

8

Nebraska

NSCAS Growth

GRADE 3

MATH

PRACTICE TESTS

Standards-Aligned Review with
Mixed Practice and Answer Key



8 Full-Length
Practice Tests



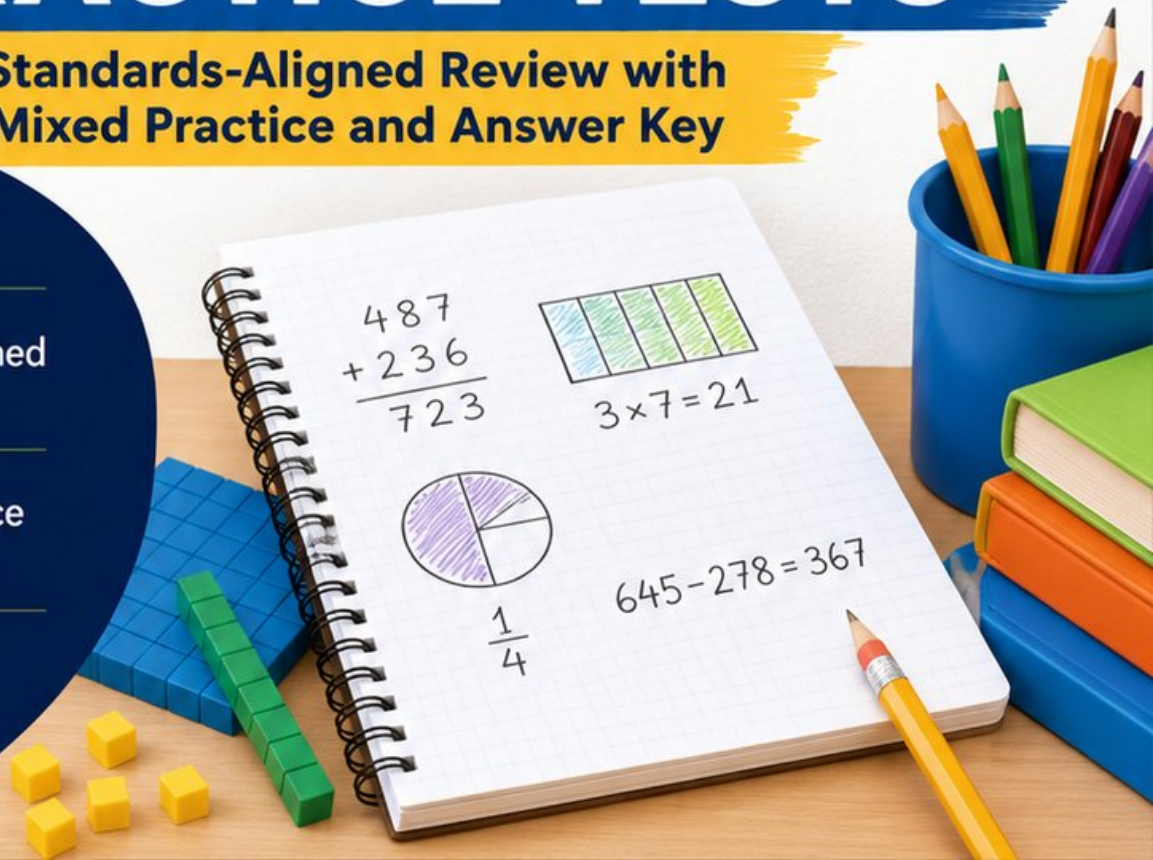
Standards-Aligned
Questions



Build Confidence
and Math Skills

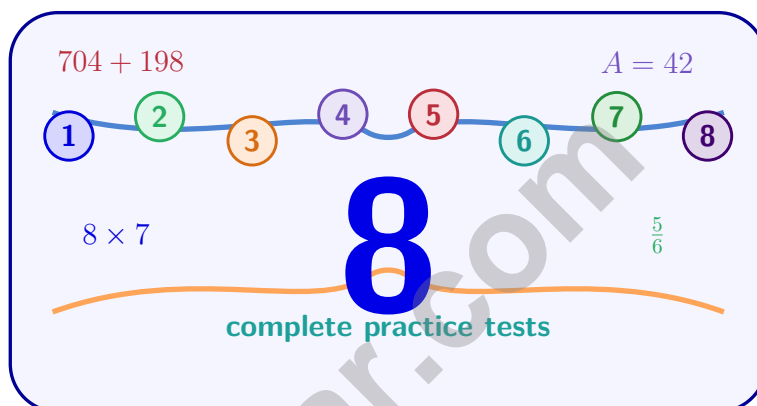


Answer Key
Included



8 Nebraska NSCAS Growth Grade 3 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Eight complete 30-question practice rounds for Grade 3 math: operations, fractions, measurement, data, area, shapes, answer keys, and clear explanations for every item.

