

5

Nebraska

NSCAS Growth

GRADE 3

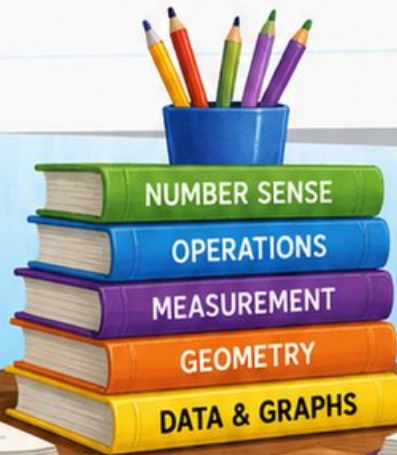
MATH

PRACTICE TESTS

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

$24 \div 3 = 8$

$125 + 37$



5 FULL-LENGTH  
PRACTICE TESTS



STANDARDS-  
ALIGNED  
PRACTICE



DETAILED  
ANSWER KEYS



CLEAR  
EXPLANATIONS  
TO HELP YOU SUCCEED

# 5 Nebraska NSCAS Growth 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 Nebraska NSCAS Growth. Each checkpoint is a full 30-question test, so you can practice stamina, accuracy, and the habit of showing what you know.

Nebraska has prairie routes, crane migrations, river valleys, and long views that make patterns easier to see. 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 Nebraska 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.



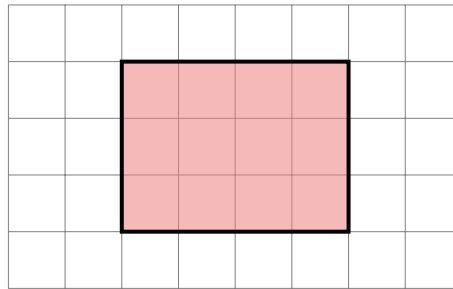
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& answers

# Table of Contents

★ Practice Test 1	_____	13
★ Practice Test 2	_____	24
★ Practice Test 3	_____	37
★ Practice Test 4	_____	50
★ Practice Test 5	_____	63
Practice Test Answer Keys	_____	75
Practice Test Answers and Explanations	_____	79



6) Look at the grid. What is the area of the shaded shape?

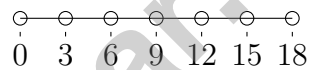


- A. 8 square units                       C. 12 square units  
 B. 10 square units                     D. 15 square units

7) Which fraction equals the whole number 2?

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

8)



This number line shows skip counting. Which multiplication sentence matches?

- A.  $3 \times 9 = 27$                        C.  $5 \times 3 = 15$   
 B.  $3 \times 5 = 15$                        D.  $6 \times 3 = 18$
- 9) Lily shares 18 crayons equally among 6 friends. How many crayons does each friend get?
- A. 2     C. 4  
 B. 24                                         D. 3



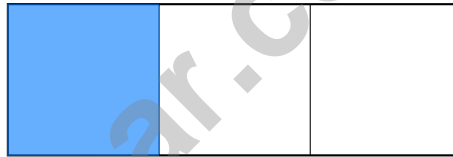
- 10) A garden is 9 meters long and 3 meters wide. Show how you would count all the unit squares. Write a number sentence (like  $3 + 3 + 3 + \dots$ ).



- 11) Mia covers a rectangular board with unit squares. The board is 9 units long and 4 units wide. How many unit squares does she use?

- A. 26 unit squares                       C. 40 unit squares  
 B. 13 unit squares                       D. 36 unit squares

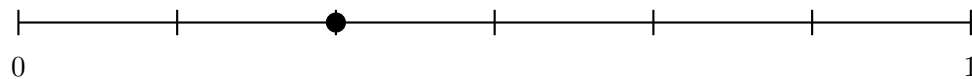
- 12) Here is a rectangle divided into 3 equal columns.



The shaded part is what fraction of the rectangle?

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

- 13) On this number line, the distance from 0 to 1 is divided into 6 equal parts. The point shown is at which fraction?



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



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1) A sheet of paper is 8 centimeters long and 4 centimeters wide. What is its area?

- A. 32 sq cm                       C. 12 sq cm  
 B. 24 sq cm                       D. 36 sq cm

2) In a multiplication table,  $2 \times 6 = 12$  and  $6 \times 2 = 12$ .

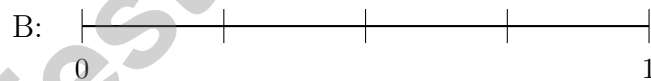
Why does this pattern always happen?

- A. Because 2 and 6 are different numbers                       C. Because 12 is an even number  
 B. Because the table is square-shaped                      not change the product                       D. Because multiplication order does

3) Mia has 24 stickers. She gets 3 packs of 8 more stickers. How many stickers does Mia have now?

