



6

Nebraska NSCAS Growth



GRADE 5 MATH

PRACTICE TESTS

Complete Standards-Based Practice
— for Grade 5 Math Success —



$$5^2 = 25$$



6 FULL-LENGTH PRACTICE TESTS
Realistic style questions



STANDARDS-BASED PRACTICE
Covers all Grade 5 Math standards

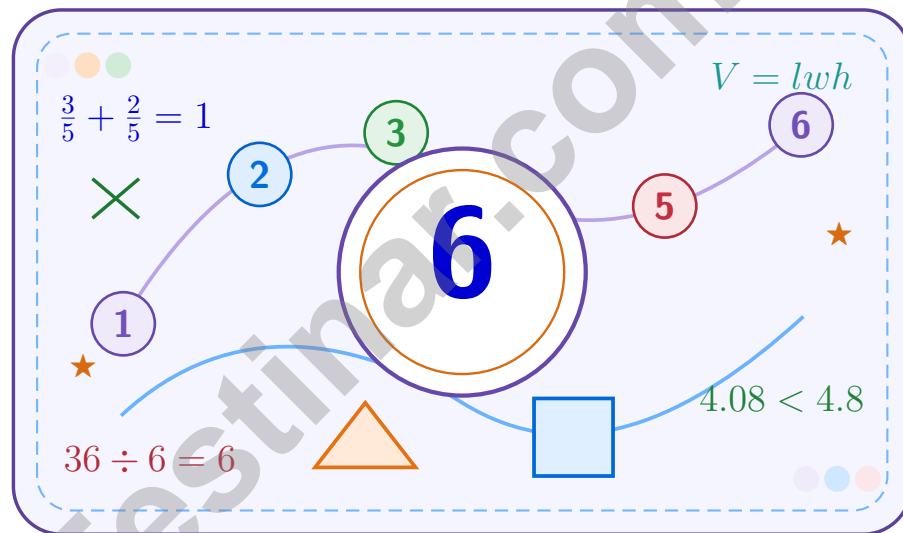


BUILD CONFIDENCE. IMPROVE SCORES.
Target weak areas and achieve success

★ STRONG PRACTICE. BRIGHT FUTURE. ★

6 Nebraska NSCAS Grade 5 Math Practice Tests

A six-step confidence climb with clear review, smart strategy, and practice that gets stronger every round



Six full tests, a focused skill booster, and student-friendly support from start to finish for Grade 5 mathematicians who want to climb higher.

Jay Daie and Reza Nazari



Copyright ©

Testinar Inc



Published by Testinar Inc

Testinar.com

All rights reserved. No part of this publication may be reproduced, distributed, or transmitted in any form or by any means, including photocopying, recording, or other electronic or mechanical methods, without the prior written permission of the author, except in the case of brief quotations embodied in critical reviews and certain other noncommercial uses permitted by copyright law, including Section 107 or 108 of the 1976 United States Copyright Act.

This publication is independently produced and has no official connection to any state, district, or national testing program.

Test names and organizational names used herein are the property of their respective trademark holders.



Copyright ©

Welcome to the Confidence Climb

This book is here to help you practice with purpose and rise step by step

To the Grade 5 Mathematician

This practice book is a place to think, try, fix, and grow. You do not have to be perfect on the first question or the first test. What matters most is careful effort, clear work, and learning from each round of practice.

Use these six 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 fast.

Try

Give each problem your best thinking.

Check

Study mistakes and learn what happened.

Rise

Bring that lesson into the next round.

A strong habit for every page: 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.

How to Use This Book

A simple practice routine that turns six tests into steady growth

Step 1: Warm Up

Start with the quick review.
Spend a few minutes refreshing the ideas before you start a test.

Step 2: Take the Test

Take one full practice test.
Work in a quiet space and let accuracy matter more than speed.

Step 3: Study the Pattern

Check your work honestly.
Circle missed questions and notice patterns in the mistakes.

Step 4: Learn, Then Retry

Read the explanation and try again.
Learning happens after the test too. Fixing mistakes is one of the smartest parts of practice.

A Six-Week Climb Map

Week	Mission Focus
Week 1	Take Test 1 and review any place-value or operation slips.
Week 2	Take Test 2 and focus on showing neat, easy-to-read work.
Week 3	Take Test 3 and give extra time to fractions or decimals if needed.
Week 4	Take Test 4 and slow down on word problems and units.
Week 5	Take Test 5 and compare your score and habits with earlier rounds.
Week 6	Take Test 6 and finish with calm, careful, confident work that uses everything you practiced before.



