

# 8

# Nebraska

## NSCAS Growth

# GRADE 4

# PRACTICE TESTS



1

$2 \times 3 = 6$

3

5

$2 \times 3 = 6$

2

4



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

**COMPREHENSIVE  
TEST PREP**

Includes Solutions

# 8 Nebraska NSCAS Growth Grade 4 Math Practice Tests

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



Eight 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!

Eight steady rounds on the Cornhusker State math route

This book gives you eight 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?

Eight tests, 240 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 6–8	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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For more practice  
& answers

# Table of Contents

★ Practice Test 1	_____	13
★ Practice Test 2	_____	26
★ Practice Test 3	_____	36
★ Practice Test 4	_____	48
★ Practice Test 5	_____	59
★ Practice Test 6	_____	70
★ Practice Test 7	_____	82
★ Practice Test 8	_____	92
<b>Practice Test Answer Keys</b>	_____	<b>103</b>
<b>Practice Test Answers and Explanations</b>	_____	<b>104</b>

1) Complete the factor pair table for 20:

First Factor	Second Factor
1	20
2	?

What goes in the ?

A. 8

C. 12

B. 15

D. 10

2) A ribbon is  $4\frac{3}{6}$  feet long. If  $2\frac{2}{6}$  feet are cut off, how long is the remaining ribbon?

3) How many rays form the sides of an angle?

A. 1 ray

C. 3 rays

B. 2 rays

D. 4 rays

4) Add:  $5,234 + 2,145 = ?$

A. 7,279

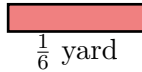
C. 7,479

B. 8,379

D. 7,379



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5)

The ribbon above is  $\frac{1}{6}$  yard long. If Zara lines up 4 of these ribbons end-to-end, how long is the line?

- A.  $\frac{4}{6}$  yard (or  $\frac{2}{3}$  yard)       C.  $\frac{1}{24}$  yard  
 B.  $\frac{4}{24}$  yard       D.  $\frac{6}{4}$  yards

6) A line plot with eighths shows: 1 X mark at  $\frac{1}{8}$ , 2 X marks at  $\frac{3}{8}$ , 3 X marks at  $\frac{5}{8}$ . What is the total number of X marks?

- A. 4       C. 6  
 B. 5       D. 7

7) Which is a multiplicative comparison?

- A. 10 is 2 times as many as 5       C. 10 is 5 less than 15  
 B. 10 is 5 more than 5       D. 10 equals 5 plus 5

8) Ava wants to convert 5 kilometers to meters. What is the correct answer?

- A. 500       C. 50,000  
 B. 5,000       D. 500,000

9) Which is true?

- A.  $\frac{8}{10} > \frac{90}{100}$        C.  $\frac{8}{10} < \frac{50}{100}$   
 B.  $\frac{8}{10} = \frac{80}{100}$        D.  $\frac{8}{10} = \frac{8}{100}$

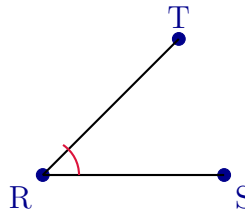


- 10) The fraction bar below is divided into equal parts. How many parts are shaded, and what fraction do they represent?



- A. 1 part;  $\frac{1}{5}$                        C. 4 parts;  $\frac{4}{5}$   
 B. 2 parts;  $\frac{2}{5}$                        D. 5 parts;  $\frac{5}{5}$
- 11) A protractor shows that two adjacent angles measure  $63^\circ$  and  $117^\circ$ . What is their sum?
- A.  $54^\circ$                        C.  $180^\circ$   
 B.  $117^\circ$                        D.  $200^\circ$
- 12) A toy store has 100 action figures. A craft store has 2 times as many action figures. How many action figures does the craft store have?
- A. 102                       C. 300  
 B. 150                       D. 200

- 13) Look at this diagram:

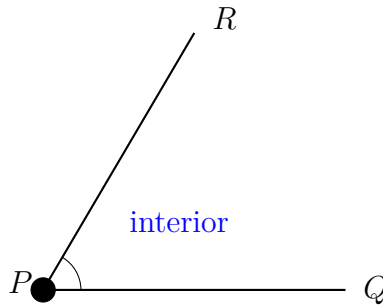


Using three points, how would you name the angle shown by the red arc?

