

3

Nebraska

NSCAS Growth

GRADE 4

MATH

PRACTICE TESTS

Standards-Aligned Review with
Mixed Practice and Answer Key



5 FULL-LENGTH
PRACTICE TESTS



STANDARDS-ALIGNED
REVIEW



MIXED PRACTICE
QUESTIONS



ANSWER KEY
INCLUDED

$$a^2 + b^2 = c^2$$

$$\frac{3}{4}$$



3 Nebraska NSCAS Growth Grade 4 Math Practice Tests

Standards-Aligned Practice for Stronger Math Skills and Test Readiness



Three 30-question trail tests packed with Grade 4 review, Nebraska NSCAS Growth strategy tips, answer keys, and step-by-step explanations that turn every miss into the next move.

Jay Daie and Reza Nazari



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Welcome, Nebraska Math Explorer!

Three steady rounds on the Cornhusker State math route

This book gives you three full Grade 3 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?

Three tests, 90 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 1–3	Skill-building rounds with fractions, measurement, area, data, and two-step problems.
Tests 1–3	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) The space outside an angle is called:

- A. the interior C. the vertex
 B. the exterior D. a side

2) A quadrilateral has two pairs of parallel sides and four right angles, but the sides are not all equal. What is it?

- A. Square C. Rhombus
 B. Rectangle D. Trapezoid

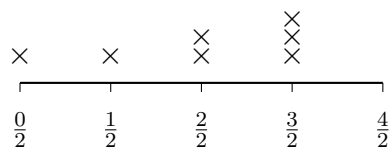
3) A garden is divided into 5 equal rows. Plants are in 3 rows. Write the fraction of the garden with plants as a sum of unit fractions.

- A. $\frac{3}{5}$ C. $\frac{2}{5}$
 B. $\frac{1}{3} + \frac{1}{3} + \frac{1}{3}$ D. $\frac{1}{5} + \frac{1}{5} + \frac{1}{5}$

4) Sam has 4 trading cards. Maya has 6 times as many trading cards as Sam. How many trading cards does Maya have?

- A. 10 C. 28
 B. 20 D. 24

5) Look at this line plot with halves:



What is the difference between the number of X marks at $\frac{3}{2}$ and at $\frac{1}{2}$?

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



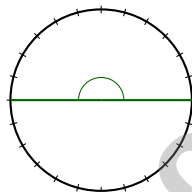
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6) Which fraction is NOT equal to $\frac{1}{2}$?

- A. $\frac{3}{6}$
 B. $\frac{4}{8}$

- C. $\frac{5}{10}$
 D. $\frac{2}{5}$

7) Write $\frac{50}{100}$ as a decimal.

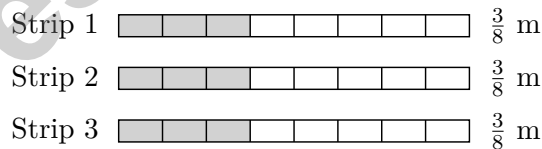


straight angle

8)

A straight angle is shown above. How many one-degree angles make a straight angle?

- A. 90 one-degree angles
 B. 180 one-degree angles
 C. 360 one-degree angles
 D. 270 one-degree angles



3 strips, each showing $\frac{3}{8}$ meter

9)

Each ribbon strip is $\frac{3}{8}$ meter. What is the total length of 3 strips?

- A. $\frac{9}{8}$ meters (or $1\frac{1}{8}$ meters)
 B. $\frac{3}{24}$ meter
 C. $\frac{9}{24}$ meter
 D. $\frac{3}{3}$ meter



1) A shape has the following attributes: four sides, four equal sides, and no right angles.
Which shape could it be?

A. Trapezoid

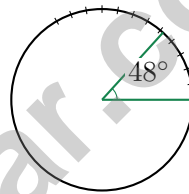
C. Rhombus

B. Rectangle

D. Triangle

2) Which is greater, $\frac{3}{5}$ or $\frac{1}{2}$?

3)



Diego drew an angle that turns through 48 one-degree angles. What is the measure of his angle?

A. 24°

C. 96°

B. 48°

D. 480°

4) Is 27 prime or composite?

A. Prime

C. Neither

B. Not defined

D. Composite



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5) How many jumps of $\frac{1}{6}$ are needed to reach $\frac{4}{6}$?

6) An ant model is 5 centimeters long. How many millimeters is this?

A. 5

C. 500

B. 50

D. 5,000

7) What is $5 \times \frac{1}{6}$?

A. $\frac{1}{30}$

C. $\frac{5}{6}$

B. $\frac{6}{5}$

D. $\frac{5}{30}$

8) A baker has $3\frac{2}{5}$ pounds of almonds. She uses $2\frac{1}{5}$ pounds in a recipe. How many pounds of almonds are left?

