

# 6

# Nebraska

## NSCAS Growth

### GRADE 3

# MATH

## PRACTICE TESTS

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



6 Full-Length  
Practice Tests



Detailed Answer Keys  
and Explanations



Master Skills.  
Boost Scores.  
Succeed!

# 6 Nebraska NSCAS Growth Grade 3 Math Practice Tests

*Standards-Aligned Review with Mixed Practice and Answer Key*



Six complete 30-question practice labs for Grade 3 math: operations, 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 Six Skill Labs

Six full tests, six focused resets, and a stronger Grade 3 problem solver



Notice the pattern. Choose a tool. Explain the answer.

## To the Grade 3 Math Builder

This book gives you six practice labs for the Nebraska NSCAS Growth. Each lab is a complete 30-question test, so students can practice accuracy, stamina, and clear mathematical thinking.

Nebraska brings sandhill trails, prairie winds, river crossings, and farm grids. Strong math uses that same care: read the task, select a strategy, build the solution, and check the structure before calculating.

### Decode

Find the question, the units, and the useful numbers.

### Design

Use an equation, array, number line, graph, or sketch.

### Confirm

Make sure the answer matches the question.

**Six-lab promise:** I will work with patience, show useful thinking, and treat corrections as part of learning.

# How to Use This Book

A six-lab routine for steady Grade 3 growth

Use one practice lab at a time. The goal is not only to finish more pages. The goal is to finish, review, repair, and bring a smarter habit to the next test. For Nebraska students, each lab is a short route through sandhill trails, prairie winds, river crossings, and farm grids: steady, alert, and ready for the next clue.

1. **Warm up.** Skim the reference materials and remind yourself of common tools.
2. **Take one test.** Work steadily and mark problems that need a second look.
3. **Check answers.** Use the compact answer keys first.
4. **Read explanations.** Study missed items and any lucky guesses.
5. **Redo two problems.** Rewrite the work cleanly without peeking.
6. **Set the next lab goal.** Choose one skill or habit to improve.

**Best review habit:** A mistake is most useful when you can say why it happened and what you will do differently next time.



## What Is Inside?

Six complete practice tests with review support

| Part                | What You Do   | Why It Helps   |
|---------------------|---|--|
| Practice Tests 1–6  | Solve six different 30-question tests.                  | Build stamina and see Grade 3 skills mixed together. |
| Answer Keys         | Check each answer in compact boxes.                     | Find mistakes quickly without losing your place.     |
| Explanations        | Read why each answer works.                             | 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. This gives students practice with quick decisions, careful reading, and short written math answers for the Nebraska NSCAS Growth path.



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& answers

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1) Ben tiles a square using unit squares. He puts 5 tiles in each row and 5 tiles in each column. How many tiles does he use?

A. 10

B. 25

C. 15

D. 50

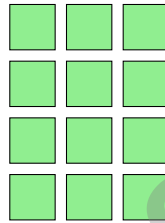
2) Look at this subtraction:  $751 - 329 = 412$ . Is this correct or incorrect?

A. Correct

B. Incorrect; the answer should be 432

C. Incorrect; the answer should be 522

D. Incorrect; the answer should be 422



3)

What is the product shown by this array?

A. 15

B. 7

C. 9

D. 12

4) Which fraction equals the whole number 3?

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

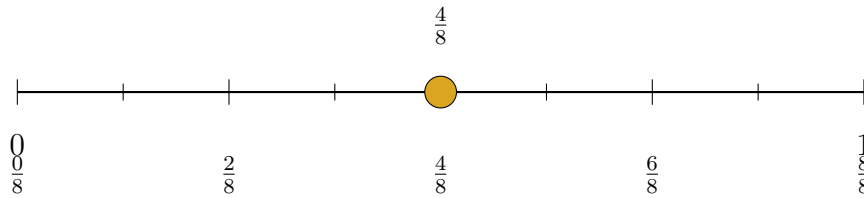
B.  $\frac{3}{1}$

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

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



5) Which of the following is equivalent to  $\frac{2}{4}$ ?



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

6) Mia draws a number line from 0 to 1 with 4 equal parts. She skip-counts by fourths:  $\frac{1}{4}, \frac{2}{4}, \frac{3}{4}, \frac{4}{4}$ . Compare  $\frac{2}{4}$  and  $\frac{3}{4}$ . How many fourths apart are they?

