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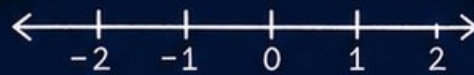
Idaho ISAT



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

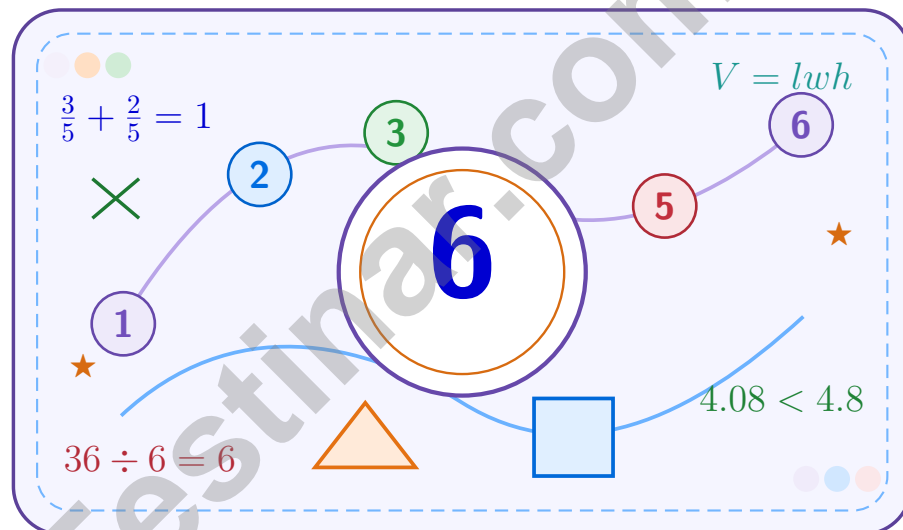


BUILD CONFIDENCE. IMPROVE SCORES.
Target weak areas and achieve success

★ STRONG PRACTICE. BRIGHT FUTURE. ★

6 Idaho ISAT 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



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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 Idaho ISAT. 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

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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)

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TIME

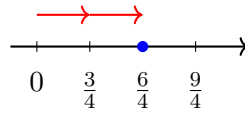
1 minute (min) = 60 seconds (sec) 1 week = 7 days

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

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



1) Number line with $\frac{3}{4}$ repeated:



This shows $2 \times \frac{3}{4}$. What is the answer?

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

C. $\frac{5}{4}$

B. $\frac{6}{8}$

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

2) The model shows 3 wholes, with each whole cut into pieces of size $\frac{1}{2}$. How many pieces of size $\frac{1}{2}$ are there in all?

1 whole

1 whole

1 whole

3 wholes, each cut into pieces of size $\frac{1}{2}$

A. 5

C. 6

B. 2

D. 3

3) Make a line plot for these measurements: $\frac{1}{8}, \frac{1}{4}, \frac{1}{4}, \frac{3}{8}, \frac{3}{8}, \frac{3}{8}, \frac{1}{2}$. Which value will have the most X's?

Record your answer in the space provided.



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1) Evaluate: $(18 \div 3) + (2 \times 7)$

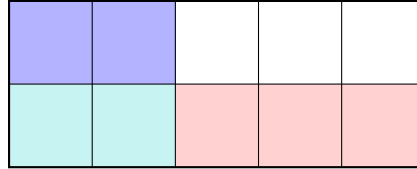
A. 19

B. 63

C. 42

D. 20

2) The area model below shows $\frac{2}{5}$ of $\frac{1}{2}$. What product is shown by the overlap?



A. $\frac{2}{5}$

B. $\frac{1}{10}$

C. $\frac{1}{5}$

D. $\frac{3}{10}$

3) A car uses 0.08 gallons of gas per mile. How many gallons does it use over 145 miles?

Record your answer in the space provided.

4) Compare: $(8 \times 12) \times 5$ $8 \times (12 \times 5)$

A. >

B. <

C. =

D. Cannot tell



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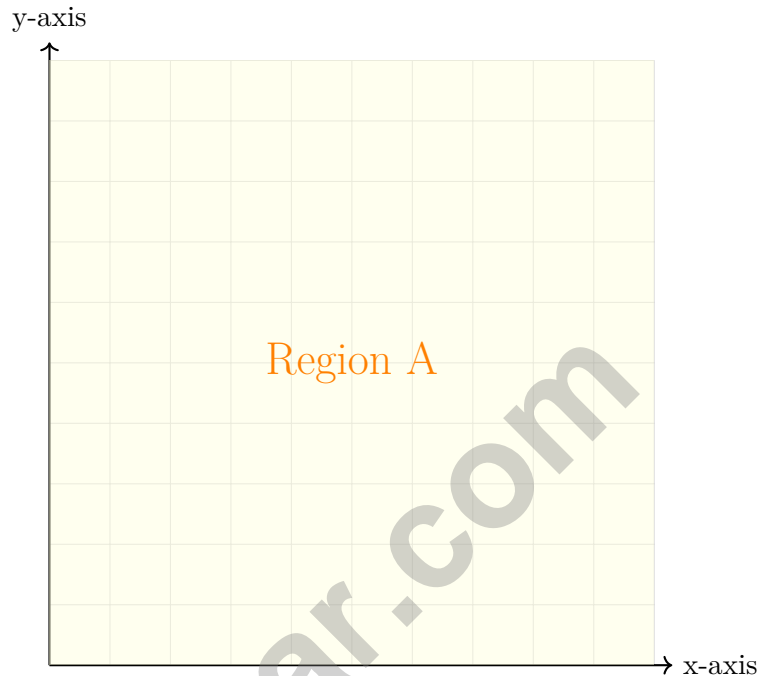
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- 1) The shaded region is to the right of the y-axis and above the x-axis. Which point could be located in this region?