- A. Angle  $S$                        C. Angle  $ST$   
 B. Angle  $TRS$                        D. Angle  $R$



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1)

Which part of the angle is labeled blue?

- |  |  |
|--|--|
| <input type="checkbox"/> A. The vertex | <input type="checkbox"/> C. The interior |
| <input type="checkbox"/> B. The sides  | <input type="checkbox"/> D. The exterior |

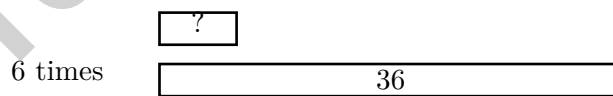
2) What is  $2 \times \frac{2}{5}$ ?

- |  |   |
|--|---|
| <input type="checkbox"/> A. $\frac{2}{10}$ | <input type="checkbox"/> C. $\frac{4}{5}$ |
| <input type="checkbox"/> B. $\frac{4}{10}$ | <input type="checkbox"/> D. $\frac{2}{7}$ |

3) Which statement is true when rounding to the nearest hundred?

- |   |   |
|---|---|
| <input type="checkbox"/> A. 6,293 rounds to 6,300 | <input type="checkbox"/> C. 6,249 rounds to 6,250 |
| <input type="checkbox"/> B. 6,234 rounds to 6,300 | <input type="checkbox"/> D. 6,251 rounds to 6,200 |

4)



A box has 36 crayons. That is 6 times as many crayons as a smaller box has. How many crayons are in the smaller box?

- |                                |                                |
|--------------------------------|--------------------------------|
| <input type="checkbox"/> A. 42 | <input type="checkbox"/> C. 30 |
| <input type="checkbox"/> B. 12 | <input type="checkbox"/> D. 6  |



- 5) A baker needs  $\frac{7}{12}$  cup of sugar and has  $\frac{3}{12}$ . How much more is needed?

- 6) A function rule is “divide by 2.” Complete the table:

Input	4	8	12	20
Output	2	4	6	?

- A. 8
- B. 15
- C. 12
- D. 10
- 7) A juice stand makes 8 pitchers. Each pitcher has 9 cups. They sell 36 cups. How many cups are left?
- A. 28
- B. 72
- C. 44
- D. 36
- 8) Zoe collects 9 stickers. Kyle collects 2 times as many stickers. How many stickers does Kyle collect?
- A. 7
- B. 11
- C. 9
- D. 18
- 9) Which number sentence is false?
- A.  $\frac{2}{8} = \frac{1}{4}$
- B.  $\frac{6}{10} = \frac{3}{5}$
- C.  $\frac{3}{7} = \frac{6}{14}$
- D.  $\frac{2}{3} = \frac{7}{12}$



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1) There are 84 pencils in a box. 12 pencils are broken. The remaining good pencils are shared equally among 6 friends. How many pencils does each friend get?

A. 14

C. 16

B. 10

D. 12 pencils

2) A number is written as 6 thousands, 7 hundreds, 3 tens, and 1 one. What is the value of the hundreds?

A. 7

C. 700

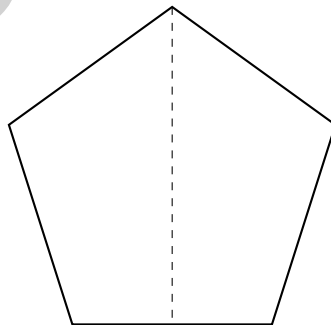
B. 70

D. 7,000

3) A rectangular swimming pool is 25 feet long and 15 feet wide. How many feet of rope are needed to go around the entire edge of the pool?



4) A regular pentagon has 5 sides. How many lines of symmetry does it have?



