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10 Nebraska NSCAS Growth




GRADE 3

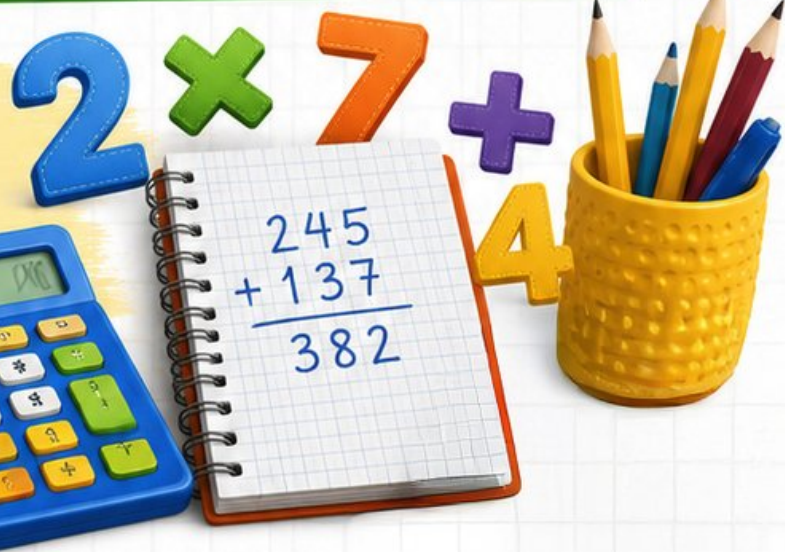
MATH



PRACTICE TESTS



- ✓ Complete Standards Review
 - ✓ Skill Practice
 - ✓ Word Problems and Answer Key
- 



★ ★ ★
**PREPARE
PRACTICE
SUCCEED!**
★ ★ ★



Aligned to
Grade 3 Math
Standards



Build Confidence
and Master
Math Skills



Test-Taking
Practice for
Success



Answer Key
for Easy
Review

10 Nebraska NSCAS Growth Grade 3 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Ten complete 30-question Grade 3 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 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?

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.

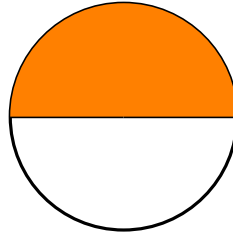


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& answers

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- 1) Look at the circle divided into 2 equal parts. One part is shaded.



What is the unit fraction?

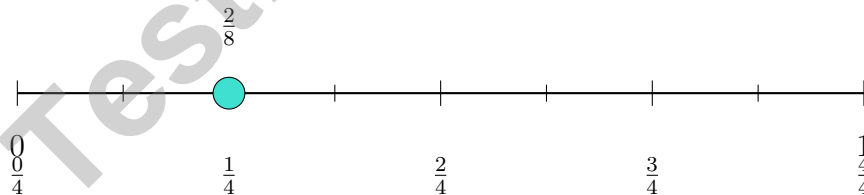
- A. $\frac{1}{2}$ C. $\frac{2}{1}$
 B. $\frac{1}{1}$ D. $\frac{1}{3}$

- 2) The shape shows all its parts shaded. What fraction is this?



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

- 3) Which fraction is equivalent to $\frac{1}{4}$?

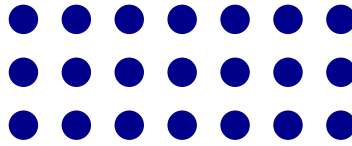


- A. $\frac{2}{8}$ C. $\frac{1}{3}$
 B. $\frac{3}{8}$ D. $\frac{2}{4}$



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4) Look at this array. It has 3 rows and \square columns. There are 21 dots in total.



$$3 \times \square = 21$$

A. 9

C. 6

B. 8

D. 7

5) Which fraction is NOT equivalent to $\frac{2}{6}$?

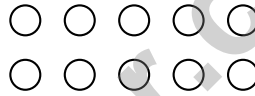
A. $\frac{1}{3}$

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

B. $\frac{2}{8}$

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

6)



What multiplication does this show?

A. $2 \times 10 = 20$

C. $3 \times 5 = 15$

B. $5 \times 5 = 25$

D. $2 \times 5 = 10$

7) A 7×6 rectangle is shown with one dimension split. Which equation matches?