Scan me

Test Overview

What this practice book helps students do

These practice tests are designed to help Grade 5 students get comfortable with the kind of thinking used on the Nebraska NSCAS. The goal is bigger than only getting answers right. Students are practicing how to read closely, choose a strategy, solve carefully, and explain their work when needed.

Selected-Response Questions

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

Constructed-Response Questions

Students show their thinking, steps, models, or explanations. Even when unsure, writing what they know can help organize the problem.

Grade 5 Skills You Will Practice Often

- place value, comparing numbers, and rounding
- multi-digit addition, subtraction, multiplication, and division
- fractions, decimals, and mixed numbers
- perimeter, area, volume, and measurement conversions
- coordinate points, patterns, graphs, and tables
- geometry and multi-step word problems

What strong work looks like: the answer is correct, the steps are clear, the labels or units are included, and the final result makes sense.



Table of Contents

★ Practice Test 1	_____	13
★ Practice Test 2	_____	28
★ Practice Test 3	_____	43
★ Practice Test 4	_____	58
★ Practice Test 5	_____	72
★ Practice Test 6	_____	87
Practice Test Answer Keys	_____	103
Practice Test Answers and Explanations	_____	107

Grade 5 Mathematics

1

Questions: 40 Duration: No time limit

Calculator Policy: Calculators are not allowed



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)

1 centimeter (cm) = 10 millimeters (mm)

1 kilometer (km) = 1,000 meters (m)

CAPACITY

Customary

1 cup (c) = 8 fluid ounces (fl oz)

1 pint (pt) = 2 cups (c)

1 quart (qt) = 2 pints (pt)

1 gallon (gal) = 4 quarts (qt)

Metric

1 liter (L) = 1,000 milliliters (mL)

WEIGHT AND MASS

Customary

1 pound (lb) = 16 ounces (oz)

Metric

1 kilogram (kg) = 1,000 grams (g)

1 gram (g) = 1,000 milligrams (mg)

TIME

1 minute (min) = 60 seconds (sec) 1 week = 7 days

1 hour (hr) = 60 minutes (min) 1 year = 12 months

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



1) Pattern: 64, 32, 16, 8, ... What's next?

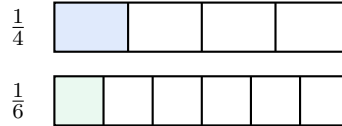
A. 2

C. 6

B. 0

D. 4

2) The models show $\frac{1}{4}$ and $\frac{1}{6}$. What is the sum?



A. $\frac{2}{10}$

C. $\frac{5}{12}$

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

D. $\frac{2}{24}$

3) A rectangular prism has dimensions 7 cm, 6 cm, and 4 cm. What is the volume?

A. 140 cm^3

C. 168 cm^3

B. 160 cm^3

D. 180 cm^3

4) Find the quotient: $58 \div 1,000$.

Record your answer in the space provided.

5) One half yard of ribbon is shared equally among 3 friends. Which division equation finds each share?

A. $3 \div \frac{1}{2} = n$

C. $\frac{1}{2} \times 3 = n$

B. $3 + \frac{1}{2} = n$

D. $\frac{1}{2} \div 3 = n$



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)

1 centimeter (cm) = 10 millimeters (mm)

1 kilometer (km) = 1,000 meters (m)

CAPACITY

Customary

1 cup (c) = 8 fluid ounces (fl oz)

1 pint (pt) = 2 cups (c)

1 quart (qt) = 2 pints (pt)

1 gallon (gal) = 4 quarts (qt)

Metric

1 liter (L) = 1,000 milliliters (mL)

WEIGHT AND MASS

Customary

1 pound (lb) = 16 ounces (oz)

Metric

1 kilogram (kg) = 1,000 grams (g)

1 gram (g) = 1,000 milligrams (mg)

TIME

1 minute (min) = 60 seconds (sec) 1 week = 7 days

1 hour (hr) = 60 minutes (min) 1 year = 12 months

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



1) What is $64 \div 1,000$?

A. 0.64

B. 0.064

C. 0.006

D. 6400

2) Which whole number divided by $\frac{1}{6}$ gives 18?