A. 0

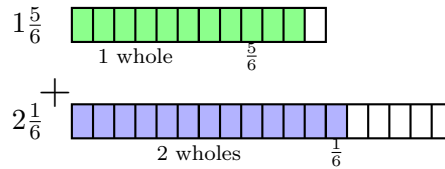
C. 3

B. 2

D. 5



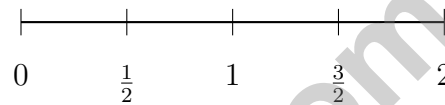
5)



What is the sum shown by the bar diagrams?

- A.  $3\frac{4}{6}$ 
 C.  $3\frac{3}{6}$   
 B.  $3\frac{5}{6}$ 
 D. 4

6) Maya drew a number line with hops of  $\frac{1}{2}$ . How many hops to go from 0 to  $\frac{3}{2}$ ?



- A. 1 hop
  C. 3 hops  
 B. 2 hops
  D. 4 hops

7) What is  $\frac{9}{12} - \frac{4}{12}$ ?

- A.  $\frac{5}{12}$ 
 C.  $\frac{5}{24}$   
 B.  $\frac{13}{12}$ 
 D.  $\frac{4}{12}$

8) A recipe needs 3 cups of milk. How many tablespoons is this? (Hint: 1 cup = 16 tablespoons)

- A. 16
  C. 32  
 B. 24
  D. 48



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## 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 D is correct.** (4.N.4) We need a number that pairs with 2 to make 20. Ask yourself:  $2 \times ? = 20$ . Since  $2 \times 10 = 20$ , the missing factor is **10**.
- The correct answer is  $2\frac{1}{6}$ .** (4.N.3) The ribbon is cut, so subtract the cut part from the original length:  $4\frac{3}{6} - 2\frac{2}{6} = 2\frac{1}{6}$  feet of ribbon remain.
- Choice B is correct.** (4.G.1) An angle always has exactly **2** rays that form its sides.
- Choice D is correct.** (4.N.1) Add from right to left: ones  $4 + 5 = 9$ , tens  $3 + 4 = 7$ , hundreds  $2 + 1 = 3$ , thousands  $5 + 2 = 7$ . The sum is **7,379**.
- Choice A is correct.** (4.A.1) Zara lines up 4 ribbons, each  $\frac{1}{6}$  yard long. We multiply:  $4 \times \frac{1}{6} = \frac{4}{6}$ , which simplifies to  $\frac{2}{3}$  yard.
- Choice C is correct.** (4.G.2) Add up all the X marks:  $1 + 2 + 3 = 6$  X marks in total.
- Choice A is correct.** (4.D.2) Look for the magic words “times as many”—those are the multiplicative clue. Only choice A uses them. The others say “more,” “less,” or “plus,” which describe addition or subtraction.
- Choice B is correct.** (4.G.2) Since 1 kilometer = 1,000 meters, multiply:  $5 \times 1,000 = 5,000$  m. The answer is **5,000** m.
- Choice B is correct.** (4.N.2) We can convert  $\frac{8}{10}$  to a fraction with denominator 100 by multiplying both parts by 10:  $\frac{8}{10} = \frac{80}{100}$ .
- Choice C is correct.** (4.A.1) Count the shaded parts: 4 parts are shaded. Count the equal parts: 5 total parts. So the shaded fraction is  $4 \times \frac{1}{5} = \frac{4}{5}$ .
- Choice C is correct.** (4.G.2) These adjacent angles are supplementary. Add them:  $63^\circ + 117^\circ = 180^\circ$ .
- Choice D is correct.** (4.N.1) “2 times as many” means multiply by 2:  $2 \times 100 = 200$  action figures.
- Choice B is correct.** (4.G.1) When you name an angle with three letters, always put the vertex (the corner point) in the middle. Here *R* is where the two rays meet, so it goes in the middle: angle *TRS*.
- Choice A is correct.** (4.N.3) One whole is  $\frac{4}{4}$ , and  $\frac{6}{4}$  has 6 fourths total. Subtract:  $6 - 4 = 2$ , so the mixed number is  $1\frac{2}{4} \checkmark$ .
- The correct answer is 18 oz.** (4.G.2) The baker has 50 ounces and uses 32 ounces. Subtract:  $50 - 32 = 18$  ounces. There are **18** ounces left.
- Choice A is correct.** (4.N.1) Split both:  $24 = 20 + 4$  and  $19 = 10 + 9$ . This creates four areas:  $20 \times 10 = 200$ ,  $4 \times 10 = 40$ ,  $20 \times 9 = 180$ ,  $4 \times 9 = 36$ . Choice A is correct.
- The correct answer is A, C.** (4.N.3) Two steps lead to two true statements! Step 1:  $240 \div 5 = 48$  pencils per grade—that matches choice A. Step 2:  $48 - 15 = 33$  left after practice—that matches choice C. Choice B (50) and D (35) come from wrong arithmetic, and E confuses “240 distributed” with “300 total.”
- Choice D is correct.** (4.N.1) From the chart: ten-thousands and thousands give “fifty-three thousand”; hundreds and tens give “seven hundred ninety”  $\checkmark$
- Choice B is correct.** (4.G.2) To measure an angle correctly, you must place one ray—called the baseline ray—right along the straight edge of the protractor, lined up with the  $0^\circ$  mark. This is your starting point for reading the other ray. The answer is along the straight edge at the 0-degree mark.
- Choice D is correct.** (4.N.2) The tenths place decides it: 9 is the largest. Among the two with tenths = 9, compare hundredths:  $9 > 1$ , so  $0.99 > 0.91$ .
- Choice A is correct.** (4.G.1) The arrows clearly mark exactly one pair of parallel sides, which is the defining characteristic of a trapezoid. The other two sides are not parallel. The answer is **A**.
- Choice A is correct.** (4.G.1) The diagram shows the angle from  $0^\circ$  to  $60^\circ$ , giving us **60** one-degree angles.
- Choice C is correct.** (4.G.1) Squares have 4 lines and regular hexagons have 6. Pentagons with 5 sides have 5 symmetry lines, and octagons with 8 sides have 8 lines. Circles win with infinitely many! The answer is A regular polygon with 5 or more sides or a circle.
- Choice B is correct.** (4.N.3) Add the wholes:  $2 + 1 + 1 = 4$ . Add the fractions:  $\frac{5}{10} + \frac{3}{10} + \frac{1}{10} = \frac{9}{10}$ . The sum is  $4\frac{9}{10}$ .
- Choice D is correct.** (4.N.4) Subtract 10 each time: 100, 90, 80, 70, 60, **50**. The 6th term is **50**.



