

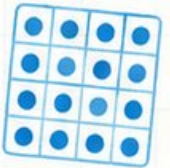
10

$$7 \times 8 = 56$$

$$\begin{array}{r} 32 \\ \times 6 \\ \hline 192 \end{array}$$



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



Nebraska

NSCAS Growth

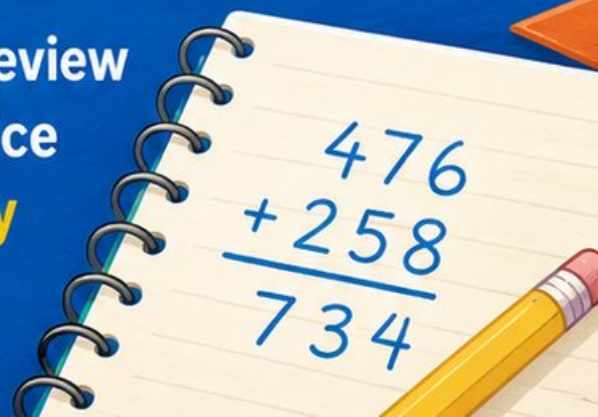
GRADE 4

MATH



PRACTICE TESTS

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



10 Nebraska NSCAS Growth Grade 4 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Ten 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!

Ten steady rounds on the Cornhusker State math route

This book gives you ten 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?

Ten tests, 300 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 7–9	Stamina rounds for mixed review, neat work, and flexible strategies.
Test 10	Final round to show growth across the whole Nebraska book.
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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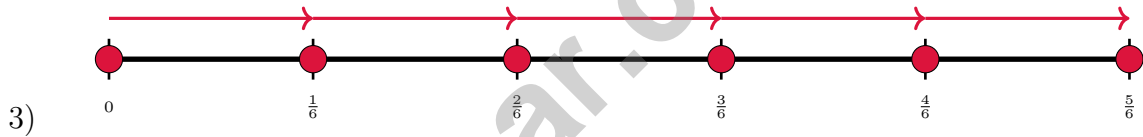
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- 1) A line plot shows plant heights in halves of an inch. The measurements are: $\frac{1}{2}$ in, 1 in, $\frac{1}{2}$ in, $\frac{3}{2}$ in, 1 in, 1 in. How many X marks should be placed at 1 inch on the line plot?

- 2) Lily reads $\frac{1}{3}$ of a book each day. How much of the book has she read after 2 days?

- A. $\frac{1}{6}$ of the book C. $\frac{2}{1}$ of the book
 B. $\frac{2}{3}$ of the book D. $\frac{4}{3}$ of the book



The number line shows 5 jumps of $\frac{1}{6}$. Which equation matches this?

- A. $5 \times \frac{1}{6} = \frac{4}{6}$ C. $5 \times \frac{6}{1} = 30$
 B. $5 \times \frac{1}{6} = \frac{5}{6}$ D. $\frac{5}{1} = 5$
- 4) Compare these three decimals on a number line: 0.2, 0.8, 0.5. Which is in the middle?
- A. 0.2 C. 0.5
 B. 0.8 D. They are all equal



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- 5) A bakery makes 25 trays of cookies. Each tray holds 28 cookies. How many cookies are made?
- A. 600 cookies C. 750 cookies
 B. 800 cookies D. 700 cookies
- 6) What does a point represent in geometry?
- A. An exact location with no size or shape C. The corner of a shape
 B. A small circle on a diagram D. The space between two lines
- 7) Is 43 prime or composite?
- A. Both C. Neither
 B. Composite D. Prime
- 8) Jackson has $3\frac{5}{6}$ cups of juice. He drinks $2\frac{2}{6}$ cups. How much juice remains?
- A. $1\frac{3}{6}$ C. $5\frac{7}{6}$
 B. $1\frac{2}{6}$ D. $2\frac{3}{6}$
- 9) A recipe uses $\frac{9}{4}$ cups of flour. This equals how many whole cups and extra fourths?
- A. 1 whole and $\frac{5}{4}$ extra C. 2 wholes and $\frac{9}{4}$ extra
 B. 2 wholes and $\frac{1}{4}$ extra D. 3 wholes and $\frac{1}{4}$ extra
- 10) Which attribute describes a rhombus but is not true for all rectangles?
- A. Four sides C. All sides are equal in length
 B. Two pairs of parallel sides D. Four right angles



11) Which is the smallest fraction?