- A. 24                                       C. 40  
 B. 32                                       D. 48

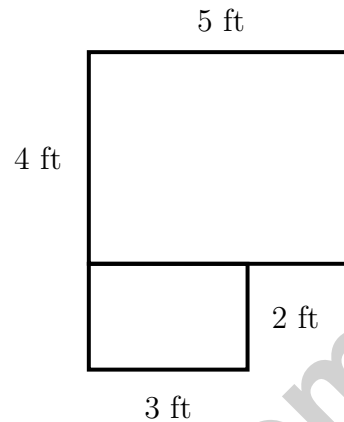
4) Which number line correctly shows an interval from 0 to 1 divided into 6 equal parts?



- A. Option A                                       C. Neither is correct  
 B. Option B                                       D. Both are correct



- 5) An L-shaped patio is shown with dashed lines dividing it into two rectangles. The first rectangle is 5 ft by 4 ft. The second is 3 ft by 2 ft. What is the total area of the patio?

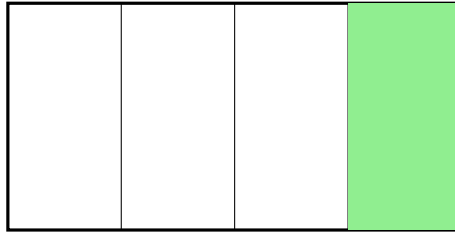


- A. 26 sq ft                       C. 14 sq ft  
 B. 20 sq ft                       D. 40 sq ft
- 6) A game starts at 10 : 45 and lasts 1 hour 15 minutes. What time does it end?



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- 1) Look at the rectangle divided into equal parts below. One part is shaded.



What fraction is shaded?

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

- 2) This rectangle is divided into unit squares on a grid.



What is the area?

- A. 8 sq units                       C. 20 sq units  
 B. 15 sq units                       D. 25 sq units

- 3) Ben draws a rectangle on a grid. It has 4 rows of unit squares and 5 columns. What is the area?

- A. 18 sq units                       C. 9 sq units  
 B. 24 sq units                       D. 20 sq units



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4)

Row	1st	2nd	3rd	4th
A	3	6	9	12
B	5	10	15	20

Which row shows multiples of 3?

- A. Row A only                       C. Both rows  
 B. Row B only                       D. Neither row
- 5) Noah has 24 pencils to put in 3 boxes equally. How many pencils go in each box?
- A. 6 pencils                       C. 8 pencils  
 B. 7 pencils                       D. 9 pencils
- 6) Find  $6 \times 5 + 6 \times 3$ .

- 7) Marcus says  $4 \times 70 = 4700$ . Is he correct? Why or why not?
- A. Yes, he is correct.                       C. No, the answer is 470.  
 B. No, the answer is 280.                       D. No, the answer is 2800.
- 8) A line plot shows pencil lengths in inches:  $5, 5\frac{1}{2}, 6, 6\frac{1}{2}$ . There are 2 X's at 5 inches and 1 X at 6 inches. If the mode is  $5\frac{1}{2}$  inches, what is the least possible number of X's at the mode?
- A. 1                                       C. 3  
 B. 2                                       D. 5



