

# 6 Nebraska NSCAS Growth

## GRADE 4 MATH PRACTICE TESTS

Standards-Aligned Review with  
Mixed Practice and Answer Key



**MASTER KEY MATH CONCEPTS**  
**BUILD CONFIDENCE FOR TEST DAY**

**INCLUDES COMPREHENSIVE ANSWER KEY**  
**ALIGNED STATE STANDARDS**

# 6 Nebraska NSCAS Growth Grade 4 Math Practice Tests

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



Six complete 30-question Grade 4 practice rounds for NSCAS Growth, built around prairie winds, field rows, and steady fact fluency, with answer keys and clear explanations for every item.

Jay Daie and Reza Nazari



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# Welcome, Nebraska Math Explorer!

Six steady rounds on the Cornhusker State math route

This book gives you six full Grade 4 practice tests for NSCAS Growth. Each round uses prairie winds, field rows, and steady fact fluency to keep practice memorable while you read carefully, choose a strategy, show work, and check the answer.

## Nebraska 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 Nebraska NSCAS Growth 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 Cornhusker 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?

Six tests, 180 questions, and a full NSCAS Growth 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 4–6	Stamina rounds for mixed review, neat work, and flexible strategies.
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.

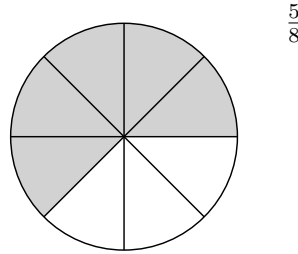


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- 1) On a pie chart divided into 8 equal slices, how many slices represent  $\frac{5}{8}$  of the pie?



- A. 2 slices
- B. 3 slices
- C. 5 slices
- D. 8 slices
- 2) A field is 80 meters long. A farmer walks the length of the field 6 times. What is the total distance walked?

- 3) An angle measures  $143^\circ$ . It is divided into two parts by a ray. One part measures  $68^\circ$ . What is the measure of the other part?



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4) Which fraction is equivalent to  $\frac{2}{3}$ ?

A.  $\frac{3}{4}$

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

C.  $\frac{6}{8}$

D.  $\frac{4}{6}$

5) Noah buys 8 boxes of cookies. Each box has 22 cookies. How many cookies does Noah buy?

A. 154

B. 200

C. 160

D. 176

6) An angle measures 145 degrees. How many one-degree angles make up this angle?

A. 72.5 one-degree angles

B. 145 one-degree angles

C. 290 one-degree angles

D. 14.5 one-degree angles

7) A bookstore has two registers. Register A has \$0.96 in coins. Register B has \$0.69 in coins. Which register has more money?

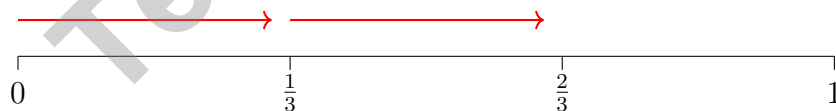
A. Register A (\$0.96)

B. Register B (\$0.69)

C. Both registers have the same amount

D. Register B has more

8) A number line shows jumps of  $\frac{1}{3}$ . Which number of jumps gets us to  $\frac{2}{3}$ ?



A. 1 jump

B. 2 jumps

C. 3 jumps

D. 6 jumps



9) A recipe calls for  $\frac{3}{5}$  cup of milk. If you double the recipe, how much milk do you need?

- A.  $\frac{3}{10}$  cup                       C.  $\frac{5}{6}$  cup  
 B.  $\frac{6}{5}$  cups (or  $1\frac{1}{5}$  cups)       D.  $\frac{2}{5}$  cup

10) What is the sixth multiple of 4?

11) Which diagram shows two lines that will eventually intersect?



- A. Diagram A                       C. Diagram C  
 B. Diagram B                       D. Diagram D

12) A school has 48 third-graders. This is 4 times as many as the number of second-graders. How many second-graders are there?

- A. 192                                   C. 44  
 B. 52                                   D. 12

13) A sack of apples weighs 32 pounds. How many ounces is this?

- A. 128                                   C. 512  
 B. 256                                   D. 1,024



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1) If the pattern “subtract 6” starts at 80, what is the 4th term?