9) Sam has 832 trading cards. He wants to organize them into 8 albums with the same number of cards per album. How many cards go in each album?

A. 100

C. 109

B. 102

D. 104



1) Is 56 a multiple of 8?

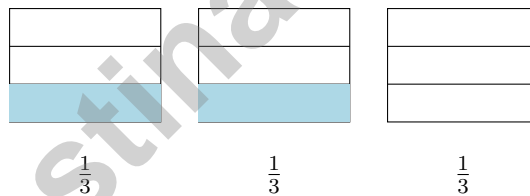
- A. Sometimes C. Cannot tell
 B. No D. Yes

2) Emma has 6 books. Her sister has 3 times as many. How many books does her sister have?

- A. 9 C. 6
 B. 3 D. 18

3) Ava has $\frac{2}{5}$ of a candy bar. Diego gives her $\frac{2}{5}$ more. How much candy does Ava have now?

- A. $\frac{4}{10}$ C. $1\frac{1}{5}$
 B. $\frac{4}{5}$ D. $\frac{2}{10}$



4) two cans have paint

Three paint cans are shown. Two are $\frac{1}{3}$ filled each (blue). One is empty. How much total paint is there?

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



5) A track is divided into 10 equal sections. A runner has completed $\frac{7}{10}$ of the track. What decimal shows this progress?

A. 0.07

C. 7.0

B. 0.7

D. 0.017

6) Elena shares a chocolate bar into 2 equal pieces. She eats both pieces. Which shows this as unit fractions?

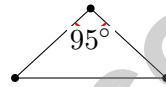
A. $\frac{1}{2}$

C. $\frac{1}{2} + \frac{1}{2}$

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

D. $\frac{1}{1}$

7) Look at the triangle. It has one angle that is 95 degrees. What type of triangle is it?



A. Acute triangle

C. Obtuse triangle

B. Right triangle

D. Equilateral triangle

8) What is 87,543 rounded to the nearest hundred?

A. 88,000

C. 87,600

B. 87,540

D. 87,500

9) Four students measured string lengths in fourths. Leo: $\frac{1}{4}, \frac{2}{4}, \frac{3}{4}$ (sum: $\frac{6}{4}$). Sam: $\frac{2}{4}, \frac{2}{4}$ (sum: $\frac{4}{4}$). Chris: $\frac{3}{4}, \frac{3}{4}, \frac{3}{4}$ (sum: $\frac{9}{4}$). Whose total is shortest?

A. Leo

C. Chris

B. Sam

D. Leo and Sam are equal



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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

