7 Nebraska NSCAS Growth

GRADE 5

MATHEMATICS PRACTICE TESTS

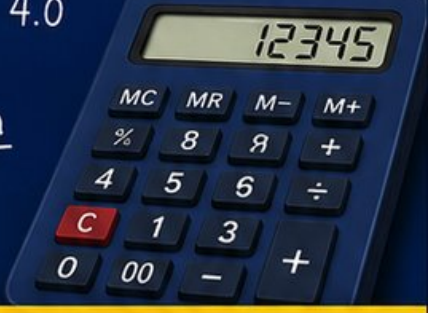
PRACTICE
PREPARE
SUCCEED

Comprehensive Standards-Aligned Review for Strong Grade 5 Math Performance

$\frac{3}{4} + \frac{2}{4} = \frac{5}{4}$

$2.4 + 1.6 = 4.0$

$A = \frac{bh}{2}$



7 FULL-LENGTH PRACTICE TESTS
Realistic style questions

STANDARDS-ALIGNED
Covers all Grade 5 standards

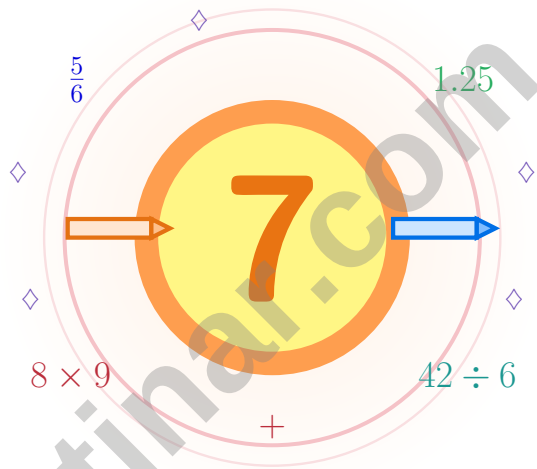
BUILD CONFIDENCE
Target weak areas and improve performance

ACHIEVE SUCCESS
Develop skills, stay prepared, excel on test day

★ PRACTICE TODAY. PERFORM TOMORROW. SUCCEED FOREVER. ★

7 Nebraska NSCAS Growth Grade 5 Math Practice Tests

Seven chances to read carefully, solve smartly, and grow stronger



Seven full tests, a concise review, and helpful support that turns Grade 5 practice in The Cornhusker State into steady, confident growth from page one to the final check.

Jay Daie and Reza Nazari

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Nebraska Mathematicians, Lace Up

A seven-step trail built for steady, brave thinking

An Invitation to Grade 5 in Nebraska

This practice book is your steady companion for seven tests, not a place to be perfect. 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.

Use these seven tests like stepping-stones. Take one test at a time, check your answers honestly, and notice which skills need more attention. Small improvements add up across seven rounds.

Read

Read with care – math problems hide their gifts.

Try

Try a strategy that fits the size of the numbers.

Reflect

Reflect after each problem to lock the lesson in.

A strong habit for Nebraska mathematicians: read carefully, estimate when it helps, show your steps, and keep going even when a question feels tricky. That is how steady math confidence is built.

A Simple Path Through Seven Tests

A simple routine that turns practice into progress

Step 1: Notice

Notice the structure: warm-up, test, review, repair.
Spend a few minutes waking up your memory before the test begins.

Step 2: Practice

Practice one full test in quiet conditions.
Work in a calm spot and focus on careful thinking before speed.

Step 3: Honest Check

Check honestly without rushing.
Circle missed questions and notice which topics keep showing up.

Step 4: Polish

Polish the rough spots before the next test.
Read the explanation, repair the work, and bring that lesson into the next test.

A Good 7-Week Nebraska Rhythm

Week 1	Take Test 1 and finish row one with care.
Week 2	Take Test 2 and slow down on word problems.
Week 3	Take Test 3 and lift fraction and decimal work.
Week 4	Take Test 4 and pay close attention to labels and units.
Week 5	Take Test 5 and compare your habits with your first test.
Week 6	Take Test 6 and practice staying calm during tricky questions.
Week 7	Take Test 7 like a long calm farming day.

Table of Contents

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	$A = \frac{1}{2} \times b \times h$
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LENGTH

Customary	**Metric**
1 foot (ft) = 12 inches (in.)	1 meter (m) = 100 centimeters (cm)
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1) A fruit juice is $\frac{1}{3}$ litre. It is poured equally into 6 cups. How much juice is in each cup?

☐ A. $\frac{1}{9}$ litre
☐ B. $\frac{6}{3}$ litres
☐ C. $\frac{1}{3}$ litre
☐ D. $\frac{1}{18}$ litre

2) Three decimals: 1.456, 1.572, 1.654. Which rounds to 1.5 (nearest tenth)?