- A. (4, 6) C. (4, 0)
- B. (0, 6) D. (0, 0)
- 2) A rectangular prism has length 9 cm, width 4 cm, and height 3 cm. What is its volume?
- A. 27 cm^3 C. 108 cm^3
- B. 36 cm^3 D. 216 cm^3
- 3) Find: $5 \times \frac{2}{3}$.

Record your answer in the space provided.



Grade 5 Mathematics Reference Materials

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1) A rectangular container has base area 72 cm^2 and volume 432 cm^3 . What is the height?

A. 5 cm

C. 7 cm

B. 8 cm

D. 6 cm

2) Which statement is true?

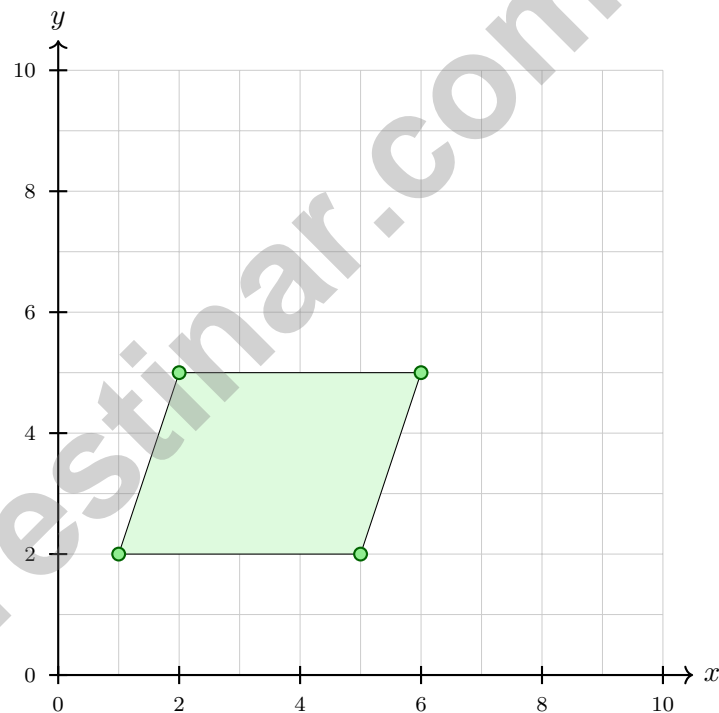
A. $0.5 \neq 0.50$

C. $0.5 > 0.50$

B. $0.5 < 0.50$

D. $0.5 = 0.50$

3) A parallelogram has vertices at $(1, 2)$, $(5, 2)$, $(6, 5)$, and $(2, 5)$. What is the length of the bottom side?