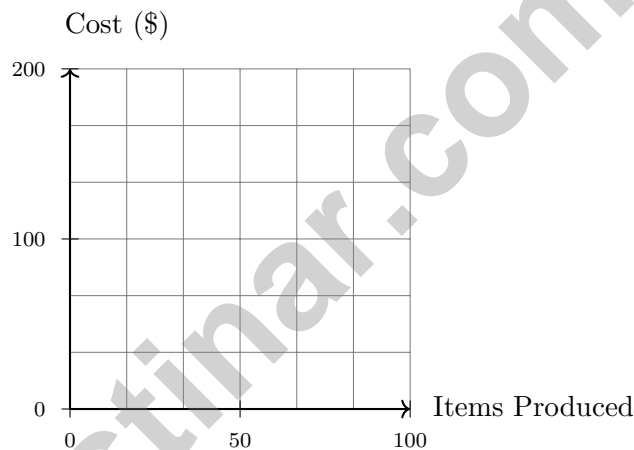
A. 2

B. 3

C. 4

D. 6

3) On a graph showing “Items Produced” vs “Cost,” where would the point (50, 100) be located if the scale is such that items go 0 to 100 and cost goes \$0 to \$200?



A. 50 items produced and cost is \$100

B. 100 items produced and cost is \$50

C. 50 items produced and cost is \$200

D. 100 items produced and cost is \$100

4) Estimate $1,456 \div 48$ using rounding:

A. $1,500 \div 50 = 30$

B. $1,400 \div 40 = 35$

C. $1,500 \div 50 = 40$

D. $1,400 \div 50 = 28$



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)

1 centimeter (cm) = 10 millimeters (mm)

1 kilometer (km) = 1,000 meters (m)

CAPACITY

Customary

1 cup (c) = 8 fluid ounces (fl oz)

1 pint (pt) = 2 cups (c)

1 quart (qt) = 2 pints (pt)

1 gallon (gal) = 4 quarts (qt)

Metric

1 liter (L) = 1,000 milliliters (mL)

WEIGHT AND MASS

Customary

1 pound (lb) = 16 ounces (oz)

Metric

1 kilogram (kg) = 1,000 grams (g)

1 gram (g) = 1,000 milligrams (mg)

TIME

1 minute (min) = 60 seconds (sec) 1 week = 7 days

1 hour (hr) = 60 minutes (min) 1 year = 12 months

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



1) A graph tracks the amount of money saved each week. The point (7, 35) represents how much money was saved after how many weeks?

- A. \$7 after 35 weeks
- B. \$7 saved after 5 weeks
- C. \$42 total
- D. \$35 after 7 weeks

2) The line plot shows temperatures (in degrees Celsius) recorded at different times:



What is the difference between the highest and lowest temperatures recorded?

- A. 6°C
- B. 8°C
- C. 9°C
- D. 10°C

3) How many zeros are in the product of 50×80 ?

- A. 2
- B. 5
- C. 4
- D. 3

4) Look at the pattern: 2, 6, 18, 54, What is the 6th term?

Record your answer in the space provided.



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)

1 centimeter (cm) = 10 millimeters (mm)

1 kilometer (km) = 1,000 meters (m)

CAPACITY

Customary

1 cup (c) = 8 fluid ounces (fl oz)

1 pint (pt) = 2 cups (c)

1 quart (qt) = 2 pints (pt)

1 gallon (gal) = 4 quarts (qt)

Metric

1 liter (L) = 1,000 milliliters (mL)

WEIGHT AND MASS

Customary

1 pound (lb) = 16 ounces (oz)

Metric

1 kilogram (kg) = 1,000 grams (g)

1 gram (g) = 1,000 milligrams (mg)

TIME

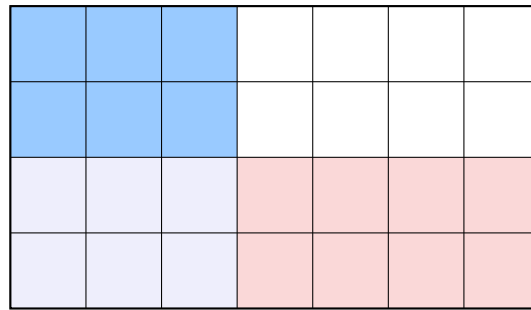
1 minute (min) = 60 seconds (sec) 1 week = 7 days

1 hour (hr) = 60 minutes (min) 1 year = 12 months

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



1) In the area model below, what fraction does the overlap represent?



A. $\frac{3}{7} \times \frac{1}{2}$

C. $\frac{5}{28}$

B. $\frac{3}{7} \times \frac{1}{4}$

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

2) A baker uses $\frac{2}{5}$ of a bag of flour. Which equivalent fraction has denominator 15?