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

- C. $\frac{2}{6}$
 D. $\frac{2}{5}$

12) A farmer has 23,456 kg of grain. He uses 5,678 kg. How much grain is left?

- A. 17,778 kg
 B. 17,878 kg

- C. 18,778 kg
 D. 17,678 kg

13) Mia bakes 8 cookies. Max bakes 2 times as many cookies as Mia. How many cookies does Max bake?

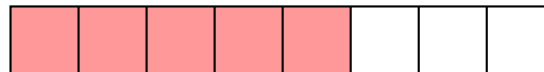
- A. 6
 B. 8

- C. 10
 D. 16

14) Which two fractions are equivalent to $\frac{2}{4}$?

- A. $\frac{1}{2}$
 B. $\frac{3}{7}$
 C. $\frac{2}{5}$
 D. $\frac{4}{8}$
 E. $\frac{3}{5}$

15) A rectangle is divided into 8 equal columns. 5 columns are painted red. Show the red fraction as a sum of unit fractions.



5 red columns out of 8

- A. $\frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8}$
 B. $\frac{1}{5} + \frac{1}{5} + \frac{1}{5} + \frac{1}{5} + \frac{1}{5}$

- C. 5 parts of 5
 D. $\frac{5}{5}$



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5) A store has 96 ounces of dried apples to pack into bags of 8 ounces each. How many bags are needed?

A. 8 bags

C. 88 bags

B. 12 bags

D. 104 bags

6) A toy store received 2,016 action figures in a shipment. They need to pack them into 9 boxes equally. How many figures go in each box?

A. 224

C. 220

B. 228

D. 216

7) Which problem has an answer of $4\frac{1}{2}$?

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

C. $3\frac{1}{2} + 1\frac{1}{2}$

B. $5\frac{1}{2} - 2\frac{1}{2}$

D. $6 - 2\frac{1}{2}$

8) In the number 52,864, what is the value of the digit in the tens place?

9) Which number is divisible by 10?

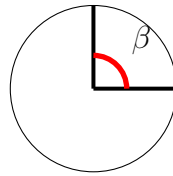
A. 45

C. 70

B. 68

D. 82



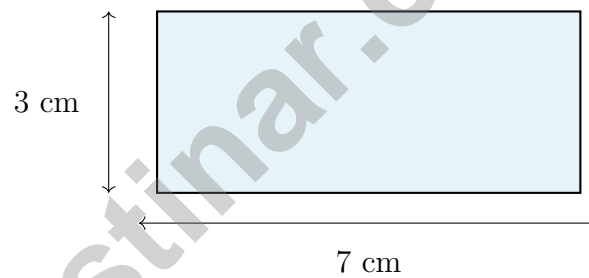


1)

What is the measure of the angle shown?

 A. 45° C. 135° B. 90° D. 180°

2) Which number is divisible by 3?

 A. 25 C. 48 B. 34 D. 55

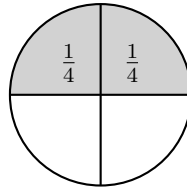
3)

What is the area of the rectangle shown above?

 A. 10 sq cm C. 21 sq cm B. 20 sq cm D. 28 sq cm

4) Which expression does NOT equal $\frac{7}{10}$?