A. 56

C. 68

B. 74

D. 62

2) Two rays form an angle with a measure of  $80^\circ$ . If one part of the angle is  $32^\circ$ , what is the measure of the other part?

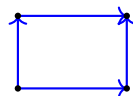
A.  $48^\circ$

C.  $112^\circ$

B.  $50^\circ$

D.  $35^\circ$

3) Look at the two shapes shown. Which one is a trapezoid?



Shape 1



Shape 2

A. Shape 1

C. Both shapes

B. Shape 2

D. Neither shape

4) A pizza is cut into 12 equal slices. Mia eats 7 slices. What fraction of the pizza did Mia eat?

A.  $\frac{7}{12}$

C.  $\frac{5}{12}$

B.  $\frac{12}{7}$

D.  $\frac{7}{7}$

5) What is  $7 \times \frac{1}{10}$ ?

A.  $\frac{7}{10}$

C.  $\frac{1}{70}$

B.  $\frac{10}{7}$

D.  $\frac{7}{100}$



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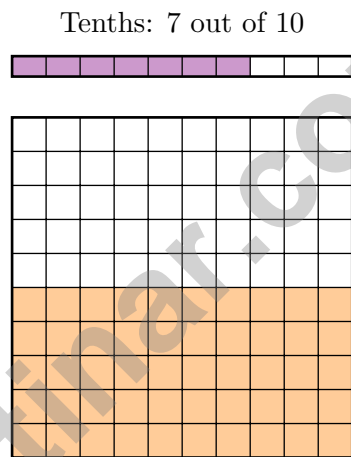
6) Which is a prime number between 20 and 30?

- A. 21                       C. 24  
 B. 22                       D. 29

7) What is  $8\frac{3}{4} - 5\frac{1}{4}$ ?

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

8) Compare using a tenths-hundredths model. Which is true?



Hundredths: 50 out of 100

- A.  $\frac{7}{10} > \frac{50}{100}$                        C.  $\frac{7}{10} = \frac{50}{100}$   
 B.  $\frac{7}{10} < \frac{50}{100}$                        D. Cannot be compared

9) Noah ate  $\frac{5}{8}$  of a pizza. Which sentence shows one way to decompose what he ate?

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

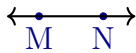


1) Isha ran 0.86 miles. Patel ran 0.68 miles. Who ran farther?

- A. Isha (0.86 miles)                       C. They ran the same distance  
 B. Patel (0.68 miles)                       D. Patel ran much farther

2) Which diagram shows line segment  $MN$ ?

A.



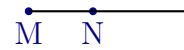
B.



C.



D.



- A. Diagram A                                       C. Diagram C  
 B. Diagram B                                       D. Diagram D

3) Carter runs  $\frac{3}{8}$  mile each morning. If he runs for 3 mornings, how far does he run in total?

- A.  $\frac{3}{24}$  miles                                       C.  $\frac{6}{8}$  miles (or  $\frac{3}{4}$  miles)  
 B.  $\frac{9}{8}$  miles (or  $1\frac{1}{8}$  miles)                       D.  $\frac{1}{8}$  mile

4) Jude had  $5\frac{4}{8}$  pounds of berries. He ate  $2\frac{5}{8}$  pounds. How many pounds of berries does he have left?

- A.  $2\frac{6}{8}$  pounds                                       C.  $2\frac{7}{8}$  pounds  
 B.  $3\frac{1}{8}$  pounds                                       D.  $3\frac{2}{8}$  pounds

5) Which describes a key difference between a square and a rhombus?

- A. A square has four sides; a rhombus does not.                       C. A rhombus has parallel sides; a square does not.  
 B. A square has right angles; a rhombus may not.                       D. A square has parallel sides; a rhombus does not.



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6) How many lines of symmetry does a non-square rectangle have?



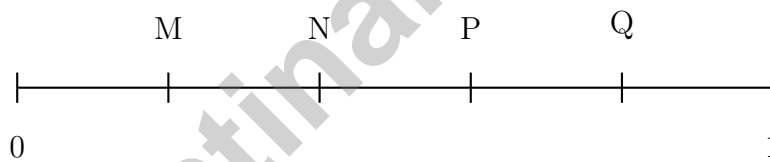
7) Look at the pattern: 30, 25, 20, 15, 10, ... What is the rule?