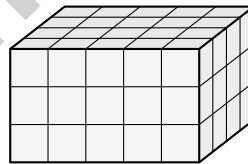
A. $\frac{2}{15}$

C. $\frac{10}{15}$

B. $\frac{6}{15}$

D. $\frac{12}{15}$

3) A prism has a bottom layer of 20 unit cubes. If there are 3 layers stacked, how many cubes in total?



A. 20 unit cubes

C. 23 unit cubes

B. 40 unit cubes

D. 60 unit cubes



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 D is correct.** (5.G.2) Each term is half the previous: $8 \div 2 = 4$.
- 2) **Choice C is correct.** (5.N.3) The first bar model shows $\frac{1}{4}$ and the second bar model shows $\frac{1}{6}$. $\text{LCM}(4,6) = 12$. $\frac{1}{4} = \frac{3}{12}$ and $\frac{1}{6} = \frac{2}{12}$. $\frac{3}{12} + \frac{2}{12} = \frac{5}{12}$.
- 3) **Choice C is correct.** (5.A.1) Volume = $7 \times 6 \times 4 = 42 \times 4 = 168 \text{ cm}^3$.
- 4) **The correct answer is 0.058.** (5.N.2) Dividing by 1,000 moves the decimal point three places left: $58 \rightarrow 0.058$.
- 5) **Choice D is correct.** (5.N.3) The unit fraction is the amount being shared, so divide $\frac{1}{2}$ by 3. The equation is $\frac{1}{2} \div 3 = n$.
- 6) **The correct answer is 0.04.** (5.N.2) Move the decimal point one place left: $0.4 \rightarrow 0.04$.
- 7) **Choice B is correct.** (5.G.1) Four equal sides makes it a rhombus. Without right angles, it cannot be a square.
- 8) **Choice B is correct.** (5.G.4) A is less than $\frac{1}{2}$, B equals $\frac{1}{2}$, C is close to 0, and D is close to 1. So B is closest to $\frac{1}{2}$.
- 9) **Choice D is correct.** (5.G.1) A square is a special rectangle with all sides equal and all angles equal (90°).
- 10) **Choice C is correct.** (5.N.2) $\frac{5}{6} - \frac{2}{6} = \frac{3}{6} = \frac{1}{2}$. Subtract the numerators when denominators are the same, then simplify.
- 11) **Choice A is correct.** (5.N.3) $5 \div \frac{1}{2} = 5 \times 2 = 10$ pieces.
- 12) **The correct answer is 49.** (5.N.3) $24 \times 50 = 1,200$ is too big. Try $24 \times 49 = 1,176$ exactly. Quotient: 49.
- 13) **Choice D is correct.** (5.D.2) The base area is $8 \times 6 = 48$ square inches. Since $288 \div 48 = 6$, the height is 6 in.
- 14) **Choice C is correct.** (5.D.2) A square has 4 equal sides. If each side is 9 meters, the perimeter is $9 + 9 + 9 + 9$, or 4×9 .
- 15) **Choice D is correct.** (5.G.1) All have 45 ones. Tenths: 45.506 has 5, 45.56 has 5, 45.065 has 0. Between first two, hundredths: 45.506 has 0, 45.56 has 6. So $45.56 > 45.506 > 45.065$.
- 16) **Choice C is correct.** (5.D.2) Three copies of 20 are greater than two copies, one copy, or half of one copy.
- 17) **Choice D is correct.** (5.G.2) Game A inventory is always 5 times Game B: $10 \times 5 = 50$, $20 \times 5 = 100$, $30 \times 5 = 150$, $40 \times 5 = 200$.
- 18) **Choice C is correct.** (5.N.2) $10^3 = 1000$, so $9 \times 1000 = 9 \times 10^3$.
- 19) **Choice D is correct.** (5.G.1) A rectangle is a quadrilateral, and its opposite sides are parallel.
- 20) **Choices A, B are correct.** (5.A.1) In an area model, multiply the side lengths to find the shaded overlap. Choice C miscounts the equal parts, and D confuses addition with area.
- 21) **Choice D is correct.** (5.N.3) Start with one unit fraction, $\frac{1}{2}$, and share it into 4 equal parts. Each part is $\frac{1}{2} \div 4 = \frac{1}{8}$ of the whole.
- 22) **Choice B is correct.** (5.G.2) Check: (3, 9) has second coordinate $3 \times 3 = 9$. The other points do not have a second coordinate that is 3 times the first.
- 23) **Choice A is correct.** (5.D.2) Use the rectangular-prism volume formula: $5 \times 5 \times 2 = 50$. So the volume is 50 cubic centimeters.
- 24) **Choice C is correct.** (5.N.2) $\frac{3}{5} \times 50 = \frac{3 \times 50}{5} = \frac{150}{5} = 30$ gallons.
- 25) **The correct answer is $3\frac{1}{3}$.** (5.N.3) Convert the mixed numbers: $2\frac{2}{3} = \frac{8}{3}$ and $1\frac{1}{4} = \frac{5}{4}$. Multiply to get $\frac{40}{12}$, which simplifies to $\frac{10}{3} = 3\frac{1}{3}$.
- 26) **Choice B is correct.** (5.G.3) Since 1 pound = 16 ounces, divide 16 by 8: $16 \div 8 = 2$ packages.
- 27) **Choice D is correct.** (5.N.3) Check each row of 56.789: nearest whole — tenths digit is 7, so 56 rounds up to 57 (correct); nearest tenth — hundredths digit is 8, so 7 tenths rounds up to 8 tenths, giving 56.8 (correct); nearest hundredth — thousandths digit is 9, so 8 hundredths rounds up to 9 hundredths, giving 56.79 (correct). All three roundings are correct.
- 28) **Choice A is correct.** (5.N.3) The shaded strip is $\frac{1}{5}$ unit wide for each unit of height. With 2 units of height, the area is $2 \times \frac{1}{5} = \frac{2}{5}$ square unit.
- 29) **Choice B is correct.** (5.N.3) “Ten and three tenths” means 10 wholes and 3 tenths: 10.3.



