

4

COMPLETE

Nebraska NSCAS Growth

Grade

MATH

5

PRACTICE TESTS

Standards-Based Test Prep with
Mixed Review, Word Problems,
and **Full Answer Key**



- ✓ **4 COMPLETE PRACTICE TESTS**
Built to reflect the test format and rigor



- ✓ **COVERS ALL ESSENTIAL TOPICS**
Numbers & Operations, Fractions, Decimals, Geometry, Measurement, Data & Probability, and more



- ✓ **STRENGTHEN SKILLS & CONFIDENCE**
Mixed review, challenging questions, and strategic practice



- ✓ **FULL ANSWER KEY INCLUDED**
Detailed explanations for every question



**BUILD STRONG
MATH SKILLS
& TEST READINESS**



**IMPROVE ACCURACY,
SPEED, AND
PROBLEM SOLVING**



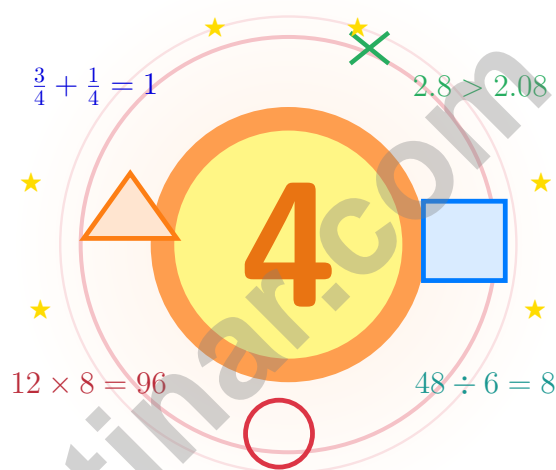
**PERFECT FOR
CLASSROOM,
HOME, OR
SELF-STUDY**



**ALIGNED TO
NEBRASKA
STATE STANDARDS
(NSCAS GROWTH)**

4 Nebraska NSCAS Growth Grade 5 Math Practice Tests

Four full practice tests and the habits that carry you to the real one



Four full tests, a smart quick review, mission-style strategy pages, and student-tested support that help Grade 5 mathematicians from The Cornhusker State build calm, careful, confident habits.

Jay Daie and Reza Nazari



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Nebraska Grade 5: Mission Briefing

A four-test journey for Nebraska Grade 5 thinkers

Just for Nebraska Grade 5 Mission Specialists

This book gives you four chances to read closely, solve carefully, and level up your math thinking. Math is a lot like a long Nebraska cornfield – the work is real, the rows are tidy, and finishing one helps you start the next.

You do not need to feel perfect before you begin. You just need to stay curious, use strategies, and learn from every correction. That is how confident mathematicians are built.

See

See the whole problem
before you start the
math.

Plan

Plan one careful step
before the next.

Reflect

Reflect after each
problem to lock the
lesson in.

A strong mission habit for Nebraska: keep your work neat, estimate when it helps, label units carefully, and never let one hard question decide your mood for the whole page.

Your Step-by-Step Plan

A four-step routine that turns practice into real improvement

Step 1: Set Up

Pencil ready, distractions gone.

Wake up the big Grade 5 ideas before the test starts so your brain is already warmed up.

Step 2: Work the Test

Take a full test like the real day.

Find a calm corner, settle in, and aim for careful, honest choices before quick ones.

Step 3: Look Back

Walk through your answers without rushing.

Circle missed questions, sort out what went sideways, and notice which skills are calling for attention.

Step 4: Climb Higher

Pick one or two skills to sharpen next.

Read the explanation, fix the work, and carry that lesson into the very next test.

A Four-Week Nebraska Mission Map

Week	Mission Focus
Week 1	Take Test 1 and finish row one with care.
Week 2	Take Test 2 and lift word problems and clear writing.
Week 3	Take Test 3 to polish fractions, decimals, and conversions.
Week 4	Take Test 4 like a long calm farming day – steady from sunrise to sundown.



Scan me

Meet the Four Tests

What these four practice tests help Grade 5 students build

These three practice tests prepare Grade 5 students in Nebraska for the Nebraska NSCAS Growth with the steady patience of a long farming day. The goal is bigger than collecting right answers. Students are practicing how to read carefully, choose a strategy, solve step by step, and explain their reasoning clearly – the same way mathematicians do every day.

Selected-Response Questions

Students solve the problem and choose the best answer. Estimating first, crossing out weak choices, and checking for reasonableness can save time and points.