- 1) **Choice B is correct.** (4.G.1) The exterior of an angle is all the space outside the angle.
- 2) **Choice B is correct.** (4.G.1) A rectangle has two pairs of parallel sides and all four right angles. Although opposite sides are equal in length, not all four sides must be equal. The answer is **B**.
- 3) **Choice D is correct.** (4.N.3) The garden has 5 equal rows, and plants are in 3 of them. So the fraction with plants is $\frac{3}{5}$, which breaks into unit fractions: $\frac{3}{5} = \frac{1}{5} + \frac{1}{5} + \frac{1}{5}$.
- 4) **Choice D is correct.** (4.N.1) “6 times as many” tells us to multiply. Maya has 6 groups of Sam’s 4 cards: $6 \times 4 = 24$ trading cards.
- 5) **Choice B is correct.** (4.G.2) At $\frac{1}{2}$ inch there is 1 X mark. At $\frac{3}{2}$ inches there are 3 X marks. The difference is $3 - 1 = 2$.
- 6) **Choice D is correct.** (4.N.1) Which is NOT $\frac{1}{2}$? The first three all reduce to $\frac{1}{2}$: $\frac{3}{6} = \frac{4}{8} = \frac{5}{10} = \frac{1}{2}$. But $\frac{2}{5}$ is less than half.
- 7) **The correct answer is 0.5.** (4.N.2) Fifty hundredths equals 0.5.
- 8) **Choice B is correct.** (4.G.1) A straight angle is a 180° angle, meaning it turns through **180** one-degree angles.
- 9) **Choice A is correct.** (4.A.1) Three ribbon strips, each $\frac{3}{8}$ meter long, have a total length of $3 \times \frac{3}{8} = \frac{9}{8}$ meters.
- 10) **Choice C is correct.** (4.A.1) Divide: $54 \div 6 = 9$, and $0 \div 6 = 0$ gives 90. Tyler gets **90** minutes of recess per week.
- 11) **Choice C is correct.** (4.N.1) The 7 in the thousands place is worth 7,000. The 7 in the ones place is worth 7. Since $7,000 \div 7 = 1,000$, the answer is **1,000** times. ✓
- 12) **Choice C is correct.** (4.G.2) The bar model shows 4 containers, each holding 6 liters. Multiply: $4 \times 6 = 24$ liters. The total is **24** liters.
- 13) **The correct answer is 1.** (4.G.1) The question tells us the letter has exactly one line of symmetry, so the answer is **1**.
- 14) **The correct answer is B, C.** (4.G.2) Check each option. A: 50 cm = 0.5 m, wrong. B: 500 cm = 5 m, correct! C: 5,000 mm = 5 m, correct! D: 5,000 cm = 50 m, wrong. E: 5 m = 0.005 km, not 0.05 km. The correct answers are **B** and **C**.
- 15) **Choice C is correct.** (4.N.3) Add the wholes: $1 + 2 = 3$. Add the fractions: $\frac{4}{5} + \frac{1}{5} = \frac{5}{5} = 1$. Combine: $3 + 1 = 4$ meters.
- 16) **Choice A is correct.** (4.N.3) Three friends share one sub. Step 1: Add Friends A and B: $\frac{4}{10} + \frac{3}{10} = \frac{7}{10}$. Step 2: Friend C eats what’s left: $\frac{10}{10} - \frac{7}{10} = \frac{3}{10}$.
- 17) **Choice D is correct.** (4.N.1) We’re rounding to the nearest hundred. Look at the tens digit: 6. Since $6 \geq 5$, we round UP! The hundreds digit changes from 6 to 7, so the answer is **33,700**. ✓
- 18) **Choice C is correct.** (4.A.1) Sarah makes 8 equal hops of $\frac{1}{12}$ each: $8 \times \frac{1}{12} = \frac{8}{12}$.
- 19) **Choice D is correct.** (4.G.3) Fencing needed = $2(8) + 2(4) = 16 + 8 = 24$ ft.
- 20) **Choice C is correct.** (4.G.1) An endpoint is where something stops or where it starts. Lines don’t have endpoints, but rays start at one, and segments have two. Point *P* here acts as both — it’s an endpoint for these shapes.
- 21) **The correct answer is 19,567.** (4.N.1) The library received more books, so we add. $15,000 + 4,567 = \mathbf{19,567}$ books.
- 22) **Choice A is correct.** (4.N.2) The number line from 0.30 to 0.35 divides into 5 equal steps. The mark is one step from 0.30, so it lands on 0.31.
- 23) **Choice B is correct.** (4.N.3) The path started at $\frac{10}{12}$ meter. Rain washed away $\frac{4}{12}$ meter. What’s left: $10 - 4 = 6$ twelfths, or $\frac{6}{12}$ meter.
- 24) **Choice B is correct.** (4.G.1) The angle spans from 270° to 300° , measuring 30° .
- 25) **Choice D is correct.** (4.N.1) Split both: $17 = 10 + 7$ and $19 = 10 + 9$. The four partial products are: $10 \times 10 = 100$, $10 \times 9 = 90$, $7 \times 10 = 70$, $7 \times 9 = 63$.
- 26) **Choice A is correct.** (4.G.2) When smaller angles combine, they add to form the larger angle: $22^\circ + 58^\circ = \mathbf{80^\circ}$.
- 27) **Choice D is correct.** (4.N.4) Look for any factor besides 1 and 50. Since $50 = 2 \times 25 = 5 \times 10$, 2 and 5 are also factors. With multiple factors, 50 is **composite**.
- 28) **Choice A is correct.** (4.A.1) For $3 \times \frac{2}{5}$, we need 3 bars, each divided into 5 parts with 2 parts shaded in each. Picture A shows three bars with two-fifths shaded in each bar. The answer is Picture A.



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Trail Guide's Final Note

Hi, Brave Trail-Walker!

◇ You walked all 3 miles of the practice trail. Smooth paths, steep climbs, narrow passes. Every step taught you something. ◇

★ **Trail guides know:** the most important thing is to keep moving. Slow steps still get you there. You have a steady stride now. ★

Trail Survey

- **Route Knowledge:** You know lots of problem types.
- **Steady Pace:** You don't rush. You don't stop.
- **Pack Loaded:** You have all the math tools you need.
- **Confidence:** You trust your training.

Guide's tip: on test day, stay on the trail you've walked before. Use the strategies you've practiced. Trust the route. The summit is one steady walk away!

If you want to share something or ask a question, please email me at jay@testinar.com.

Jay Daie

Your Math Trail Guide

PRACTICE TODAY. SUCCEED TOMORROW!

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

With 3 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.



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
- ✓ Measurement & Data
- ✓ Geometry & Shapes
- ✓ Perimeter & Area
- ✓ Word Problems
- ✓ Patterns & Algebraic Thinking
- ✓ And More!



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