## 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 C is correct.** **(3.NF.A.3a)**  $\frac{4}{6} = \frac{2}{3}$  because both represent two-thirds of the poster.
- 2) **Choice B is correct.** **(3.MD.B.3)** Blue is 4 units, tallest.  $4 \times 10 = 40$  cans, the most.
- 3) **Choice B is correct.** **(3.MD.C.7)** Area =  $10 \times 2 = 20$  square meters.
- 4) **Choice C is correct.** **(3.MD.A.2)** Divide:  $2000 \div 250 = 8$  glasses.
- 5) **Choice D is correct.** **(3.MD.C.7b)** Area = length  $\times$  width =  $5 \times 2 = 10$  square centimeters.
- 6) **Choice C is correct.** **(3.MD.C.5)** The rectangle is 4 units wide and 3 units tall.  $4 \times 3 = 12$  square units.
- 7) **Choice C is correct.** **(3.NF.A.3c)** 2 equals  $\frac{2}{1}$  (two wholes divided into one part each).
- 8) **Choice D is correct.** **(3.OA.A.1)** Skip counting by 3 six times gives 0, 3, 6, 9, 12, 15, 18. This represents 6 groups of 3, so  $6 \times 3 = 18$ .
- 9) **Choice D is correct.** **(3.OA.A.2)**  $18 \div 6 = 3$ . The total crayons are divided equally among the friends.
- 10) **The correct answer is 27 sq m.** **(3.MD.C.6)** Accept any counting strategy (row-add or column-add). Students should show repeated addition or skip-counting.
- 11) **Choice D is correct.** **(3.MD.C.5b)**  $9 \times 4 = 36$  unit squares.
- 12) **Choice A is correct.** **(3.G.A.2)** One shaded column out of three equal columns is  $\frac{1}{3}$  of the rectangle.
- 13) **Choice B is correct.** **(3.NF.A.2)** Counting from left, the mark is at the 2nd tick out of 6 equal parts, so it is  $\frac{2}{6}$ .
- 14) **Choice B is correct.** **(3.NBT.A.3)** The chart shows 6 tens and 0 ones, which is  $6 \times 10 = 60$ .
- 15) **Choice D is correct.** **(3.OA.A.4)** The total number of stickers is unknown. Since the stickers are shared equally among 3 friends and each friend gets 6, the equation is  $\square \div 3 = 6$ .
- 16) **Choices A and B are correct.** **(3.NF.A.2a)** A and B are the direct descriptions of the unit fraction  $\frac{1}{6}$ . The fourth tick is  $\frac{4}{6}$ , not  $\frac{5}{6}$ , so C is false. D is false because the denominator is 6, and E is false because one part is  $\frac{1}{6}$ , not  $\frac{1}{12}$ .
- 17) **Choice B is correct.** **(3.MD.A.1)**  $9 : 23 \text{ PM} + 9 \text{ hours} = 6 : 23 \text{ AM}$ . Then  $6 : 23 + 37 \text{ min} = 7 : 00 \text{ AM}$ .
- 18) **Choice B is correct.** **(3.NF.A.2b)**  $\frac{7}{3} = 2\frac{1}{3} \approx 2.33$ . This is between 2 and 3, closer to 2.
- 19) **Choice D is correct.** **(3.OA.D.8)** Step 1: Subtract:  $80 - 8 = 72$  chairs. Step 2: Divide by rows:  $72 \div 8 = 9$  chairs per row.
- 20) **Choice D is correct.** **(3.OA.B.5)**  $6 \times 3 = 18$ . Options A, B, and C all equal 18. But  $4 \times 3 + 2 = 12 + 2 = 14$ , which does not equal 18.
- 21) **Choice C is correct.** **(3.OA.D.9)** Add 7 to 49 to get 56. Multiples of 7 always increase by 7.
- 22) **Choice B is correct.** **(3.MD.C.7c)** Add the two areas:  $(2 \times 6) + (2 \times 5) = 12 + 10 = 22$  square units.
- 23) **The correct answer is 623.** **(3.NBT.A.2)** Ones:  $5 + 8 = 13$  (write 3, carry 1). Tens:  $7 + 4 + 1 = 12$  (write 2, carry 1). Hundreds:  $3 + 2 + 1 = 6$ . Final answer: 623.
- 24) **Choice D is correct.** **(3.OA.B.6)**  $24 \div 4 = \square$  means  $\square \times 4 = 24$ . Since  $6 \times 4 = 24$ , each shelf has 6 books.
- 25) **Choice B is correct.** **(3.MD.B.4)** Subtract:  $5 - 3 = 2$  more twigs are 4 inches long.
- 26) **The correct answer is 26 square meters.** **(3.MD.C.7d)** Upper part:  $5 \times 4 = 20$  sq m. Lower part:  $3 \times 2 = 6$  sq m. Total:  $20 + 6 = 26$  sq m.
- 27) **Choice B is correct.** **(3.NF.A.3b)** Pie 2 shows  $\frac{1}{2}$  (half shaded) and Pie 3 shows  $\frac{4}{8}$  (half shaded). These are equivalent because  $\frac{1 \times 4}{2 \times 4} = \frac{4}{8}$ .
- 28) **Choice B is correct.** **(3.MD.C.5a)** A unit square by definition has side length 1 unit. In centimeters, that is 1 cm by 1 cm, giving area  $1 \text{ cm} \times 1 \text{ cm} = 1$  square cm.
- 29) **Choice C is correct.** **(3.NF.A.3)**  $\frac{3}{4}$  and  $\frac{6}{8}$  both show three-fourths of a whole.
- 30) **Choice A is correct.** **(3.NF.A.3d)** Same numerator: fourths are smaller pieces than thirds. One fourth is smaller than one third.

### Practice Test 2 Answers and Explanations



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Notes From the Math Gardener

## Hi, Math Gardener!

◇ Look at how much you grew! 5 tests is like 5 weeks of taking care of your math garden. Every problem was a seed. Every try was water. ◇

★ **Gardeners say:** growth takes time. You can't see roots, but they are there. You can't always feel smarter, but you are. Your math garden is full! ★

### Garden Check-Up

- **Roots:** STRONG! Your basic math is solid.
- **Stems:** STURDY! You can do step-by-step problems.
- **Leaves:** GREEN! You have lots of math tools.
- **Flowers:** BRIGHT! You feel proud of your work.

**Gardener tip:** keep watering your math garden long after the test. Every habit you built will grow with you for years!

If you want to share something or ask a question, please email me at [jay@testinar.com](mailto:jay@testinar.com).

**Jay Daie**

Your Math Gardener

# Build Skills. Boost Confidence.

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



Visit [testinar.com/math3](https://testinar.com/math3) for more Grade 3 math resources and practice materials!



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

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

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



Everything Your Child Needs to Succeed in Grade 3 Math!



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