Constructed-Response Questions

Students show steps, explain a method, or support an answer with clear math. Strong reasoning matters because it shows how the answer was found.

Grade 5 Ideas That Show Up Again and Again

- place value, comparing numbers, and rounding
- multi-digit addition, subtraction, multiplication, and division
- fractions, mixed numbers, and decimals
- perimeter, area, volume, and measurement conversions
- tables, line plots, patterns, and coordinate points
- geometry and multi-step real-world problem solving

What strong NSCAS Growth-style work looks like: accurate math, readable steps, the right labels or units, and a final answer that really matches the question being asked.



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Grade 5 Mathematics Reference Materials

PERIMETER AND AREA

Perimeter of Rectangle $P = 2l + 2w$ or $P = 2(l + w)$

Area of Rectangle $A = l \times w$

Area of Triangle $A = \frac{1}{2} \times b \times h$

Volume of Rectangular Prism $V = l \times w \times h$

LENGTH

Customary

1 foot (ft) = 12 inches (in.)

1 yard (yd) = 3 feet (ft)

1 yard (yd) = 36 inches (in.)

Metric

1 meter (m) = 100 centimeters (cm)

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CAPACITY

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1 day = 24 hours (hr) 1 year = 52 weeks



1) Evaluate: $100 \div (20 - 15) + 4$

A. 24

C. 14

B. 9

D. 20

2) What is $8 \div \frac{1}{3}$?

A. 32

C. 16

B. 8

D. 24

3) A company has 2,400 employees. They are split equally into 100 teams for training. How many employees are in each team?

A. 0.24

C. 24

B. 2.4

D. 240

4) A rectangular prism has a volume of 648 cubic units. If the dimensions are 9 units, 8 units, and an unknown dimension, what is the missing dimension?

A. 7 units

C. 9 units

B. 8 units

D. 12 units

5) Add: $3\frac{1}{4} + 1\frac{3}{4}$

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

C. 5

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

D. $5\frac{1}{4}$

6) Compare without calculating: $72 \div 9$ $72 \div 8$

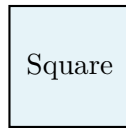
A. >

C. =

B. Cannot tell

D. <





7)

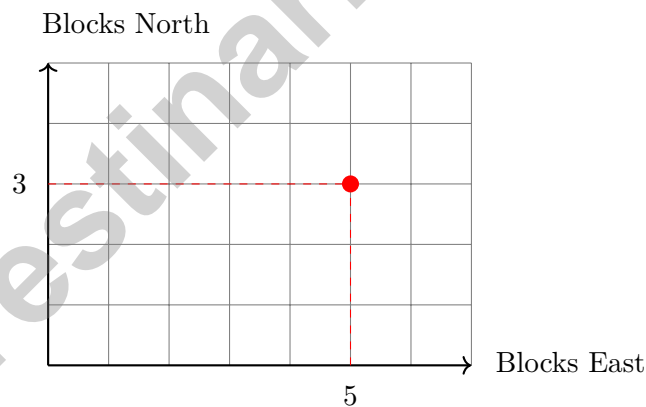
Which statement about a square is always true?

- A. It has exactly 3 sides. C. It has no parallel sides.
 B. It has 4 equal sides and 4 right angles. D. It is not a quadrilateral.

8) A tray has 6 brownies. Each serving is one half brownie. Which division equation matches the situation?

- A. $6 \div \frac{1}{2} = n$ C. $6 \times \frac{1}{2} = n$
 B. $\frac{1}{2} \div 6 = n$ D. $6 + \frac{1}{2} = n$

9) A point is located 5 blocks east and 3 blocks north from the origin. What are the coordinates of this point?



- A. (3, 5) C. (8, 3)
 B. (5, 8) D. (5, 3)



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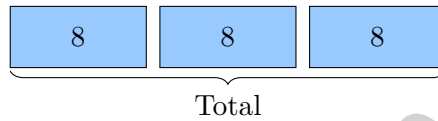
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1) Pattern Epsilon is 1, 3, 5, 7. Pattern Zeta is 4, 12, 20, 28. Which statement describes how each Zeta value is related to the matching Epsilon value?

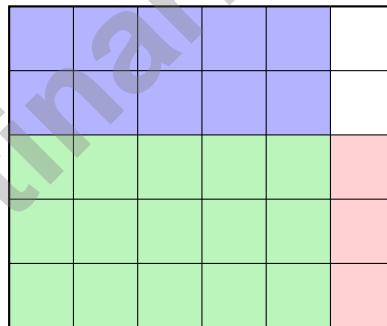
- A. Multiply Epsilon by 8.
- B. Multiply Epsilon by 4.
- C. Add 3 to Epsilon.
- D. Multiply Epsilon by 8, then subtract 4.