☐ A. 1.456
☐ B. 1.572
☐ C. 1.654
☐ D. None of them

3) A recipe is scaled up. The original calls for $\frac{1}{6}$ cup sugar and $\frac{1}{4}$ cup flour. To add both with a common denominator, which works?

☐ A. $\frac{2}{12}$ cup and $\frac{3}{12}$ cup
☐ B. $\frac{1}{12}$ cup and $\frac{1}{12}$ cup
☐ C. $\frac{3}{12}$ cup and $\frac{4}{12}$ cup
☐ D. $\frac{2}{24}$ cup and $\frac{2}{24}$ cup

4) A prism has volume 240 cm^3 and base area 30 cm^2. Find its height.

Record your answer in the space provided.

5) Two patterns: "Subtract 1" (start 10) and "Divide by 2" (start 16). Create ordered pairs (S, D) for term 1 and term 2:

☐ A. Term 1: $(10, 16)$; Term 2: $(9, 8)$
☐ B. Term 1: $(1, 1)$; Term 2: $(2, 2)$
☐ C. Term 1: $(10, 8)$; Term 2: $(9, 4)$
☐ D. Term 1: $(10, 16)$; Term 2: $(10, 8)$

6) Choose the statement that matches the expression $5 \times 7 + 2$:

☐ A. 5 times the sum of 7 and 2
☐ B. 2 less than 5 times 7
☐ C. 5 times 7, then divided by 2
☐ D. 2 more than the product of 5 and 7

7) Two number sequences are shown. Sequence 1: 5, 10, 15, 20, 25. Sequence 2: 1, 2, 3, 4, 5. Write the rule for Sequence 2 in terms of Sequence 1.

Sequence 1	Sequence 2
5	1
10	2
15	3
20	4

☐ A. Sequence 2 = Sequence 1 $\div 5$
☐ B. Sequence 2 = Sequence 1 -4
☐ C. Sequence 2 = Sequence 1 $\times 5$
☐ D. Sequence 2 = Sequence 1 $+1$

8) Which decimal is equivalent to $7 \div 10$?

☐ A. 70
☐ B. 0.07
☐ C. 7
☐ D. 0.7

9) Which estimate uses the compatible numbers 4,900 and 70 to estimate $4{,}927 \div 73$?

☐ A. $5{,}100 \div 75 = 68$
☐ B. $5{,}000 \div 70 \approx 71$
☐ C. $4{,}800 \div 80 = 60$
☐ D. $4{,}900 \div 70 = 70$

10) Which fraction is equivalent to $\frac{1}{4}$ with denominator 12?

☐ A. $\frac{1}{12}$
☐ B. $\frac{3}{12}$
☐ C. $\frac{4}{12}$
☐ D. $\frac{6}{12}$

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1) A factory produces 34 items per hour. If the factory runs for 10 hours, how many items are produced?

☐ A. 34
☐ B. 44
☐ C. 340
☐ D. 3400

2) What is $\frac{1}{6} \times \frac{1}{2}$ in simplest form?

☐ A. $\frac{1}{8}$
☐ B. $\frac{1}{12}$
☐ C. $\frac{2}{8}$
☐ D. $\frac{1}{3}$

3) A rectangular prism is built to be 3 units wide, 5 units long, and has a volume of 60 unit cubes. What is its height?

☐ A. 2 units
☐ B. 5 units
☐ C. 6 units
☐ D. 4 units

4) Storage container: length 15 cm, width 10 cm, height 8 cm. Volume =?

☐ A. 1200 cm^3
☐ B. 33 cm^3
☐ C. 120 cm^3
☐ D. 150 cm^3

5) A model shows 4 wholes cut into halves. Which equation gives the number of half pieces?

☐ A. $\frac{1}{2} \div 4 = n$
☐ B. $4 \times \frac{1}{2} = n$
☐ C. $4 + \frac{1}{2} = n$
☐ D. $4 \div \frac{1}{2} = n$

6) A jeweler divides 26.3 ounces of gold equally among 100 customers. How much does each customer get?

☐ A. 2630 oz
☐ B. 263 oz
☐ C. 0.263 oz
☐ D. 2.63 oz

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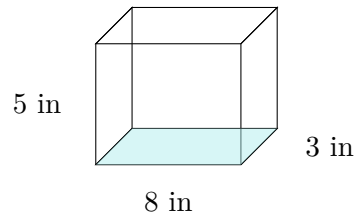

Base area = 24 in^2. Volume =?

☐ A. 192 in^3
☐ B. 24 in^3
☐ C. 120 in^3
☐ D. 120 in^2

2)

50 × 11 550	4 × 11 44
50 × 6 300	4 × 6 24

Use the area model to find 54×17.

