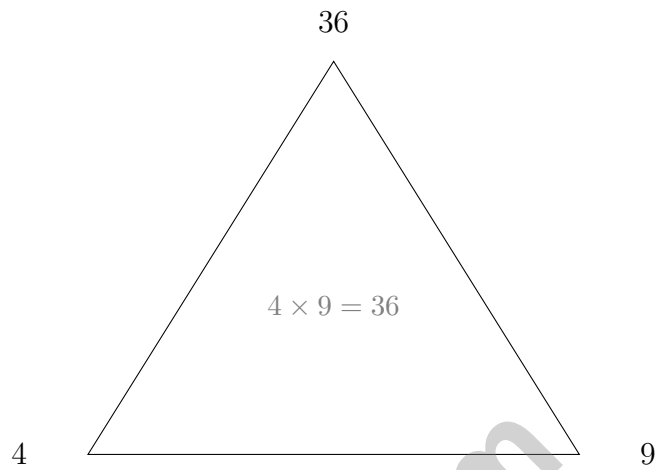
The rectangle above shows 6 unit squares across and 3 unit squares down. Which multiplication statement represents this rectangle's area?

- A. $6 + 3 = 9$ C. $3 + 3 + 3 + 3 + 3 + 3 = 18$
 B. $6 \times 3 = 18$ D. $9 \times 2 = 18$



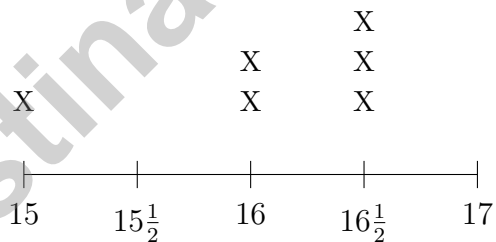
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7) Look at the fact-family triangle. Which two divisions can you write?



- A. $36 \div 4 = 9$ and $36 \div 9 = 4$
 C. $4 + 9 = 13$ and $36 - 13 = 23$
 B. $36 \div 9 = 36$ and $36 \div 4 = 36$
 D. $9 \div 4 = 2$ and $36 \div 2 = 18$

8) Noah recorded bird wing spans in inches with halves: 15, $15\frac{1}{2}$, 16, $16\frac{1}{2}$, 17.



Which wing span is the mode?

- A. 15 inches
 C. $16\frac{1}{2}$ inches
 B. 16 inches
 D. 17 inches



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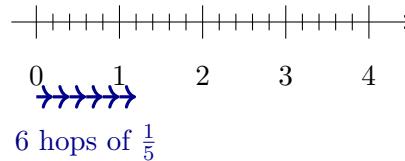
1) Noah has $\frac{2}{6}$ of a chocolate bar. What is an equivalent fraction that shows the same amount?

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

C. $\frac{2}{3}$

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

D. $\frac{3}{6}$



2)

A frog makes 6 equal hops of size $\frac{1}{5}$ on a number line divided into fifths. Where does the frog land after 6 hops?

A. At $\frac{1}{5}$

C. At 1

B. At $\frac{6}{5}$ (between 1 and 2)

D. At $\frac{5}{6}$

3) A line plot shows water bottle volumes in milliliters: 250 , $250\frac{1}{2}$, 251 , $251\frac{1}{2}$, 252 (using halves for simplicity in Grade 3 scale). There are 2 X's at 250 mL. How many more X's would we need at $250\frac{1}{2}$ to make the total 9 if the others have 1 X each?

A. 2

C. 4

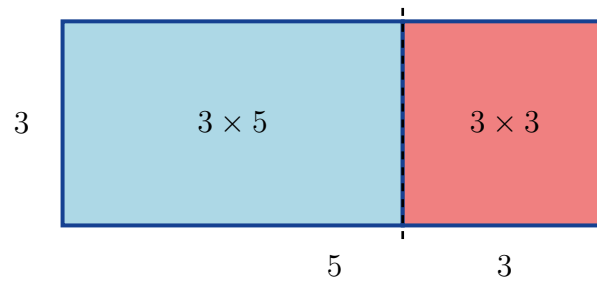
B. 3

D. 5



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4) Mia splits a rectangle to show $3 \times 8 = 3 \times (5 + 3)$.



What is $3 \times 5 + 3 \times 3$?

A. 14

C. 27

B. 20

D. 24

5) Write a fraction with numerator 3 that is larger than $\frac{3}{8}$.

6) Sam reads for 26 minutes starting at 6 : 19 PM. What time does Sam finish reading?

