

# 4

# Nebraska

# NSCAS Growth

## GRADE 4

# MATH

## PRACTICE TESTS



5 FULL-LENGTH  
PRACTICE TESTS



Standards-Aligned Review with  
Mixed Practice and Answer Key



STANDARDS-ALIGNED  
REVIEW



MIXED PRACTICE  
QUESTIONS



ANSWER KEY  
INCLUDED



$$4 \times 7 = 28$$

$$36 \div 9 = 4$$



# 4 Nebraska NSCAS Growth Grade 4 Math Practice Tests

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



Four focused 30-question missions for Grade 4 math: number facts, fractions, measurement, data, area, shapes, answer keys, and clear explanations for every item.

**Jay Daie and Reza Nazari**



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# Welcome, Nebraska Math Explorer!

Four steady rounds on the Cornhusker State math route

This book gives you four 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?

Four tests, 120 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 2–4	Skill-building rounds with fractions, measurement, area, data, and two-step problems.
Tests 2–4	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.



Scan me!  
For more practice  
& answers

# Table of Contents

★ Practice Test 1	_____	13
★ Practice Test 2	_____	24
★ Practice Test 3	_____	36
★ Practice Test 4	_____	48
Practice Test Answer Keys	_____	59
Practice Test Answers and Explanations	_____	62

1) Which option shows TWO different decompositions that both equal  $\frac{10}{12}$ ?

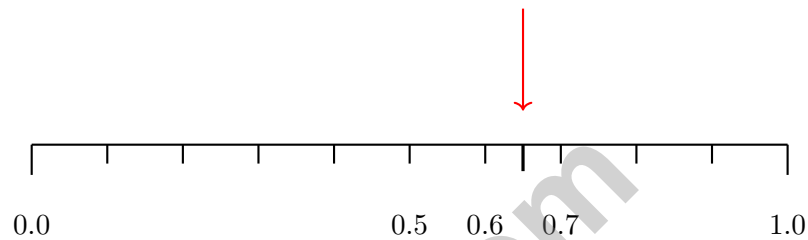
A.  $\frac{6}{12} + \frac{4}{12}$  and  $\frac{5}{12} + \frac{5}{12}$

C.  $\frac{4}{12} + \frac{4}{12} + \frac{2}{12}$  and  $\frac{6}{12} + \frac{5}{12}$

B.  $\frac{7}{12} + \frac{3}{12}$  and  $\frac{8}{12} + \frac{3}{12}$

D.  $\frac{9}{12} + \frac{2}{12}$  and  $\frac{3}{12} + \frac{6}{12}$

2) Look at the number line below. What decimal is shown by the arrow?



A. 0.6

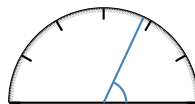
C. 0.56

B. 0.65

D. 0.68

3) Find  $\frac{3}{4} + \frac{2}{4}$  as a mixed number.

4)



What is the best estimate of this angle?

A. 60 degrees

C. 75 degrees

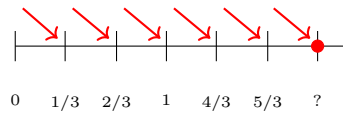
B. 70 degrees

D. 65 degrees



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- 5) A number line shows jumps of  $\frac{1}{3}$  starting at 0. If you make 6 jumps, where do you land?



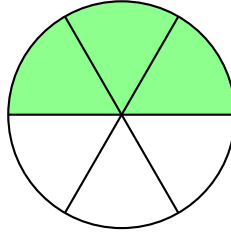
- A.  $\frac{1}{3}$ 
 C. 2  
 B. 1
  D. 3
- 6) A grain of rice weighs  $\frac{1}{12}$  ounce. How much do 10 grains weigh?
- A.  $\frac{1}{120}$  ounce
  C.  $\frac{12}{10}$  ounces  
 B.  $\frac{10}{12}$  ounce
  D.  $\frac{10}{120}$  ounce
- 7) Diego simplified  $\frac{4}{8}$  and wrote  $\frac{2}{4}$ . His teacher said he is correct because the fractions are equivalent. Is the teacher right?
- A. Yes, the teacher is right;  $\frac{2}{4}$  is in simplest form
  C. Yes, and both simplify further to  $\frac{1}{2}$   
 B. No, the teacher is wrong;  $\frac{4}{8} \neq \frac{2}{4}$ 
 D. No, Diego should have written  $\frac{1}{4}$
- 8) Here is a line plot with fourths:



Which value has exactly 2 more X marks than  $\frac{1}{4}$ ?

- A.  $\frac{2}{4}$ 
 C.  $\frac{7}{4}$   
 B.  $\frac{5}{4}$ 
 D. 2

- 9) Look at the circle divided into equal parts. Which expression shows the shaded amount as a sum of unit fractions?



Pie divided into 6 equal slices

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

- 10) Simplify  $\frac{2}{8}$ .

- 11) Compare these two numbers using a place-value chart:

	Thousands	Hundreds	Tens	Ones
Number 1	3	4	2	5
Number 2	3	4	5	0

Which is correct?

- A.  $3,450 < 3,425$        C.  $3,425 = 3,450$   
 B.  $3,425 > 3,450$        D.  $3,425 < 3,450$



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6) Ming has 5 bags of marbles. Each bag has  $\frac{3}{10}$  pound of marbles. What is the total weight?

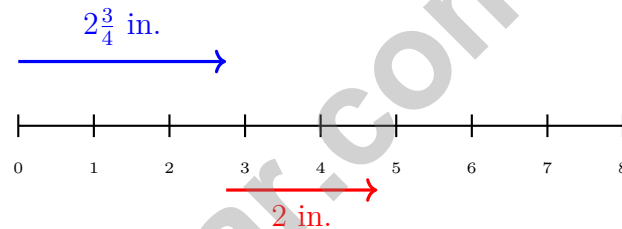
A.  $\frac{5}{30}$  pounds

C.  $\frac{3}{50}$  pounds

B.  $\frac{15}{10}$  or  $1\frac{1}{2}$  pounds

D.  $\frac{8}{10}$  pounds

7) How many degrees less than  $90^\circ$  is  $45^\circ$ ?



8)

A board has two sections. The blue section is  $2\frac{3}{4}$  inches and the red section is 2 inches. What is the total length?

A.  $4\frac{1}{4}$  inches

C.  $4\frac{3}{4}$  inches

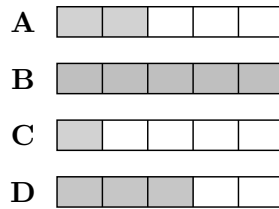
B.  $4\frac{2}{4}$  inches

D. 5 inches



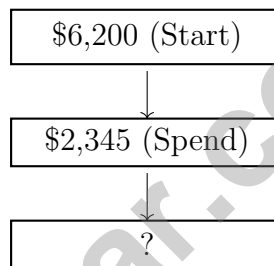
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1) Which fraction bar correctly shows  $2 \times \frac{1}{5}$ ?



- A. Picture A  
 B. Picture B

- C. Picture C  
 D. Picture D



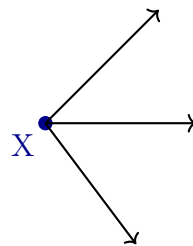
2)

Marcus has \$6,200. He spends \$2,345. How much money does he have left?

- A. \$3,855  
 B. \$3,945

- C. \$4,055  
 D. \$3,955

3) In this diagram, how many rays start at point X?



- A. 1 ray  
 B. 2 rays

- C. 3 rays  
 D. 4 rays



4) How many rays form an angle?

5) Which statement about a square and a regular hexagon is true?