☐ A. 900
☐ B. 918
☐ C. 935
☐ D. 950

3) Which sum is correct?

Problem	Sum
A: 3.14 + 2.35	5.59
B: 4.26 + 1.53	5.79
C: 6.12 + 2.31	8.53
D: 7.41 + 1.24	8.75

☐ A. A
☐ B. B
☐ C. C
☐ D. D

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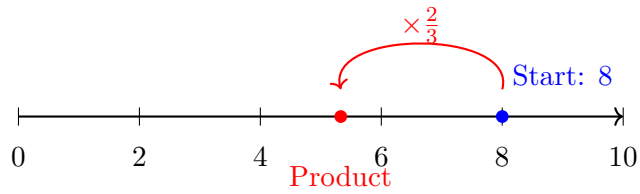


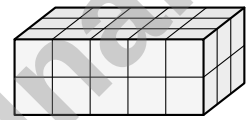
What is the value at the endpoint (product)?

☐ A. $5\frac{1}{3}$
☐ B. 3
☐ C. 8
☐ D. 10

2) Travel: Day 1 walked $2\frac{1}{2}$ mi, Day 2 walked $3\frac{3}{4}$ mi. Total distance?

☐ A. $5\frac{1}{4}$ mi
☐ B. $5\frac{3}{4}$ mi
☐ C. $6\frac{1}{4}$ mi
☐ D. 6 mi

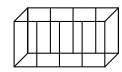
3) A box contains 2 layers of unit cubes. Each layer has 15 unit cubes. What is the total volume?



☐ A. 15 unit cubes
☐ B. 17 unit cubes
☐ C. 30 unit cubes
☐ D. 32 unit cubes

4) A rectangular prism has a volume of 24 cubic units. Which dimensions could create this volume?

Rectangular prism



☐ A. Length 2, width 3, height 3
☐ B. Length 2, width 4, height 3
☐ C. Length 2, width 2, height 5
☐ D. Length 3, width 3, height 2

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.