Jay Daie and Reza Nazari



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Nebraska, Your Eight-Test Math Path Begins

Eight focused rounds, one stronger Grade 3 problem solver

This book gives you eight full chances to practice like a careful test taker for the Nebraska NSCAS Growth. Each test is a new route through numbers, shapes, data, measurement, and word problems. Work slowly enough to notice what the question asks, and proudly enough to show your thinking.

Nebraska has sandhill trails, prairie winds, river crossings, farm grids, and steady classroom habits, where careful steps matter. Strong math follows that same path: notice the question, choose a tool, show the work, and check the structure before calculating.

Your Nebraska Math Promise

I will read the whole question, choose a smart strategy, write clear work, and check whether my answer makes sense.

Eight rounds. Thirty questions each. One careful step at a time.

How to Use This Book

A simple eight-round routine for confident review

Use this Nebraska book as a practice plan, not a race. Finish one test, review it, fix a few problems, then carry one better habit into the next test.

1. **Preview the reference page.** Notice units, time, and measurement facts before you begin.
2. **Take one full test.** Circle anything that feels tricky so you can return to it.
3. **Check the answer key.** Mark correct answers and questions to try again.
4. **Read explanations.** Study missed items and lucky guesses first.
5. **Redo three problems.** Write fresh work without copying the explanation.
6. **Name one habit.** Pick a focus such as labels, facts, fractions, or neat work.
7. **Try the next test.** Bring that habit forward.
8. **Finish with a final check.** Look for growth across all eight tests.

Best review habit: In Nebraska, strong practice means slowing down enough to see the clue. When an answer is wrong, ask, “What step would I change next time?”



What Is Inside the Eight Tests?

Mixed Grade 3 math practice for the NSCAS Growth

Each practice test has 30 questions. You will see multiple-choice questions, select-all questions, and open-ended questions with workspace. The mix helps students practice both choosing an answer and explaining a short mathematical result.

Part	What to Expect
Eight full tests	30 mixed Grade 3 questions in each round
Math topics	multiplication, division, place value, fractions, time, measurement, data, area, perimeter, and shapes
Answer keys	compact answer boxes for quick checking
Explanations	short reasoning for every item so mistakes become useful review
Progress pages	places to record scores, habits, and next-step goals

Nebraska focus: The practice path starts with sandhill trails, prairie winds, river crossings, farm grids, and steady classroom habits. Strong math uses the same idea: know the path, follow the clues, and check the final answer.



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For more practice
& answers

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1) Ben ate $\frac{1}{4}$ of a sandwich. Mia ate $\frac{1}{2}$ of a sandwich of the same size. Who ate more?

- A. Ben ($4 > 2$, so fourths are more) D. Cannot tell without knowing the sandwich size
- B. Mia
- C. They ate the same amount

2) A rectangle is broken into $3 \times (4 + 5)$. Which is NOT a correct next step?

- A. $3 \times 9 = 27$ C. $3 + 4 + 5 = 12$
- B. $(3 \times 4) + (3 \times 5) = 12 + 15 = 27$ D. $(3 \times 4) + (3 \times 5)$

3) Noah reads $\frac{4}{8}$ of a book. What is equivalent?

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

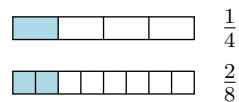
4) A rectangular tile is 7 inches long and 3 inches wide. How much area does one tile cover?

- A. 20 sq in C. 21 sq in
- B. 28 sq in D. 10 sq in

5) Round 351 to the nearest 100.

- A. 300 C. 351
- B. 350 D. 400

6) Look at the fraction bars. Which bars show equivalent fractions?



- A. Yes, they are equivalent C. The bars cannot be compared
- B. No, they are not equivalent D. They show a ratio, not a fraction



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Addition

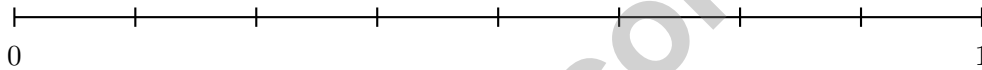
7)

Hundreds	Tens	Ones
4	7	8
+	+	+
2	5	4

Using the place-value chart, what is $478 + 254$?