- A. 1 fourth
  C. 3 fourths  
 B. 2 fourths
  D. 4 fourths

7)

| Item       | Mass |
|------------|------|
| Watermelon | 5 kg |
| Pineapple  | 2 kg |

Eli carries a watermelon and a pineapple. What is the total mass?

- A. 3 kg
  C. 7 kg  
 B. 5 kg
  D. 10 kg

8) A pizza is cut into 3 equal slices. Noah eats one slice. What fraction of the pizza does Noah eat?

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



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9) Which multiplication fact is true?

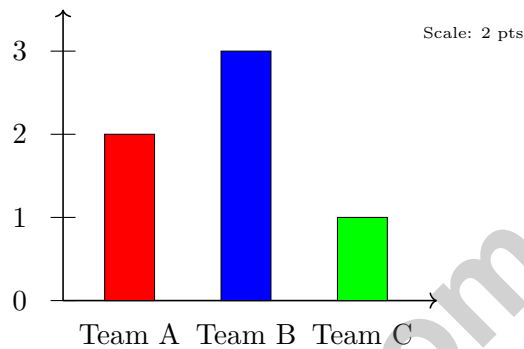
A.  $7 \times 6 = 48$

C.  $9 \times 4 = 36$

B.  $8 \times 6 = 42$

D.  $5 \times 9 = 50$

10) A bar graph shows points scored. Scale is 2 points per unit. Read the three bars.



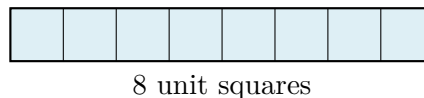
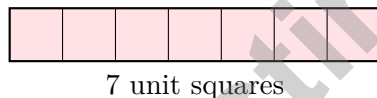
A. Total points: 16

C. Total points: 12

B. Total points: 14

D. Total points: 18

11) Which area is the greatest?



A. A rectangle made of 7 unit squares

C. A rectangle made of 6 unit squares

B. A rectangle made of 8 unit squares

D. A square made of 4 unit squares

12) Ava's dentist appointment is at 3 : 45 PM. She arrives 12 minutes early. What time does Ava arrive?

A. 3 : 30 PM

C. 3 : 57 PM

B. 3 : 33 PM

D. 4 : 00 PM

1) Two shelves each have cookies. Shelf 1 has 3 piles of 4 cookies. Shelf 2 has 4 piles of 3 cookies. How many cookies on each shelf?

- A. Shelf 1 has more  
 B. Shelf 2 has more  
 C. Both shelves have 7 cookies  
 D. Both shelves have 12 cookies



2) 7 units

The rectangle has 7 rows of 3 unit squares. Using repeated addition, find the area:  
 $3 + 3 + 3 + 3 + 3 + 3 + 3 = ?$

- A. 10 sq units  
 B. 21 sq units  
 C. 14 sq units  
 D. 28 sq units

3) The minute hand points to 9. What could be the time?

- A. 2 : 45  
 B. 9 : 05  
 C. 3 : 30  
 D. 5 : 09

4) Ben divides 35 trading cards equally among 5 friends. How many cards does each friend get?

- A. 30  
 B. 8  
 C. 6  
 D. 7



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5) What is 916 rounded to the nearest 100?

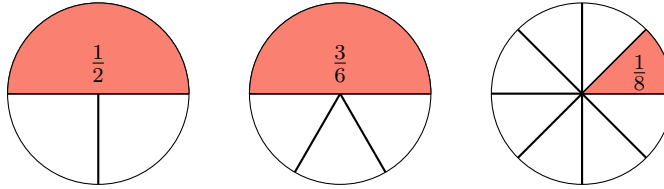
A. 900

C. 916

B. 910

D. 1000

6) Look at the pie charts. Which fraction is NOT equivalent to  $\frac{1}{2}$ ?



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

C.  $\frac{1}{8}$

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

D.  $\frac{2}{4}$

7) A number line from 0 to 1 is divided into 3 equal parts. Where is  $\frac{1}{3}$  located?



A. At the first tick

C. At zero

B. At the second tick

D. At one

8) Which three fractions are all equal to 3 wholes?