## Hi, Math Athlete!

◇ 8 practice tests done! That's serious training. Your math muscles are strong. You are in great shape for the big test. ◇

★ **Trainers know:** muscle memory is real. The more you practice, the more your brain knows what to do without thinking. You built that muscle memory! ★

### Athlete Performance

- **Endurance:** TOP! You can finish a long test.
- **Strength:** STRONG! You handle hard problems.
- **Speed:** JUST RIGHT! You don't rush.
- **Recovery:** GOOD! You bounce back from tough questions.

**Trainer tip:** on test day, drink water, breathe deeply, and warm up with the easier questions first. Your training will carry you the rest of the way!

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 Trainer

# 8 PRACTICE TESTS. PREPARE. PRACTICE. SUCCEED!

This **Grade 4 Math Practice Tests** book is designed to help students build strong math skills, master essential concepts, and boost confidence for success in the classroom and beyond.

Featuring 8 full-length practice tests, a variety of question types, and detailed answer explanations, this book provides the practice and support students need to improve accuracy, strengthen problem-solving abilities, 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 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.



### Academic Success

Strengthen skills needed for future learning.

## TOPICS COVERED

- ✓ Place Value & Number Sense
- ✓ Multi-Digit Addition & Subtraction
- ✓ Multiplication & Division
- ✓ Fractions & Equivalent Fractions
- ✓ Geometry & Shapes
- ✓ Measurement & Data
- ✓ Perimeter & Area
- ✓ Word Problems
- ✓ Patterns & Algebraic Thinking
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- ✓ Mathematical Reasoning
- ✓ And More!



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Encourages Independent Learning



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