- A. 722 C. 832
 B. 742 D. 732

8) On a number line from 0 to 1 with 8 equal parts, where is $\frac{6}{8}$?



- A. At the fourth tick C. At the sixth tick
 B. At the fifth tick D. At the seventh tick

9) Noah is decorating a wall with square tiles. The wall space is 6 units long and 6 units tall. How many square tiles does he need?

- A. 12 tiles C. 36 tiles
 B. 24 tiles D. 48 tiles

10) What is the missing number? $28 \div \square = 7$

- A. 3 C. 5
 B. 6 D. 4



11) A bar graph shows fish in aquariums. The goldfish bar is 3 units tall, and the betta bar is 2 units tall. The scale is 5 fish per unit. How many goldfish are in the aquarium?

- A. 10 C. 20
 B. 15 D. 25

12) What do all quadrilaterals have in common?

- A. They all have right angles C. They all have parallel sides
 B. They all have equal sides D. They all have 4 sides

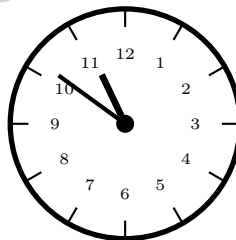
13) Select the **TWO** correct answers.

Which of these multiplication facts are correct?

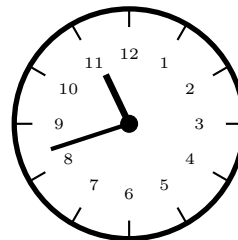
- A. $4 \times 5 = 20$
 B. $6 \times 6 = 35$
 C. $9 \times 7 = 63$
 D. $5 \times 7 = 36$
 E. $3 \times 9 = 28$

14) Which clock shows a time of 10 : 51?

Option 1



Option 2

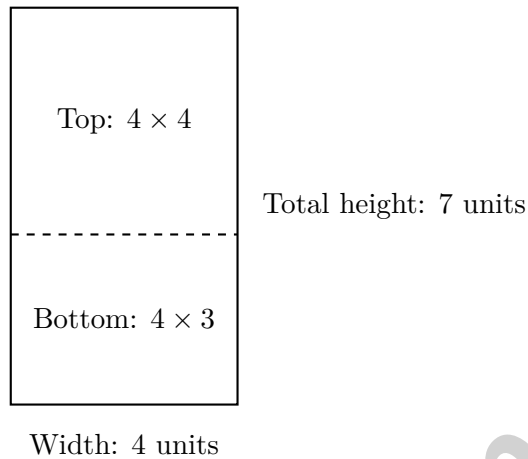


- A. Option 1 C. Neither
 B. Option 2 D. Both



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1) A rectangle is split horizontally:



What is the correct distributive statement?

- A. $4 \times (4 + 3) = (4 \times 4) + (4 \times 3) = 16 + 12 = 28$
 C. $4 \times 7 = 28$
- B. $4 + 3 = 7$ units
 D. $(4 + 4) + (4 + 3) = 15$
- 2) There are 48 students. They are divided equally into 6 classes. Then 4 new students join one class. How many students are in that class now?
- A. 8
 C. 16
- B. 12
 D. 18
- 3) Ben says that a circle divided into 6 equal parts has each part as $\frac{1}{5}$. Is this correct?
- A. Yes, because $6 - 1 = 5$
 C. Yes, because 5 is a unit fraction
- B. No, each part is $\frac{1}{6}$
 D. No, the circle must have 5 parts



4) What is 7×7 ?

A. 42

C. 56

B. 63

D. 49

5) Two identical number lines go from 0 to 1. Point A marks $\frac{2}{3}$. Point B marks $\frac{4}{6}$. Do they mark the same position?

A. Cannot tell from the description.

C. Yes, same position.

B. No, B is further right.

D. No, A is further right.

6) Round 945 to the nearest 100.

A. 900

C. 945

B. 940

D. 1000

7)



Which sides in this quadrilateral appear to be parallel?

A. Only the red sides

C. Both the red and blue sides

B. Only the blue sides

D. No sides are parallel

8) Mia colored $\frac{2}{3}$ of a circle. Write an equivalent fraction that uses 6 as the denominator.



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1) Sam divides a number line from 0 to 2 into fourths. He marks the 6th tick. What fraction and mixed number does this represent?