A. $7 \times 6 = 7 \times (4+2) = (7 \times 4) + (7 \times 2) = 28 + 14 = 42$

C. $7 \times 6 = 7 + 6 + 4 + 2 = 19$

D. $7 + 6 = 13$

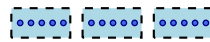
B. $7 \times 6 = 6 \times (3+3) = 18 + 18$



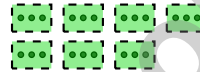
8) Find the missing number: $? + 256 = 781$. What is the missing addend?

9) Which picture shows 21 items divided equally into 3 groups?

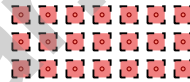
A. Three groups of five



B. Seven groups of three



C. Twenty-one groups of one



D. Three groups of seven



10) A line plot shows bookmark widths in inches: $1, 1\frac{1}{2}, 2, 2\frac{1}{2}$. There are three bookmarks at 1 inch, one at $1\frac{1}{2}$ inches, and four at 2 inches. How many bookmarks are $2\frac{1}{2}$ inches wide if the total is 11 bookmarks?

A. 2

C. 4

B. 3

D. 5



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1) What is $803 - 367$?

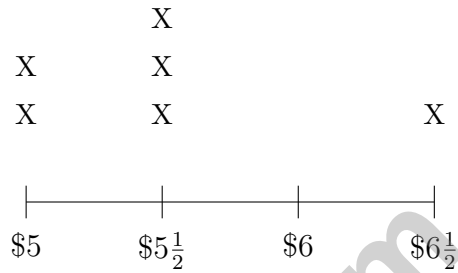
A. 436

C. 536

B. 446

D. 526

2) A line plot shows lunch amounts in dollars: $5, 5\frac{1}{2}, 6, 6\frac{1}{2}$.



How many lunch costs were $5\frac{1}{2}$?

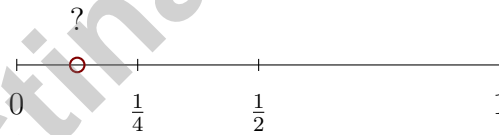
A. 2

C. 4

B. 3

D. 6

3)



The red dot is between 0 and $\frac{1}{4}$. What fraction could it be?

A. $\frac{1}{8}$

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

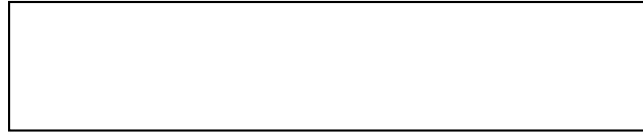
B. $\frac{1}{4}$

D. $\frac{2}{4}$



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2 cm



10 cm

4)

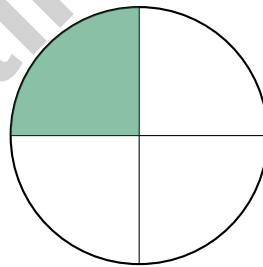
What is the area of this long, narrow rectangle?

 A. 12 sq cm C. 24 sq cm B. 20 sq cm D. 40 sq cm

5) A bar graph shows candies. Each bar height represents units. The scale is 5 candies per unit. Red bar is 2 units, blue is 3 units, green is 4 units. How many candies in total?

 A. 45 C. 35 B. 40 D. 50

6) A pizza circle is divided into equal parts. Mia takes 1 part and it is $\frac{1}{4}$ of the pizza. How many equal parts is the pizza divided into?