- A. Both have 4 lines of symmetry
- B. Both have 6 lines of symmetry
- C. They have different numbers of lines of symmetry
- D. A hexagon has fewer lines than a square

6) What symbol should replace the blank?  $0.32 \underline{\hspace{1cm}} 0.23$

- A.  $>$
- B.  $<$
- C.  $=$
- D. Cannot tell

7) Which pattern does NOT show only multiples of 5?

- A. 5, 10, 15, 20, 25
- B. 5, 15, 25, 35, 45
- C. 10, 20, 30, 40, 50
- D. 7, 14, 21, 28, 35

8) Carlos uses 7 out of 10 equal pieces of string. What fraction of the string did he use?



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& answers

## 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

- Choice A is correct.** (4.N.3) Check both decompositions in choice A by adding numerators. First way:  $6 + 4 = 10$ , so  $\frac{6}{12} + \frac{4}{12} = \frac{10}{12}$  ✓. Second way:  $5 + 5 = 10$ , so  $\frac{5}{12} + \frac{5}{12} = \frac{10}{12}$  ✓. Both ways break  $\frac{10}{12}$  apart differently but equal the same total. *Why other options fail:* B's second pair sums to  $11/12$ ; C's second sum is  $11/12$ ; D's second sum is only  $9/12$ .
- Choice B is correct.** (4.N.2) The arrow points exactly halfway between 0.6 and 0.7. The midpoint is 0.65.
- The correct answer is  $1\frac{1}{4}$ .** (4.N.3) Add fourths:  $3 + 2 = 5$  fourths. That's  $\frac{5}{4}$ , which is more than one whole, so it equals  $1\frac{1}{4}$ .
- Choice D is correct.** (4.G.2) The ray falls between the  $60^\circ$  and  $70^\circ$  marks, right in the middle of that range. At  $65^\circ$ , this acute angle is a good estimate for the angle shown. The answer is **65** degrees.
- Choice C is correct.** (4.A.1) Each jump is  $\frac{1}{3}$ . Making 6 jumps is the same as  $6 \times \frac{1}{3} = \frac{6}{3}$ . Since 3 thirds make one whole,  $\frac{6}{3}$  equals **2** wholes.
- Choice B is correct.** (4.A.1) Ten grains of rice, each weighing  $\frac{1}{12}$  ounce, weigh  $10 \times \frac{1}{12} = \frac{10}{12}$ , which simplifies to  $\frac{5}{6}$  ounce.
- Choice C is correct.** (4.N.1) Diego is right that  $\frac{4}{8} = \frac{2}{4}$ —they're equivalent. But  $\frac{2}{4}$  isn't simplest form yet. Keep simplifying:  $\frac{2}{4} = \frac{1}{2}$ , which is the simplest!
- Choice B is correct.** (4.G.2) At  $\frac{1}{4}$  inch there is 1 X mark. A value with 2 more X marks would have 3 marks total.  $\frac{5}{4}$  inch has exactly 3 X marks.
- Choice A is correct.** (4.N.3) The pie is divided into 6 equal slices, and 3 are shaded. So  $\frac{3}{6}$  is shaded, which as unit fractions is  $\frac{1}{6} + \frac{1}{6} + \frac{1}{6}$ .
- The correct answer is  $\frac{1}{4}$ .** (4.N.1) Divide both numerator and denominator by their common factor 2:  $\frac{2}{8} = \frac{1}{4}$ .
- Choice D is correct.** (4.N.1) Thousands and hundreds match. Compare the tens place:  $2 < 5$ , so  $3,425 < 3,450$  ✓
- Choice C is correct.** (4.A.1) Step 1: Check each. Step 2:  $4 \times \frac{4}{6}$  should give  $\frac{4}{6}$ , not  $\frac{4}{12}$ . That's the wrong one!
- Choice B is correct.** (4.G.2) The tank needs 3 liters per day for 5 days. Multiply:  $3 \times 5 = 15$  liters. He needs **15** liters of water.
- The correct answer is A, C.** (4.G.1) A square balances in four ways: two lines go through opposite corners (diagonals), and two go through the midpoints of opposite sides. Choice A is correct (4 lines). Choice C is correct (lines through side midpoints exist). B is wrong because  $4 \neq 2$ . D is wrong because hexagons have 6, not more than 4. E is wrong because both diagonal lines are lines of symmetry!