A. 6 : 35 PM

C. 6 : 45 PM

B. 6 : 40 PM

D. 6 : 50 PM



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.MD.C.5a)** $2 \times 5 = 10$ unit squares. Option B is $3 \times 3 = 9$. Option C is $2 \times 4 = 8$. Option D is $3 \times 2 = 6$.
- 2) **Choice B is correct.** **(3.NF.A.3d)** The blue dot is halfway between 0 and $\frac{1}{3}$, so it represents $\frac{1}{6}$. Since $\frac{1}{6} < \frac{1}{3}$, the dot is to the left of $\frac{1}{3}$.
- 3) **Choice B is correct.** **(3.MD.C.7b)** Representing area as a rectangular array: multiplying the number of unit squares across (6) by the number down (3) gives $6 \times 3 = 18$ square units. Choice A (9) is the sum; C (18) is correct but inefficient for Grade 3 (repeated addition); D (18) arrives at correct answer but uses wrong factors.
- 4) **Choice C is correct.** **(3.OA.D.9)** From 7 to 14 is $+7$; from 14 to 21 is $+7$; from 21 to 28 is $+7$.
- 5) **The correct answer is 40 tiles.** **(3.MD.C.5b)** Count the rows: 5 rows of tiles. Count across: 8 tiles per row. Total: $8 + 8 + 8 + 8 + 8 = 40$ square foot tiles cover the floor.
- 6) **Choice D is correct.** **(3.NF.A.3a)** Both A ($\frac{1}{2}$) and D ($\frac{2}{4}$) represent one-half of their rectangles.
- 7) **Choice A is correct.** **(3.OA.B.6)** From the fact-family triangle with factors 4 and 9 and product 36, we write two divisions: $36 \div 4 = 9$ and $36 \div 9 = 4$. The factors become quotients.
- 8) **Choice C is correct.** **(3.MD.B.4)** The mode is the value with the most X's. At $16\frac{1}{2}$, there are 3 X's, which is more than any other value.
- 9) **Choice B is correct.** **(3.NF.A.1)** $\frac{1}{2} + \frac{1}{2} = \frac{2}{2} = 1$ whole. So 2 unit fractions of $\frac{1}{2}$ make a whole.
- 10) **The correct answer is 20.** **(3.MD.A.1)** $6 : 35$ is 20 minutes after 6 : 15.
- 11) **Choice A is correct.** **(3.OA.A.1)** Three packs with eight erasers each is 3 groups of 8, which equals $3 \times 8 = 24$ or $8 \times 3 = 24$. Option B is the addition misconception. Option C uses only one factor. Option D is incomplete (only two groups).
- 12) **Choice D is correct.** **(3.NBT.A.1)** The tens digit is 5. Since $5 \geq 5$, round up: 756 rounds to 800.
- 13) **Choices A and C are correct.** **(3.MD.C.7d)** A is correct because it divides into non-overlapping rectangles and adds. C is correct (any horizontal or vertical decomposition works). B is wrong (multiply areas, not add individual dimensions). D is also valid but only A and C are listed as choices. E is wrong (must find actual areas, not just look at the longest side).
- 14) **Choice B is correct.** **(3.NF.A.2b)** Point *T* is at the second tick of three equal parts from 0. That is $\frac{2}{3}$.
- 15) **Choice B is correct.** **(3.G.A.2)** Two columns out of three equal columns is $\frac{2}{3}$.
- 16) **Choice B is correct.** **(3.MD.C.7c)** Use the distributive property: multiply 6 by each part, then add.
- 17) **Choice C is correct.** **(3.MD.C.7a)** Count rows and columns: $6 \times 4 = 24$ square units. Bridge from visual tiling to multiplication.
- 18) **Choice B is correct.** **(3.NF.A.3c)** $\frac{12}{4}$ means 12 fourths. 4 fourths = 1 whole, so $12 \div 4 = 3$ wholes.
- 19) **Choice D is correct.** **(3.OA.A.4)** Divide: $42 \div 6 = 7$ marbles per bag. Check: $6 \times 7 = 42$.
- 20) **Choice A is correct.** **(3.OA.A.2)** If $24 \div ? = 4$, then $? = 24 \div 4 = 6$. Check: $24 \div 6 = 4$ is correct.
- 21) **Choice D is correct.** **(3.NF.A.2)** The line is divided into thirds, so $\frac{1}{4}$ is not a tick mark on this particular number line.
- 22) **Choice C is correct.** **(3.MD.A.2)** Read directly from the measuring cup: 500 mL.
- 23) **Choice B is correct.** **(3.NF.A.3b)** Multiply numerator and denominator by 2: $\frac{1 \times 2}{3 \times 2} = \frac{2}{6}$.
- 24) **Choice B is correct.** **(3.MD.C.5)** $4 \times 5 = 20$ square units. The other options give: $2 \times 8 = 16$, $3 \times 6 = 18$, $2 \times 9 = 18$.
- 25) **Choice D is correct.** **(3.NBT.A.2)** Add: $127 + 234 = 361$. Ones: $7 + 4 = 11$ (write 1, carry 1). Tens: $2 + 3 + 1 = 6$. Hundreds: $1 + 2 = 3$.
- 26) **The correct answer is 30 apples.** **(3.MD.B.3)** Basket A: $2 \times 5 = 10$ apples. Basket B: $4 \times 5 = 20$ apples. Total: $10 + 20 = 30$ apples.
- 27) **Choice B is correct.** **(3.MD.C.7)** The grid has 3 columns and 6 rows. Area = $3 \times 6 = 18$ square units. You can also add: $3 + 3 + 3 + 3 + 3 + 3 = 18$ (six rows of three).
- 28) **Choice C is correct.** **(3.NBT.A.3)** Multiply $6 \times 5 = 30$, then add one zero: $6 \times 50 = 300$.



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Inventor's Workshop Note

Hi, Math Inventor!

◇ 9 practice tests. 9 chances to invent new ways to think. You tried things. You changed them. You made your math brain stronger! ◇

★ **Inventors know:** the first try isn't always the best try. Sometimes you fix it. Sometimes you start over. You did all of that! ★

Inventor's Workshop

- **Sketch Pad:** Full of ideas!
- **Toolbox:** Lots of math strategies.
- **Workbench:** Neat and organized.
- **Brave Mind:** You try new things.

Inventor tip: on test day, if your first try doesn't work, switch tools. Inventors don't get stuck on one tool. Pick the right one for the job!

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

Jay Daie

Your Math Inventor

STRONG TODAY. SUCCESS TOMORROW.

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9
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