Mission Control Transmission

Greetings, Space Pioneer!

★ Mission accomplished! You've successfully completed six simulated space missions, navigating through challenging mathematical asteroid fields and solving complex orbital calculations like a trained astronaut! Each test was a mission into unknown territory, and you handled every challenge with the precision and focus of a space professional. You're ready for launch! ★

◇ **Here's what astronauts understand:** space missions require years of preparation before the actual launch. They simulate every possible scenario, practice emergency procedures, and develop automatic responses to challenges. You've done exactly that through these six tests! You've simulated test conditions, practiced problem-solving under pressure, and developed mathematical instincts that will activate automatically! ◇

Mission Readiness Assessment

- **Systems Check:** All mathematical operations functioning at optimal capacity!
- **Navigation Skills:** You can chart a course through any problem successfully!
- **Problem-Solving Protocol:** You respond to challenges systematically and efficiently!
- **Launch Authorization:** Mission Control approves you for test day deployment!

Remember this space mission protocol: astronauts stay calm in any situation because they've trained for it. When test day arrives, remember that you've already experienced six complete simulations. There's nothing that test can present that you haven't practiced. Stay calm, trust your training, and execute your mission with confidence!

Want to report your mission findings or share zero-gravity problem-solving insights? Transmit your message to reza@testinar.com. Mission Control is standing by!

Reza Nazari & Jay Daie

Your Math Coaches for Strong Reasoning

6 FULL-LENGTH TESTS. ENDLESS POTENTIAL.

PRACTICE TODAY. SUCCEED TOMORROW.

Give your child the tools they need to build strong math skills and test-taking confidence! This book includes **6 full-length practice tests** along with standards-based practice, mixed review, word problems, and a complete answer key.

★★★
PRACTICE
WITH PURPOSE.
ACHIEVE WITH
CONFIDENCE.

WHAT'S INSIDE:



6 FULL-LENGTH PRACTICE TESTS

Realistic tests designed to reflect the actual test format and help build confidence.



STANDARDS-BASED PRACTICE

Covers all essential Grade 5 math standards with clear explanations and examples.



MIXED REVIEW

Reinforces key concepts with a variety of question types and review exercises.



WORD PROBLEMS

Build critical thinking and problem-solving skills with real-world scenarios.



COMPLETE ANSWER KEY

Step-by-step explanations for every question to support learning and growth.



IMPROVE. PRACTICE. ACHIEVE.

Consistent practice leads to stronger skills, higher scores, and greater success.



WHY PRACTICE MAKES A DIFFERENCE



BUILD CONFIDENCE

Feel prepared and ready for any challenge.



IMPROVE ACCURACY

Strengthen skills and reduce careless mistakes.



THINK STRATEGICALLY

Develop problem-solving skills and deepen understanding.



MANAGE TIME

Practice under timed conditions to build stamina.



STAY MOTIVATED

Track progress and celebrate every win.



ACHIEVE SUCCESS

Reach goals and unlock your full potential!



Visit testinar.com/math5

for more Grade 5 math resources and practice materials!



Testinar

Smart Practice. Stronger Results.