2) The tape diagram shows an expression. Which matches it?



- A. $8 + 3$
- B. 3×8
- C. $8 - 3$
- D. $8 \div 3$

3) A rectangular garden is $\frac{5}{6}$ mile long and $\frac{3}{5}$ mile wide. What is the area?



- A. $\frac{8}{11}$ square miles
- B. $\frac{5}{6}$ square miles
- C. $\frac{15}{18}$ square miles
- D. $\frac{15}{30}$ square mile or $\frac{1}{2}$ square mile



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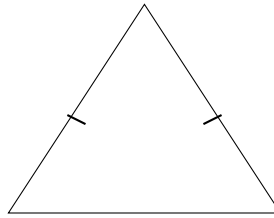
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- 1) A child drinks 1 cup 2 fluid ounces of milk at breakfast and 1 cup 6 fluid ounces at dinner.
How many fluid ounces of milk did the child drink in total?

Use: 1 cup = 8 fluid ounces

- A. 18 fluid ounces C. 22 fluid ounces
 B. 20 fluid ounces D. 24 fluid ounces
- 2) Look at the triangle with tick marks. What type of triangle is it based on its sides?



- A. Scalene C. Equilateral
 B. Isosceles D. Right



Practice Test Answer Keys

How to use this section:

1. check your answer
2. circle missed questions
3. rework them before reading the explanation

Good correction habits build strong scores.

Testinar.com



Practice Test Answers and Explanations

Practice Test 1 Answers and Explanations

- 1) **Choice A is correct.** (5.A.1) The parentheses give $20 - 15 = 5$. Then $100 \div 5 = 20$, and adding 4 gives 24.
- 2) **Choice D is correct.** (5.N.3) $8 \div \frac{1}{3} = 8 \times 3 = 24$.
- 3) **Choice C is correct.** (5.N.2) Dividing by a power of 10 shifts the value to a smaller place. $2,400 \div 100 = 24$ employees per team. This confirms the answer.
- 4) **Choice C is correct.** (5.A.1) The known dimensions make a base area of $9 \times 8 = 72$ square units. Since $648 \div 72 = 9$, the missing dimension is 9 units.
- 5) **Choice C is correct.** (5.N.3) Add whole parts: $3 + 1 = 4$. Add fractions: $\frac{1}{4} + \frac{3}{4} = 1$. Total: $4 + 1 = 5$.
- 6) **Choice D is correct.** (5.D.2) Both expressions start with the same total, 72. When you divide the same total by 8 instead of 9, each group is a little larger, so $72 \div 9 < 72 \div 8$.
- 7) **Choice B is correct.** (5.G.1) A square is a quadrilateral with 4 equal sides and 4 right angles. Those properties are always true for squares.
- 8) **Choice A is correct.** (5.N.3) Use total amount divided by the size of one piece. The equation is $6 \div \frac{1}{2} = n$.
- 9) **Choice D is correct.** (5.G.2) The x-coordinate is 5 (blocks east) and the y-coordinate is 3 (blocks north), so the coordinates are (5, 3).
- 10) **Choice B is correct.** (5.A.1) Base area: $6 \times 5 = 30$ square units. Total volume: $30 \times 8 = 240$ cubic units.
- 11) **Choice A is correct.** (5.N.3) $\frac{1}{6} \div 2 = \frac{1}{6} \times \frac{1}{2} = \frac{1}{12}$.
- 12) **The correct answer is 9.** (5.D.2) The known width and height make groups of $5 \times 4 = 20$ cubic inches. Since $180 \div 20 = 9$, the length is 9 in.
- 13) **Choice A is correct.** (5.G.2) Divide by 2 each step: $12.5 \div 2 = 6.25$.
- 14) **Choice B is correct.** (5.G.2) Both points W at (7, 3) and Y at (7, 7) have x-coordinate 7. Point X at (3, 7) has x-coordinate 3.
- 15) **Choice B is correct.** (5.G.2) Each N value is 4 more than the matching M value: $2 + 4 = 6$, $4 + 4 = 8$, $6 + 4 = 10$, and $8 + 4 = 12$.
- 16) **The correct answer is $(7 + 8) \times 4$.** (5.D.2) Rubric note: accept $(7 + 8) \times 4$, $4 \times (7 + 8)$, or any equivalent expression that clearly shows 7 and 8 are added first and that the resulting sum is multiplied by 4.
- 17) **Choice B is correct.** (5.D.1) Longest is $\frac{5}{8}$, shortest is $\frac{1}{4}$. Difference: $\frac{5}{8} - \frac{1}{4} = \frac{5}{8} - \frac{2}{8} = \frac{3}{8}$.
- 18) **Choice B is correct.** (5.N.2) $\frac{4}{5} \times \frac{5}{6} = \frac{20}{30}$, which simplifies to $\frac{2}{3}$ meter.
- 19) **Choices A, B are correct.** (5.G.3) A is true: $2.5 \times 100 = 250$ cm. B is true: $3 \times 1,000 = 3,000$ g. C is false: 500 mL = 0.5 L (not 5 L). D is false: 4 cm = 0.04 m (not 40 m).
- 20) **Choice A is correct.** (5.G.1) The matching tick marks show Figure A has four equal sides. It has no right-angle marks, so it is a rhombus but not a square.
- 21) **Choice B is correct.** (5.G.1) Point B is at 0.525, which is 0.025 from 0.5. Point A (0.205) is 0.295 away, and C (0.75) is 0.25 away. Point B is closest.
- 22) **Choice C is correct.** (5.N.3) Line up decimal points and subtract place by place. $8.37 - 5.84 = 2.53$ miles remaining. This confirms the answer.
- 23) **Choice B is correct.** (5.N.3) The denominator 5 is multiplied by 4 to make 20, so multiply the numerator by 4: $\frac{1}{5} = \frac{4}{20}$.
- 24) **Choice D is correct.** (5.N.2) $\frac{1}{4} < 1$, so the result is less than 20.
- 25) **Choice C is correct.** (5.G.1) A rectangle is defined as a quadrilateral with all four angles equal to 90° . Trapezoids, rhombuses, and general parallelograms do not have this property.
- 26) **Choice B is correct.** (5.A.1) City A total is $(0 \times 2) + (1 \times 3) + (2 \times 1) + (3 \times 1) = 8$ inches. City B total is $(0 \times 1) + (1 \times 1) + (2 \times 3) + (3 \times 1) = 10$ inches. The difference is $10 - 8 = 2$ inches.
- 27) **The correct answer is 42.** (5.G.4) A 7 by 2 layer has 14 cubes. With 3 layers, $14 \times 3 = 42$ cubic units.
- 28) **Choice C is correct.** (5.N.3) Ask, "How many fourths are in 2?" Since $2 \div \frac{1}{4} = 2 \times 4 = 8$, there is enough clay for 8 projects.