- Choice C is correct.** (4.N.4) Factor pairs of 32:  $1 \times 32$ ,  $2 \times 16$ ,  $4 \times 8$ . That gives factors 1, 2, 4, 8, 16, 32—count them up: **6** factors.
- Choice B is correct.** (4.N.2) Seven tenths equals:  $\frac{7}{10} = \frac{70}{100} = 0.70 = 0.7$ .
- Choice D is correct.** (4.N.1) Multiply by tens and ones:  $9 \times (30 + 4) = 270 + 36 = \mathbf{306}$  points.
- Choice A is correct.** (4.N.1) We're rounding to the nearest ten. Look at the ones digit: 5. Since  $5 \geq 5$ , we round UP! The tens digit goes from 0 to 1, giving us **6,010**. ✓
- Choice C is correct.** (4.G.3) Multiply length by width:  $6 \times 4 = 24$  sq cm.
- Choice C is correct.** (4.G.2) Check each option. A: 2 km = 2,000 m, not 200 m. B: 4 m = 400 cm, not 4,000 cm. C: 5 cm =  $5 \times 10 = 50$  mm. Correct! D: 6 m = 6,000 mm, not 600 mm. The answer is **C**.
- Choice B is correct.** (4.G.1) The diagram shows a  $110^\circ$  angle, meaning it contains **110** one-degree angles.
- Choice A is correct.** (4.G.1) The shaded region spans from  $45^\circ$  to  $225^\circ$ , which is  $180^\circ$  or  $\frac{1}{2}$  of the full circle.
- The correct answer is 90.** (4.G.1) A straight angle is  $180^\circ$  and a right angle is  $90^\circ$ . Since  $180 - 90 = 90$ , the straight angle is **90**° larger.
- Choice A is correct.** (4.D.2) The equation  $15 = 3 \times 5$  means 3 groups of 5. Choice A matches because Ben has 3 times as many as Ana's 5 pencils—exactly 3 groups of 5. The other choices use addition or subtraction.
- Choice B is correct.** (4.G.2) Split the angle equally among all parts:  $120^\circ \div 3 = \mathbf{40^\circ}$ .
- Choice D is correct.** (4.N.1) From the model, Keisha used 3 tens blocks and 2 hundreds blocks. The difference is  $3 - 2 = \mathbf{1}$ . ✓



## Hi, Math Champion!

◇ You trained hard! 4 full practice tests is real practice. Your math game is way better now than when you started. ◇

★ **Coach's truth:** kids who practice get better. You practiced. You got better. That's how it works!  
★

### Your Game Stats

- **Energy:** HIGH! You can finish a long test.
- **Smart Plays:** You know lots of strategies.
- **Calm Head:** You stay cool with hard problems.
- **Game-Day Ready:** You feel strong and prepared.

**Coach's tip:** the night before the test, get good sleep. Eat a good breakfast. Bring a sharp pencil. Trust your training!

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 Coach

# PRACTICE TODAY, SUCCEED TOMORROW!

This **Grade 4 Math Practice Tests** book is the perfect tool to help students build strong math skills, master key concepts, and gain the confidence they need to excel.

With 4 full-length practice tests, a variety of question types, and detailed answer explanations, students get the review and practice they need to strengthen problem-solving skills and achieve their best.

Perfect 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 TODAY.  
SUCCESS TOMORROW!**

## 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.



### 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 & Decimals
- ✓ Geometry & Measurement
- ✓ Data, Graphs & Line Plots
- ✓ Perimeter & Area
- ✓ Patterns & Algebraic Thinking
- ✓ Word Problems
- ✓ And More!



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