Practice Test Answers and Explanations

Practice Test 1 Answers and Explanations

1) **Choice D is correct.** 5.N.3 $\frac{1}{3} \div 6 = \frac{1}{3} \times \frac{1}{6} = \frac{1}{18}$.
2) **Choice A is correct.** 5.N.3 For 1.456: tenths digit is 4, hundredths is 5. Since $5 \geq 5$, round the tenths up to 5, giving 1.5. For 1.572: tenths is 5, hundredths is 7. Since $7 \geq 5$, round tenths up to 6, giving 1.6. For 1.654: tenths is 6, hundredths is 5, so it rounds to 1.7. Only A (1.456) rounds to 1.5.
3) **Choice A is correct.** 5.N.3 LCD of 6 and 4 is 12. $\frac{1}{6} = \frac{2}{12}$ and $\frac{1}{4} = \frac{3}{12}$.
4) **The correct answer is 8 cm.** 5.A.1 Divide the volume by the base area: $240 \div 30 = 8$, so the height is 8 cm.
5) **Choice A is correct.** 5.G.2 Subtract 1 (start 10): 10, 9, 8... Divide by 2 (start 16): 16, 8, 4...
6) **Choice D is correct.** 5.D.2 The product of 5 and 7 is 5×7. Adding 2 means the statement is "2 more than" that product.
7) **Choice A is correct.** 5.G.2 Dividing each term in Sequence 1 by 5 gives Sequence 2: 5÷5=1, 10÷5=2, 15÷5=3, etc.
8) **Choice D is correct.** 5.N.2 Dividing by 10 moves each digit one place to the right in the place-value chart, so $7 \div 10 = 0.7$.
9) **Choice D is correct.** 5.N.3 Use compatible numbers close to the original problem: $4{,}927 \approx 4{,}900$ and $73 \approx 70$. Then $4{,}900 \div 70 = 70$.
10) **Choice B is correct.** 5.N.3 The denominator 4 is multiplied by 3 to make 12. Multiply the numerator by 3 also: $\frac{1}{4} = \frac{3}{12}$.
11) **Choice C is correct.** 5.N.2 $10^3 = 1000$, so $93 \times 1000 = 93 \times 10^3$.
12) **Choice C is correct.** 5.N.3 $5 \times 1\frac{1}{5} = 5 \times \frac{6}{5} = \frac{30}{5} = 6$.
13) **Choice B is correct.** 5.G.1 A shape with opposite sides parallel and opposite sides equal is a parallelogram. The figure shown has these properties.
14) **Choice C is correct.** 5.N.2 $4.5 \times 100 = 450$ (move decimal 2 places right).
15) **Choice B is correct.** 5.G.1 A rhombus is a quadrilateral with four equal sides. It does not have to have four right angles.
16) **Choice B is correct.** 5.G.1 $2.53 > 2.35$ because in the tenths place, 5 tenths > 3 tenths. Week 2 had more rainfall.
17) **Choice D is correct.** 5.N.3 $6 \div \frac{1}{2} = 6 \times 2 = 12$. She completes 12 sprints.
18) **Choice C is correct.** 5.N.3 Write 1.8 as 1.80. Hundredths: $0+5=5$; tenths: $8+3=11$ (regroup); ones: $1+0+1=2$. Sum is 2.15.
19) **Choices A, B are correct.** 5.N.3 We are counting one-third scoops in 2 cups. A gives the division equation, and B is the related multiplication equation.
20) **Choice C is correct.** 5.G.2 To find the farthest right point, look for the largest x-coordinate. Point J at $(9, 8)$ has x-coordinate 9, which is the largest.
21) **The correct answer is 165.** 5.A.1 Convert the hours first: 2 hours is $2 \times 60 = 120$ minutes. Add 45 minutes to get $120 + 45 = 165$ minutes.
22) **Choice D is correct.** 5.G.4 An obtuse triangle has one angle greater than 90 degrees. Since 120 degrees is greater than 90 degrees, this is an obtuse triangle.
23) **Choice B is correct.** 5.A.1 Lowest: 2 m (2 marks), Highest: 5 m (1 mark). Range $= 5 - 2 = 3$ meters.
24) **Choice A is correct.** 5.N.3 Start with one unit fraction, $\frac{1}{6}$, and share it into 4 equal parts. Each part is $\frac{1}{6} \div 4 = \frac{1}{24}$ of the whole.
25) **Choice A is correct.** 5.A.1 One prism: $4 \times 5 \times 3 = 60$ in^3. Three prisms: $60 \times 3 = 180$ in^3.
26) **Choice C is correct.** 5.G.3 1 kilometer = 1,000 meters. Multiply: $4.5 \times 1000 = 4500$ m.
27) **Choice B is correct.** 5.G.4 $\frac{1}{2} + \frac{1}{3}$ is about $\frac{1}{2} + \frac{1}{2} = 1$. Choice A is much closer to 0, while choices C and D are greater than 1.
28) **Choice D is correct.** 5.N.3 $9\frac{7}{8} - 4\frac{3}{8} = 5\frac{4}{8} = 5\frac{1}{2}$ ft.
29) **The correct answer is 0.321.** 5.N.2 Move the decimal point two places left: $32.1 \rightarrow 0.321$.

Seven-Test Success Note

Dear Student,

⋆ You did something important: you completed seven full practice tests. That takes patience, focus, and real effort. Every time you kept going—even when a problem felt tricky—you trained your brain to stay calm and solve step by step. ⋆

◇ **Here is the big win:** you now have experience. On test day, many questions will feel familiar because you practiced. Familiarity builds confidence, and confidence helps you think clearly. ◇

My Test-Day Checklist

- **Read carefully:** underline important numbers and words.
- **Show your work:** it helps you catch mistakes.
- **Check your answer:** ask, "Does this make sense?"
- **Stay steady:** if one problem is hard, skip it and come back.

Remember: you don't need to be perfect to do well. You just need to use your strategies and keep trying—the same way you did in practice.

Want to share a proud moment from your practice? Email me at reza@testinar.com.

Reza Nazari & Jay Daie

Your Math Coaches (Practice Makes Progress)

PRACTICE TODAY.
PERFORM TOMORROW.

Success in math starts with practice! This book provides the **practice, confidence**, and **skills** your child needs to excel on the Grade 5 Math test and beyond.

KEY BENEFITS:

TARGETED PRACTICE
Focus on the most important Grade 5 math skills.

STANDARD-ALIGNED
All tests align with state standards for Grade 5.

BUILD CONFIDENCE
Strengthen skills, reduce test anxiety, and boost confidence.

IMPROVE PERFORMANCE
Timed practice helps improve speed and accuracy.

ACHIEVE SUCCESS
Develop strong test-taking skills and achieve your best score!

PERFECT FOR:

- ✓ Classroom Practice
- ✓ Homework Help
- ✓ Test Preparation
- ✓ Summer Learning
- ✓ On-the-Go Practice

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STRONG SKILLS. BRIGHT FUTURE.

Give your child the tools they need to succeed in math and in life!

Visit testinar.com/math5 for more Grade 5 math resources and practice materials!

TRUSTED BY PARENTS
Quality resources you can trust.

DESIGNED FOR SUCCESS
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SUPPORT YOUR CHILD
Every step of the way.