Star Player Pep Talk

To My Star Math Player,

◇ 4 practice tests. Every one of them was a chance to grow, and every one of them you took. That's why your math game is at a new level today. ◇

★ **Star players know:** confidence comes from preparation. You can't fake confidence. You build it. You built yours through these 4 tests. So when test day shows up, your confidence will be real, because your work was real. ★

Star Player Stats

- **Practice Hours:** OFF THE CHARTS!
- **Skill Range:** BROAD! You can handle different problem types.
- **Mental Toughness:** HIGH! You don't quit on hard problems.
- **Game-Day Plan:** READY! You know your strategies.

Star tip: the best players don't try to be perfect on every play. They focus on the next play. Do that on the test. One problem at a time. One small win at a time. You add them up to a great score.

If you'd like to share your experience or have questions, please email me at reza@testinar.com. I'd love to hear from you!

Reza Nazari & Jay Daie

Your Math Coaches (Go Star!)

4 COMPLETE TESTS. CONFIDENCE. SUCCESS.



Give your child the practice and confidence they need to excel in **Grade 5 Math**. This book includes **4 full-length** practice tests designed to build skills, improve test readiness, and help students reach their full potential.

WHAT'S INSIDE:



4 COMPLETE PRACTICE TESTS

Full-length tests that reflect real test format and rigor.



COVERS ALL GRADE 5 TOPICS

Numbers & Operations, Fractions, Decimals, Geometry, Measurement, Data & Probability, and more.



MIXED REVIEW & WORD PROBLEMS

Build problem-solving skills with mixed review questions and real-world word problems.



DETAILED ANSWER KEY

Step-by-step explanations for every question to help students learn and improve.



BUILD CONFIDENCE & IMPROVE SCORES

Practice consistently, reduce test anxiety, and achieve your best score!



PRACTICE SMART. LEARN MORE. ACHIEVE YOUR BEST.



Strengthen
Math Skills



Improve
Accuracy
& Speed



Master
Essential
Concepts



Boost
Confidence
on Test Day



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