- A. Seven unit fractions of $\frac{1}{10}$
 C. $\frac{1}{7} + \frac{1}{7} + \frac{1}{7} + \frac{1}{7} + \frac{1}{7} + \frac{1}{7} + \frac{1}{7}$
 B. $\frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10}$
 D. 7 parts out of 10



$\frac{1}{2}$ painted

5)

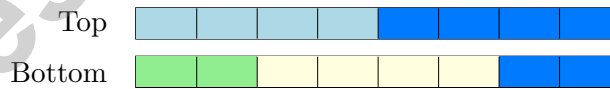
A circular garden section is $\frac{1}{2}$ painted yellow. How much of the garden is not painted?

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

6) A figure has exactly 3 lines of symmetry. Which listed figure matches that description?

- A. It is a square
 C. It is a rectangle
 B. It is an equilateral triangle
 D. It is a circle

7) A student draws two bars showing $\frac{8}{8}$:



Which decomposition does the top bar show?

- A. $\frac{4}{8} + \frac{4}{8}$
 C. $\frac{1}{8} + \frac{7}{8}$
 B. $\frac{2}{8} + \frac{2}{8} + \frac{2}{8} + \frac{2}{8}$
 D. $\frac{3}{8} + \frac{5}{8}$



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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) **The correct answer is 3.** (4.G.2) Count how many times 1 inch (which is $\frac{2}{2}$ inch) appears in our measurements: 1, 1, 1 = **3** times.
- 2) **Choice B is correct.** (4.A.1) Lily reads $\frac{1}{3}$ of the book each day for 2 days. Multiply: $2 \times \frac{1}{3} = \frac{2 \times 1}{3} = \frac{2}{3}$ of the book. The answer is $\frac{2}{3}$ of the book.
- 3) **Choice B is correct.** (4.A.1) The number line shows 5 equal jumps, each of $\frac{1}{6}$, landing at $\frac{5}{6}$. This represents $5 \times \frac{1}{6} = \frac{5}{6}$.
- 4) **Choice C is correct.** (4.N.2) On a number line from 0 to 1: $0.2 < 0.5 < 0.8$. The value 0.5 is halfway between 0 and 1, right in the middle!
- 5) **Choice D is correct.** (4.N.1) Break apart: $25 \times (20 + 8) = 500 + 200 = \mathbf{700}$ cookies.
- 6) **Choice A is correct.** (4.G.1) A point is simply a precise spot in space — like marking a location on a map with a pin. It has no length, width, or height; we just draw it as a tiny dot to show where it is.
- 7) **Choice D is correct.** (4.N.4) Test the small primes: 43 is odd; $4 + 3 = 7$ (not $\div 3$); doesn't end in 0 or 5; $7 \times 6 = 42$, $7 \times 7 = 49$, no 7. So 43's only factors are 1 and 43—**prime**.
- 8) **Choice A is correct.** (4.N.3) Jackson starts with juice and drinks some. Subtract the amount he drinks: $3\frac{5}{6} - 2\frac{2}{6} = 1\frac{3}{6}$ cups of juice remain.
- 9) **Choice B is correct.** (4.N.3) Break apart $\frac{9}{4}$: two wholes are $\frac{4}{4} + \frac{4}{4}$, then add $\frac{1}{4}$ more. That's $2\frac{1}{4}$ cups ✓.
- 10) **Choice C is correct.** (4.G.1) A rhombus has the property of having all four sides equal. Rectangles have opposite sides equal, but not all four sides equal (unless it's a square). Both shapes have two pairs of parallel sides. The answer is **C**.
- 11) **Choice C is correct.** (4.N.1) All fractions have numerator 2. Larger denominator means smaller pieces, so the biggest denominator (6) gives the smallest fraction.
- 12) **Choice A is correct.** (4.N.1) The farmer uses some grain, so we subtract. $23,456 - 5,678 = \mathbf{17,778}$ kg left.
- 13) **Choice D is correct.** (4.D.2) "2 times as many" is a multiplication signal. Max bakes 2 groups of Mia's 8 cookies: $8 \times 2 = 16$ cookies.