A.  $\frac{4}{1}$ ,  $\frac{8}{2}$ ,  $\frac{12}{3}$

C.  $\frac{3}{1}$ ,  $\frac{6}{2}$ ,  $\frac{9}{3}$

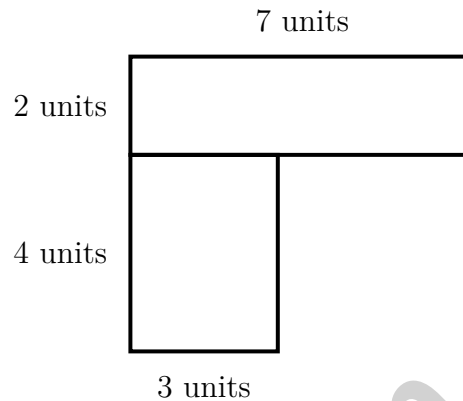
B.  $\frac{2}{1}$ ,  $\frac{4}{2}$ ,  $\frac{6}{3}$

D.  $\frac{5}{1}$ ,  $\frac{10}{2}$ ,  $\frac{15}{3}$





- 5) An L-shaped kitchen floor plan shows two rectangular sections. Upper: 7 units by 2 units. Lower left: 3 units by 4 units. What is the total floor area?



- A. 26 sq units                       C. 12 sq units  
 B. 14 sq units                       D. 56 sq units
- 6) A line plot shows book weights in ounces: 8,  $8\frac{1}{2}$ , 9,  $9\frac{1}{2}$ , 10. Count from the plot shows 1 X at 8 oz, 2 at  $8\frac{1}{2}$  oz, 3 at 9 oz, 2 at  $9\frac{1}{2}$  oz, and 2 at 10 oz. What is the range?
- A. 1 ounce                               C. 2 ounces  
 B.  $1\frac{1}{2}$  ounces                           D.  $2\frac{1}{2}$  ounces
- 7) Noah measures the mass of three books. The first weighs 300 g, the second weighs 400 g, and the third weighs 350 g. If he carries all three books, what is the total mass in grams?