- A. Add 5                                       C. Subtract 10  
 B. Divide by 2                                 D. Subtract 5

8) A rope is 12 feet long. How many yards is this?

- A. 2     C. 4  
 B. 3     D. 6

9) Which letter shows the location of 0.8 on the number line?



- A. At M     C. At P  
 B. At N     D. At Q

10) A farmer has 7 chickens. She has 5 times as many ducks. How many more ducks than chickens?

- A. 12     C. 5  
 B. 35     D. 28



## Practice Test Answer Keys

**How to use this section with a Grade 4 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.** (4.A.1) The circle is divided into 8 equal slices. The fraction  $\frac{5}{8}$  means 5 of those slices are shaded. So there are **5** slices.
- 2) **The correct answer is 480 m.** (4.G.2) The field is 80 meters long. The farmer walks it 6 times. Multiply:  $80 \times 6 = 480$  meters. The total distance is **480** meters.
- 3) **The correct answer is 75.** (4.G.2) The ray splits the angle into two parts. Subtract to find the missing part:  $143^\circ - 68^\circ = 75^\circ$ .
- 4) **Choice D is correct.** (4.N.1) To find an equivalent fraction, multiply both the numerator and denominator by the same number. Here, multiply by 2:  $\frac{2}{3} = \frac{2 \times 2}{3 \times 2} = \frac{4}{6}$ . Both pieces are twice as many, but they're the same size!
- 5) **Choice D is correct.** (4.N.1) Separate the place values:  $8 \times (20 + 2) = 160 + 16 = \mathbf{176}$  cookies.
- 6) **Choice B is correct.** (4.G.1) An angle that measures  $145^\circ$  is made of **145** one-degree angles.
- 7) **Choice A is correct.** (4.N.2) Compare the tenths place:  $9 > 6$ , so  $0.96 > 0.69$ . Register A has more money.
- 8) **Choice B is correct.** (4.N.3) Each jump moves us forward by  $\frac{1}{3}$ . To land on  $\frac{2}{3}$ , we need **2** jumps:  $\frac{1}{3} + \frac{1}{3} = \frac{2}{3}$ .
- 9) **Choice B is correct.** (4.A.1) Doubling a recipe means we multiply by 2. We get  $2 \times \frac{3}{5} = \frac{6}{5}$  cups of milk.
- 10) **The correct answer is 24.** (4.N.4) The  $n$ th multiple of 4 is just  $4 \times n$ . So the sixth multiple is  $4 \times 6 = \mathbf{24}$ . *Skip-count to verify:* 4, 8, 12, 16, 20, 24. ✓
- 11) **Choice D is correct.** (4.G.1) Parallel lines never meet, but non-parallel lines angle toward each other and will eventually crash together. Diagram D shows two lines leaning toward each other, so they'll meet someday.
- 12) **Choice D is correct.** (4.D.2) We know the bigger group (48) and the comparison (4 times). To find the smaller group, divide:  $48 \div 4 = 12$  second-graders.
- 13) **Choice C is correct.** (4.G.2) Since 1 pound = 16 ounces, multiply:  $32 \times 16 = 512$  ounces. The answer is **512** ounces.
- 14) **Choice A is correct.** (4.N.1) This word problem asks us to find how many are left, so we subtract.  $8,234 - 2,456 = \mathbf{5,778}$  stickers.
- 15) **The correct answer is A, E.** (4.N.4) Even numbers end in 0, 2, 4, 6, 8. Pattern A (2, 4, 6, 8, 10) is all even. Pattern E (4, 8, 12, 16, 20) is all even. Patterns B, C, D each have odd numbers. Correct pairs: A and E. ✓
- 16) **Choice D is correct.** (4.N.1) The digit 5 is in the thousands place. Its value is  $5 \times 1,000 = \mathbf{5,000}$ . ✓
- 17) **Choice C is correct.** (4.N.3) The top bar is completely full (1 whole). The bottom bar is filled  $\frac{3}{4}$  of the way. Together:  $1\frac{3}{4}$ . ✓
- 18) **Choice C is correct.** (4.N.1) The bars show the same shaded length, so  $\frac{3}{5} = \frac{6}{10}$  (equivalent). Since  $10 > 5$ , the second denominator is larger.
- 19) **Choice D is correct.** (4.N.1) We're rounding to the nearest thousand. Look at the hundreds digit: 5. Since  $5 \geq 5$ , we round UP! The thousands digit changes from 2 to 3, so the answer is **73,000**. ✓
- 20) **Choice A is correct.** (4.G.1) The letter S curves one way at the top and the opposite way at the bottom, like a snake. No fold line can make the two halves match. The answer is letter S.
- 21) **Choice D is correct.** (4.N.1) "2 times as many" is a multiplication clue. Noah's sister has 2 groups of 7 crayons:  $2 \times 7 = 14$  crayons.
- 22) **Choice D is correct.** (4.N.3) Add the wholes:  $1 + 0 + 1 = 2$ . Add the fractions:  $\frac{5}{8} + \frac{3}{8} = \frac{8}{8} = 1$ . Combine:  $2 + 1 = \mathbf{3}$ .
- 23) **Choice D is correct.** (4.N.1) The first three digits (hundred-thousands, ten-thousands, thousands) match. Hundreds:  $3 < 4$ , so Chart 1 is less ✓
- 24) **Choice A is correct.** (4.N.3) The runner completes  $\frac{5}{6}$  of the race, then adds  $\frac{1}{6}$  more. That's  $5 + 1 = 6$  sixths, or exactly **1** whole race.
- 25) **Choice C is correct.** (4.G.3) The grid shows 6 units by 2 units. Area =  $6 \times 2 = 12$  sq units.
- 26) **Choice C is correct.** (4.A.1) Noah skips in eighths:  $\frac{1}{8}, \frac{2}{8}, \frac{3}{8}$ . After 3 skips, he's at  $\frac{3}{8}$ .
- 27) **Choice C is correct.** (4.G.1) A trapezoid is defined by having exactly one pair of parallel sides. This distinguishes it from parallelograms, which have two pairs of parallel sides. The answer is C.
- 28) **Choice D is correct.** (4.A.1) Think:  $72 \div 8 = 9$ , bring down the 8 to get  $8 \div 8 = 1$ . So each box holds **91** stickers.