- 14) **The correct answer is A, D.** (4.N.1) Simplify $\frac{2}{4}$: divide both by 2 to get $\frac{1}{2}$ (option A) ✓ Also, $\frac{2}{4} = \frac{2 \times 2}{4 \times 2} = \frac{4}{8}$ (option D) ✓ The other options (B, C, E) are not equivalent—they don't equal $\frac{1}{2}$.
- 15) **Choice A is correct.** (4.N.3) The rectangle has 8 equal columns, and 5 are painted red. So $\frac{5}{8}$ is red, which is $\frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8}$ —five unit fractions.
- 16) **Choice D is correct.** (4.G.1) The letter Z slants in one direction only. If you fold it any way—up and down, left and right, or diagonally—the halves don't match. The answer is letter **Z**.
- 17) **Choice A is correct.** (4.A.1) Divide: $30 \div 6 = 5$, bring down the 2 to get $2 \div 6 = 0$ r2, bring down the 4 to get $24 \div 6 = 4$. The factory can fill **504** boxes.
- 18) **Choice C is correct.** (4.G.2) Each carton holds 3 liters. For 9 cartons, multiply: $3 \times 9 = 27$ liters. There are **27** liters of juice.
- 19) **Choice C is correct.** (4.G.1) The two rays forming an angle are called the sides (or rays) of the angle.
- 20) **Choice C is correct.** (4.G.1) $\frac{7}{12} + \frac{1}{12} = \frac{8}{12} = \frac{2}{3}$ of a full turn. $\frac{2}{3} \times 360^\circ = 240^\circ$.
- 21) **Choice B is correct.** (4.N.3) Starting at 0, the first hop goes right by $\frac{3}{4}$. The second hop adds $\frac{1}{4}$ more, landing exactly at 1. That's $\frac{3}{4} + \frac{1}{4} = 1$.
- 22) **Choice B is correct.** (4.G.3) Using $P = 2\ell + 2w = 50$ with $\ell = 15$: $2(15) + 2w = 50$. Simplify: $30 + 2w = 50$, so $2w = 20$, thus $w = 10$ ft.
- 23) **Choice D is correct.** (4.G.2) Since 1 mile = 1,760 yards, divide: $8,800 \div 1,760 = 5$ miles. The answer is **5** miles.
- 24) **The correct answer is 8,000.** (4.N.1) The digit 8 occupies the thousands place. Its value: $8 \times 1,000 = 8,000$ ✓
- 25) **Choice A is correct.** (4.N.1) In option A (79,999), the thousands digit is $9 \geq 5$, so round the ten thousands digit UP from 7 to 8, giving **80,000** ✓.
- 26) **The correct answer is $3\frac{7}{8}$.** (4.N.3) Add the wholes: $2 + 1 = 3$. Add the fractions: $\frac{3}{8} + \frac{4}{8} = \frac{7}{8}$. The sum is $3\frac{7}{8}$. Since the fractions add to less than a whole, no regrouping is needed.



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Star Player Pep Talk

Hi, Star Player!

◇ 10 practice tests. Every one of them was a chance to grow. You took every chance. That's why you're a math star today! ◇

★ **Star players know:** confidence comes from practice. You can't fake it. You build it. You built yours over 10 tests. It's real now! ★

Star Player Stats

- **Practice:** OFF THE CHARTS!
- **Skills:** BROAD! You can do many problem types.
- **Toughness:** HIGH! You don't quit on hard problems.
- **Game Plan:** READY! You know your strategies.

Star tip: on test day, take it one play at a time. One problem. Then the next. You will earn your stars!

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

Jay Daie

Your Math Coach

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This **Grade 4 Math Practice Tests** book is designed to help students build strong math skills, boost confidence, and succeed in the classroom and beyond. With 10 full-length practice tests that reflect real test formats, students get the targeted practice they need to master key concepts, improve problem-solving abilities, and achieve their goals.

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