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## 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 B is correct.** **(3.G.2)** Square:  $5 \times 5 = 25$  tiles. Equal row and column count.
- 2) **Choice D is correct.** **(3.A.1)** Ones:  $1 - 9$  requires regrouping, so  $11 - 9 = 2$ . Tens: after regrouping,  $4 - 2 = 2$ . Hundreds:  $7 - 3 = 4$ . The correct answer is 422, so  $751 - 329 = 412$  is incorrect.
- 3) **Choice D is correct.** **(3.D.2)** The array shows 3 columns and 4 rows, so  $3 \times 4 = 12$  or  $4 \times 3 = 12$ .
- 4) **Choice B is correct.** **(3.N.2)** Any whole number can be written as that number over 1. So  $3 = \frac{3}{1}$ . (D) equals 1, not 3.
- 5) **Choice B is correct.** **(3.N.2)**  $\frac{2}{4}$  and  $\frac{4}{8}$  both equal half of a whole and mark the same point.
- 6) **Choice A is correct.** **(3.G.2)** The distance from  $\frac{2}{4}$  to  $\frac{3}{4}$  is  $\frac{3}{4} - \frac{2}{4} = \frac{1}{4}$ , or 1 fourth.
- 7) **Choice C is correct.** **(3.G.3)** Add:  $5 + 2 = 7$  kg.
- 8) **Choice B is correct.** **(3.A.1)** The pizza is cut into 3 equal slices. One slice is one unit fraction, so Noah eats  $\frac{1}{3}$  of the pizza.
- 9) **Choice C is correct.** **(3.A.1)**  $9 \times 4 = 36$  is correct. The others:  $7 \times 6 = 42$ ,  $8 \times 6 = 48$ ,  $5 \times 9 = 45$ .
- 10) **Choice C is correct.** **(3.G.1.1)** Team A:  $2 \times 2 = 4$ . Team B:  $3 \times 2 = 6$ . Team C:  $1 \times 2 = 2$ . Total:  $4 + 6 + 2 = 12$ .
- 11) **Choice B is correct.** **(3.G.2)** 8 square units is larger than 7, 6, or 4 square units.
- 12) **Choice B is correct.** **(3.G.4)**  $3 : 45 - 12 \text{ min} = 3 : 33 \text{ PM}$ .
- 13) **Choice C is correct.** **(3.G.2)** Rectangle X:  $\frac{2}{4}$  shaded is half. Rectangle Y:  $\frac{4}{8}$  shaded is also half. Even though one has 4 parts and the other has 8 parts, the same amount of area is shaded in both rectangles.
- 14) **The correct answer is 26 centimeters.** **(3.G.2)**  $2(9) + 2(4) = 18 + 8 = 26$  centimeters.
- 15) **Choices B and C are correct.** **(3.G.4)** Numbers from 75 to 84 round to 80 when rounded to the nearest 10. Choice A (74) has ones digit  $4 < 5$ , so it rounds to 70. Choice B (76) has ones digit  $6 \geq 5$ , so it rounds to 80. Choice C (84) has ones digit  $4 < 5$ , so it rounds to 80. Choice D (85) has ones digit  $5 \geq 5$ , so it rounds to 90. Choice E (91) has ones digit  $1 < 5$ , so it rounds to 90.
- 16) **Choice B is correct.** **(3.G.1.1)** In a rectangle, opposite sides are equal. The opposite long side is also the length, which is 6 cm.
- 17) **Choice D is correct.** **(3.G.2)** This equation uses subtraction instead of addition. The correct form is  $6 \times (5 + 2) = 6 \times 5 + 6 \times 2$ .
- 18) **Choice B is correct.** **(3.G.2)** Same numerator: sixths are bigger pieces than eighths. Five sixths is greater than five eighths.
- 19) **Choice C is correct.** **(3.N.2)**  $\frac{3}{6} = \frac{1}{2}$ . Both containers are half full.
- 20) **Choice A is correct.** **(3.G.2)**  $\frac{1}{2} = \frac{4}{8}$  because  $\frac{1 \times 4}{2 \times 4} = \frac{4}{8}$ . Both Ava and Ben ate the same amount.
- 21) **Choice D is correct.** **(3.A.1)** Multiply:  $4 \times 6 = 24$ . Check:  $24 \div 6 = 4$ .
- 22) **The correct answer is 24.** **(3.A.1)**  $(2 \times 3) \times 4 = 6 \times 4 = 24$ .
- 23) **Choice D is correct.** **(3.D.2)**  $24 \div 6 = 4$ . Divide the total marbles by the number of piles.
- 24) **Choice D is correct.** **(3.G.2)** Multiply:  $7 \text{ bags} \times 3 \text{ kg per bag} = 21 \text{ kg of flour}$ .
- 25) **Choice D is correct.** **(3.A.1)**  $5 \times 6 = 30$ . The pattern is 6, 12, 18, 24, 30, adding 6 each time.
- 26) **Choice B is correct.** **(3.A.1)** Area = length  $\times$  width =  $7 \times 5 = 35$  square feet. Choice A (12) is the sum  $7 + 5$ ; Choice C (24) is common product error; Choice D (70) is double the area.
- 27) **The correct answer is 4 plants.** **(3.D.2)** At least 9 inches means  $9, 9\frac{1}{2}$ , and 10 inches:  $0 + 1 + 3 = 4$  plants.
- 28) **Choice D is correct.** **(3.D.1)** Area of a square =  $9 \times 9 = 81$  square inches.
- 29) **Choice B is correct.** **(3.N.2)**  $\frac{3}{6}$  and  $\frac{1}{2}$  mark the same point: the middle of the line.
- 30) **Choice D is correct.** **(3.A.1)** Multiply  $5 \times 4 = 20$ , then add one zero:  $5 \times 40 = 200$ . Do not add the digits.

### Practice Test 2 Answers and Explanations



## Hi, Hero!

◇ Once there was a Grade 3 student who took 6 practice tests. At first, the math was tricky. But this student kept showing up, kept trying, and kept learning. By the end, the student became a math hero. That hero is you! ◇

★ **Storytellers know:** every story has a hard middle. The hard middle is where heroes grow. You lived your hard middle. Your story ends with confidence! ★

### Your Hero Toolkit

- **Brave Heart:** You try hard problems.
- **Sharp Mind:** You think carefully before you act.
- **Steady Hand:** You write neatly and check.
- **Kind Spirit:** You are patient with yourself.

**Storyteller tip:** on test day, remember the hero you became. The chapters before today made you stronger. Now write your best chapter!

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 Storyteller

# BUILD CONFIDENCE. MASTER MATH. ACHIEVE SUCCESS!



This **Grade 3 Math Practice Tests** book is the perfect companion for students who want to strengthen their math skills and excel in school. With **6** full-length practice tests designed to reflect real test formats, students get the practice they need to understand key concepts, build problem-solving skills, and tackle any challenge with confidence.

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- ✓ Test Preparation

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SUCCEED TOMORROW!**

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### Achieve Success

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- ✓ Graphing & Data Analysis
- ✓ Number Patterns
- ✓ Word Problems
- ✓ Ratio & Proportion
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- ✓ And More!



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Aligns with Grade 3 Learning Standards



Builds Critical Thinking & Problem-Solving