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## Hi, Strong Climber!

◇ You climbed all 6 tests. One step at a time. That takes patience and grit. The view from the top is amazing because you earned it! ◇

★ **Mountain guides say:** steady steps win the climb. You climbed steady. You stayed strong. ★

### Climber's Skills

- **Strong Steps:** You move forward, problem by problem.
- **Steady Pace:** You don't rush. You don't stop.
- **Map Skills:** You read questions carefully.
- **Top of the Mountain:** You can finish a long test.

**Guide's tip:** on test day, take small breaths between problems. One foot, then the next. You'll reach the top!

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 Trail Guide

# PRACTICE TODAY, SUCCEED TOMORROW!

This **Grade 4 Math Practice Tests** book is the perfect tool to help students strengthen their math skills, master important concepts, and build confidence for test success.

With 6 full-length practice tests, a variety of question types, and detailed answer explanations, students get the review and practice they need to improve accuracy, develop critical thinking, and achieve their best.

Ideal for classroom use, homework, test preparation, and extra practice at home.

## PERFECT FOR:

- ✓ Classroom Practice
- ✓ Homework & Review
- ✓ Independent Learning
- ✓ Test Preparation
- ✓ Skill Reinforcement
- ✓ Confidence Building

★ **CONFIDENCE IN MATH.  
SUCCESS FOR LIFE.**

## WHAT STUDENTS WILL GAIN



### Stronger Math Skills

Build a solid foundation through targeted practice and review.



### Better Problem Solving

Develop logical thinking and effective solution strategies.



### Test Confidence

Become familiar with test-style questions and formats.



### Track Progress

Measure growth across multiple practice tests.



### Master Key Concepts

Reinforce important skills aligned with grade-level standards.



### Prepare for Success

Build the confidence needed to do your best on test day.

## TOPICS COVERED

- ✓ Place Value & Number Sense
- ✓ Addition & Subtraction
- ✓ Multiplication & Division
- ✓ Fractions & Equivalent Fractions
- ✓ Decimals
- ✓ Geometry & Measurement
- ✓ Perimeter & Area
- ✓ Data, Graphs & Line Plots
- ✓ Patterns & Algebraic Thinking
- ✓ And More!



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