 A. 2 parts C. 4 parts B. 3 parts D. 6 parts

Practice Test Answer Keys

How to use this section with a Grade 3 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.** **(3.A.1)** The circle is divided into 2 equal parts. One part is shaded, so the unit fraction is $\frac{1}{2}$ (one-half).
- Choice D is correct.** **(3.N.2)** Both parts are shaded, so it is $\frac{2}{2}$, which equals 1 whole. (A) is only one shaded part. (B) and (C) are not written with correct denominator 2.
- Choice A is correct.** **(3.N.2)** $\frac{1}{4}$ and $\frac{2}{8}$ both show one-quarter of a whole.
- Choice D is correct.** **(3.A.1)** Divide: $21 \div 3 = 7$ columns. Check: $3 \times 7 = 21$.
- Choice D is correct.** **(3.N.2)** $\frac{2}{6} = \frac{1}{3}$ (one-third). The fraction $\frac{2}{3}$ (two-thirds) is NOT equivalent because they represent different-size regions. Although both have numerator 2, the denominators 6 and 3 divide the whole differently, so $\frac{2}{6} \neq \frac{2}{3}$.
- Choice D is correct.** **(3.D.2)** The picture shows 2 rows with 5 circles in each row. So $2 \times 5 = 10$ or $5 \times 2 = 10$.
- Choice A is correct.** **(3.G.2)** Splitting 6 into 4 + 2 and using the distributive property gives the same total area of 42.
- The correct answer is 525.** **(3.A.1)** Subtract to find the missing addend: $781 - 256 = 525$. Check: $525 + 256 = 781$.
- Choice D is correct.** **(3.D.2)** $21 \div 3 = 7$. The picture shows 3 equal groups, each with 7 items.
- Choice B is correct.** **(3.D.2)** Add known values: $3 + 1 + 4 = 8$. Subtract from total: $11 - 8 = 3$ bookmarks at $2\frac{1}{2}$ inches.
- Choice D is correct.** **(3.A.1)** $5 \times 6 = 30$ is correct. The other answers are: $3 \times 6 = 18$, $8 \times 5 = 40$, and $9 \times 3 = 27$.
- Choice C is correct.** **(3.G.2)** A 3×3 checkerboard contains $3 \times 3 = 9$ unit squares.
- Choice B is correct.** **(3.G.3)** $3 \text{ kg} = 3000 \text{ g}$. Add: $3000 + 500 = 3500 \text{ g}$.
- Choices C and D are correct.** **(3.A.1)** Pattern C (multiples of 2): 2, 4, 6, 8, 10 are all even because we're multiplying 2 by 1, 2, 3, 4, 5. Pattern D (multiples of 4): 4, 8, 12, 16, 20 are all even because 4 is even, and even times any number is even. Pattern A is all odd (not even). Pattern B has 5, 15, 25 (odd) and 10, 20 (even)—mixed. Pattern E has 3, 9, 15 (odd) and 6, 12 (even)—mixed.
- Choice D is correct.** **(3.G.2)** Area = $7 \times 5 = 35 \text{ ft}^2$.
- Choice C is correct.** **(3.A.1)** Area = length \times width = $9 \times 5 = 45$ square inches.
- Choice C is correct.** **(3.D.1)** $8 \times 4 = 32$ unit squares.
- The correct answer is 2.** **(3.N.2)** From 0 to $\frac{2}{3}$ is a count of 2 equal sections.
- Choice A is correct.** **(3.G.4)** The point is between 250 and 255, closer to 250. A number like 251–254 rounds to 250 (ones digit < 5).
- Choice D is correct.** **(3.A.1)** The commutative property says you can switch the order of the factors and still get the same answer. So $2 \times 7 = 7 \times 2 = 14$.
- Choice D is correct.** **(3.A.1)** Step 1: Find cars per section: $8 \times 3 = 24$ cars. Step 2: Find total: $4 \times 24 = 96$ cars.
- The correct answer is 40 tiles.** **(3.G.2)** Count the rows: 5 rows of tiles. Count across: 8 tiles per row. Total: $8 + 8 + 8 + 8 + 8 = 40$ square foot tiles cover the floor.
- Choice B is correct.** **(3.G.2)** If each part is $\frac{1}{5}$, then there are 5 equal parts total.
- Choice B is correct.** **(3.A.1)** Adding the width 4 five times: $4 + 4 + 4 + 4 + 4 = 20$. This is the same as $5 \times 4 = 20$ square units.
- Choice D is correct.** **(3.N.2)** A complete fact family has two multiplication facts and two division facts. All four link the same three numbers.
- Choice A is correct.** **(3.G.2)** Add all four parts: $8 + 6 + 6 + 4 = 24$ square units.
- Choice A is correct.** **(3.G.2)** Rectangle X covers $5 \times 2 = 10$ square units. Rectangle Y covers $2 \times 3 = 6$ square units. So Rectangle X has the greater area.
- Choice C is correct.** **(3.G.2)** Tall rectangle: $3 \times 8 = 24$ square units. D is concatenation error.
- Choice C is correct.** **(3.G.1.1)** Multiply the number of units by the scale: $4 \times 5 = 20$ books.
- Choice A is correct.** **(3.G.2)** All have numerator 1. Larger denominators mean smaller pieces. So eighths < fourths < halves.



Hi, Strong Climber!

◇ You climbed all 10 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.

Jay Daie

Your Math Trail Guide

PRACTICE TODAY. SUCCEED TOMORROW!

Give your child the advantage they need in **Grade 3 Math** with 10 full-length practice tests that build skills, boost confidence, and improve results. Designed to mirror real test formats, this book helps students master essential math concepts and feel ready for any challenge.



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Realistic tests that simulate the look and feel of actual Grade 3 math assessments.



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