A. $\frac{6}{4}$, or $1\frac{1}{2}$

B. $\frac{3}{4}$ only

C. $\frac{3}{4}$, or $\frac{6}{8}$

D. $\frac{3}{4}$, or $1\frac{1}{2}$

2) Which two fractions both equal the whole number 2?

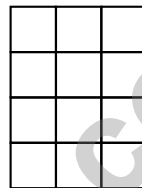
A. $\frac{2}{1}$ and $\frac{4}{2}$

B. $\frac{2}{1}$ and $\frac{3}{3}$

C. $\frac{4}{4}$ and $\frac{6}{3}$

D. $\frac{3}{1}$ and $\frac{6}{2}$

3) Ava is looking at this shape made of unit squares:



How many unit squares cover this shape?

A. 7 unit squares

B. 10 unit squares

C. 12 unit squares

D. 15 unit squares

4) A soccer team has 3 equal groups of players. There are 8 players in each group. How many players are on the team?

A. 5

B. 16

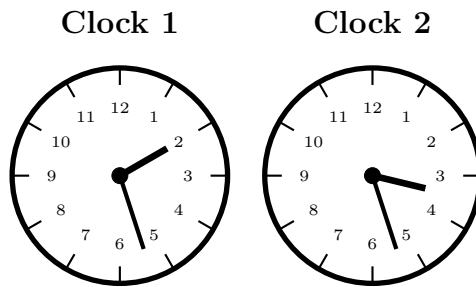
C. 11

D. 24



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5) Which clock shows 3 : 27?



A. Clock 1

C. Neither

B. Clock 2

D. Both

6) Which fraction is equivalent to $\frac{2}{4}$?

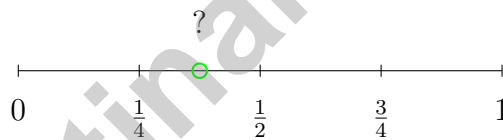
A. $\frac{2}{6}$

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

B. $\frac{3}{8}$

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

7)



The green dot is halfway between $\frac{1}{4}$ and $\frac{1}{2}$. Which is true?

A. The dot = $\frac{1}{4}$

C. $\frac{1}{4} < \text{the dot} < \frac{1}{2}$

B. The dot $> \frac{1}{2}$ and $< \frac{3}{4}$

D. The dot = $\frac{1}{2}$

8) Which number sentence shows the distributive property?

A. $(2 + 3) \times 4 = 2 \times 4 + 3 \times 4$

C. $(2 + 3) \times 4 = 5 \times 4$

B. $(2 + 3) \times 4 = 2 + 3 + 4$

D. $(2 + 3) \times 4 = 2 \times 3 \times 4$



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 B is correct.** (3.G.2) Same numerator (1), different denominators: halves are bigger pieces than fourths. So $\frac{1}{2} > \frac{1}{4}$. Mia ate more because she had one piece of a larger size.
- Choice C is correct.** (3.G.2) Adding the numbers instead of multiplying does not use the distributive property or find the area correctly.
- Choice B is correct.** (3.N.2) $\frac{4}{8}$ and $\frac{1}{2}$ both equal half of a whole.
- Choice C is correct.** (3.A.1) Area = length \times width = $7 \times 3 = 21$ square inches.
- Choice D is correct.** (3.G.4) The tens digit is 5. Since $5 \geq 5$, round up: 351 rounds to 400.
- Choice A is correct.** (3.G.2) Both bars show the same shaded length. $\frac{1}{4} = \frac{2}{8}$ because $\frac{1 \times 2}{4 \times 2} = \frac{2}{8}$.
- Choice D is correct.** (3.A.1) Ones: $8 + 4 = 12$ (write 2, carry 1). Tens: $7 + 5 + 1 = 13$ (write 3, carry 1). Hundreds: $4 + 2 + 1 = 7$. Answer: 732.
- Choice C is correct.** (3.N.2) $\frac{6}{8}$ is 6 out of 8 equal parts, which is at the sixth tick mark from 0.
- Choice C is correct.** (3.G.2) $6 \times 6 = 36$ unit square tiles.
- Choice D is correct.** (3.N.2) If $28 \div \square = 7$, then $7 \times \square = 28$. Since $7 \times 4 = 28$, the missing number is 4.
- Choice B is correct.** (3.G.1.1) Multiply the height by the scale: $3 \times 5 = 15$ goldfish.
- Choice D is correct.** (3.G.1.1) The word “quadrilateral” means “four sides.” All quadrilaterals, whether squares, rectangles, or trapezoids, have exactly 4 sides.
- Choices A and C are correct.** (3.A.1) $4 \times 5 = 20$ is right. $6 \times 6 = 36$ not 35. $9 \times 7 = 63$ is right. $5 \times 7 = 35$ not 36. $3 \times 9 = 27$ not 28.
- Choice A is correct.** (3.G.4) At 10 : 51, the minute hand points to 51 minutes, just past the 10. The hour hand is between 10 and 11, close to 11. Option 1 shows this accurately.
- Choice D is correct.** (3.D.2) The addition $9 + 9 + 9 + 9$ has four 9’s, so it equals $4 \times 9 = 36$.
- Choice D is correct.** (3.N.2) Both A ($\frac{1}{2}$) and D ($\frac{2}{4}$) represent one-half of their rectangles.
- Choice C is correct.** (3.G.2) The lines do not create equal parts. Lines from the center must divide a circle into equal angles to make equal parts.
- Choice A is correct.** (3.A.1) Option A shows 6 rows and 3 columns. By the commutative property, $3 \times 6 = 6 \times 3 = 18$. Flipping rows and columns shows the same product in a different order.
- Choice C is correct.** (3.N.2) One whole cake can be written as $\frac{1}{1}$ because the numerator and denominator are the same.
- Choice D is correct.** (3.A.1) Each product is made by multiplying a number by itself: 1×1 , 2×2 , 3×3 , and so on. That is the pattern on this diagonal.
- Choice B is correct.** (3.G.2) Add the parts: $20 + 15 = 35$ square units.
- The correct answer is 1 inch.** (3.D.2) Range = max - min = $8 - 7 = 1$ inch.
- Choice B is correct.** (3.A.1) With length 5 and width 4, you add the width 4 five times: $4 + 4 + 4 + 4 + 4 = 20$. This equals $5 \times 4 = 20$ square units.
- Choice D is correct.** (3.A.1) Divide: $54 \div 6 = 9$. Each part is 9. Check: $6 \times 9 = 54$.
- Choice D is correct.** (3.G.2) Count the rows: 3 rows. Count the columns: 3 columns. The area is 9 square units.
- Choice B is correct.** (3.G.2) Larger denominators give smaller fractions. $\frac{1}{8} < \frac{1}{4} < \frac{1}{2}$.
- Choice D is correct.** (3.D.2) $20 \div 5 = 4$. Divide the total beads by the number of bracelets.
- Choice C is correct.** (3.G.2) The rectangle is 2 feet wide and 3 feet tall: $2 \times 3 = 6$ unit squares.
- Choice D is correct.** (3.G.2) Multiply: 5 packs \times 6 stickers per pack = 30 stickers.
- The correct answer is 10.** (3.A.1) $48 \div 6 = 8$, and $8 + 2 = 10$.

Practice Test 2 Answers and Explanations



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A Quiet Word From Your Mentor

Hi, Thoughtful Student,

◇ I want to take a moment to tell you something true: you did excellent work. 8 practice tests is a real promise that you kept to yourself. That matters. ◇

★ **Mentors notice:** growth is quiet. It doesn't shout. But it shows up in how you handle a problem today vs how you did weeks ago. That growth is your real prize. ★

What I See in You

- **Hard Work:** You don't quit when problems are tough.
- **Curiosity:** You wonder why and how.
- **Kindness:** You are patient with yourself.
- **Brave Heart:** You try things that scare you.

Mentor's note: on test day, treat yourself like you would a friend. Be kind. Be patient. Be encouraging. The skills are inside you!

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

Jay Daie

Your Math Mentor

PRACTICE TODAY. MASTER TOMORROW.

This book is designed to help **Grade 3** students strengthen their math skills through focused practice and real progress.

- ✓ 8 full-length practice tests
- ✓ Aligned to Grade 3 standards
- ✓ Build confidence and achieve success



EACH PRACTICE TEST INCLUDES:



Standards-
Aligned
Questions



Variety of
Question
Types



Real-World
Math
Applications



Step-by-Step
Progress
Tracking



Build Skills
and Boost
Confidence

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- ✓ Fractions & Decimals
- ✓ Algebraic Thinking
- ✓ Geometry
- ✓ Measurement & Data
- ✓ Number Patterns
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