A. 3 units

C. 5 units

B. 4 units

D. 6 units



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.NF.B.4) Two jumps of $\frac{3}{4}$ each: $2 \times \frac{3}{4} = \frac{6}{4} = 1\frac{1}{2}$ (simplified).
- 2) **Choice C is correct.** (5.NF.B.6) Each whole contains 2 pieces of size $\frac{1}{2}$. With 3 wholes, there are $3 \times 2 = 6$ pieces.
- 3) **The correct answer is $\frac{3}{8}$.** (5.MD.B.2) The line plot should show one X at $\frac{1}{8}$, two X's at $\frac{1}{4}$, three X's at $\frac{3}{8}$, and one X at $\frac{1}{2}$. The value $\frac{3}{8}$ appears 3 times, which is more than any other value.
- 4) **Choice C is correct.** (5.NF.B.6) Ask, "How many fourths are in 2?" Since $2 \div \frac{1}{4} = 2 \times 4 = 8$, there is enough clay for 8 projects.
- 5) **The correct answer is 720000.** (5.NBT.A.2) Use $8 \times 9 = 72$. The factors 80 and 9,000 have four zeros total, so the product is 720,000.
- 6) **Choice B is correct.** (5.MD.A.1) Since 1 pound = 16 ounces, divide 16 by 8: $16 \div 8 = 2$ packages.
- 7) **Choice C is correct.** (5.MD.C.4) $V = B \times h = 24 \times 5 = 120$ in³. The height is 5 inches, so the answer must be in cubic inches.
- 8) **Choice A is correct.** (5.OA.A.1) Because 5 cookies were broken on each tray, find the unbroken cookies per tray first: $24 - 5 = 19$. With 3 trays, the expression is $3 \times (24 - 5)$.
- 9) **Choice B is correct.** (5.NF.B.6) Multiply numerators and denominators: $\frac{1 \times 1}{2 \times 3} = \frac{1}{6}$.
- 10) **Choice C is correct.** (5.MD.C.5) The marks show 3 boards at $\frac{1}{2}$ ft, 2 boards at $1\frac{1}{2}$ ft, 3 boards at $2\frac{1}{2}$ ft, and 1 board at 3 ft. Total: $(\frac{1}{2} \times 3) + (1\frac{1}{2} \times 2) + (2\frac{1}{2} \times 3) + (3 \times 1) = 1\frac{1}{2} + 3 + 7\frac{1}{2} + 3 = 15$ feet.
- 11) **Choice B is correct.** (5.G.A.2) Look at the y-coordinates. Point (6, 4) has y-coordinate 4, and point (3, 8) has y-coordinate 8. Since 8 is greater than 4, (3, 8) is farther up from the x-axis.
- 12) **Choice A is correct.** (5.NF.A.2) Removed: $\frac{1}{5} + \frac{2}{7} = \frac{7}{35} + \frac{10}{35} = \frac{17}{35}$. Remaining: $1 - \frac{17}{35} = \frac{18}{35}$ cup.
- 13) **The correct answer is 4.** (5.G.B.4) A square is a quadrilateral, a rectangle, a rhombus, and a parallelogram.
- 14) **The correct answer is $3 \times (9 + 12)$.** (5.OA.A.2) The words "the sum of 9 and 12" mean $9 + 12$ should be grouped before multiplying by 3.
- 15) **Choice A is correct.** (5.G.A.1) Pattern R is 5 times Pattern S: $2 \times 5 = 10$, $4 \times 5 = 20$, $6 \times 5 = 30$, $8 \times 5 = 40$.
- 16) **Choice C is correct.** (5.NF.A.2) The denominator 10 is multiplied by 3 to make 30. Multiply the numerator by 3: $\frac{9}{10} = \frac{27}{30}$.
- 17) **Choice A is correct.** (5.NBT.B.6) $27 \times 30 = 810$; $819 - 810 = 9$. So the quotient is 30 with remainder 9.
- 18) **Choice B is correct.** (5.G.B.4) The defining property of a parallelogram is that both pairs of opposite sides are parallel. Opposite sides of a parallelogram are also equal in length.
- 19) **Choices A, B are correct.** (5.OA.B.3) The 5th term is 16, and every pair of consecutive terms differs by 3. C should be 31, and D misnames the rule because this is an additive pattern.
- 20) **Choice D is correct.** (5.G.A.2) The points are (2, 2), (4, 4), (6, 6), and (8, 8). The fourth point is (8, 8).
- 21) **The correct answer is 12.** (5.MD.A.1) Convert meters to centimeters before dividing. Since 3 m is 300 cm and each piece is 25 cm, $300 \div 25 = 12$ pieces.
- 22) **Choice B is correct.** (5.G.A.2) Both points share the same y-coordinate (2), so they lie on a horizontal line. The distance is $9 - 5 = 4$ blocks east.
- 23) **Choice A is correct.** (5.MD.C.4) Use the rectangular-prism volume formula: $10 \times 3 \times 4 = 120$. So the volume is 120 cubic centimeters.
- 24) **Choice A is correct.** (5.NBT.A.2) A is 150 cm, B is 15 cm, C is 1.5 cm. The largest is 150 cm.
- 25) **Choice C is correct.** (5.NBT.A.3) The hundredths place is the second position to the right of the decimal point. In 2.536, the hundredths digit is 3.
- 26) **Choice C is correct.** (5.NF.B.6) The model counts fourth-size pieces inside 1 whole. So the matching equation is $1 \div \frac{1}{4} = n$.
- 27) **Choice C is correct.** (5.NBT.A.2) Dividing the length by 10: $32.5 \div 10 = 3.25$ cm. Each piece is 3.25 cm.
- 28) **Choice D is correct.** (5.MD.C.4) Multiply the three dimensions: $11 \times 7 \times 4 = 308$ cm³.



Greetings, Master Architect!

★ Magnificent construction work! You've designed and completed six comprehensive practice test structures, carefully planning each solution and building solid mathematical foundations like a skilled architect! Every problem required you to visualize the final answer, create a strategic plan, and construct your solution step by step. That structured thinking is your greatest asset! ★

◇ **Here's what master architects know:** before constructing anything magnificent, they create detailed blueprints and study them carefully. You've done exactly that through these six tests! You've blueprinted strategies for every problem type, and now those plans are stored in your architectural library. On test day, you'll simply pull out the right blueprint and build your solution with confidence! ◇

Architectural Achievements Completed

- **Foundation Skills:** Your mathematical base is rock-solid and unshakeable!
- **Structural Planning:** You organize information efficiently before constructing solutions!
- **Quality Control:** You inspect your work carefully, ensuring structural integrity!
- **Design Mastery:** You can visualize solutions and execute plans with precision!

Remember this architectural principle: the strongest buildings have the strongest foundations! Six complete practice tests have given you an incredibly strong foundation. You've reinforced your skills, tested your structures, and proven everything holds firm. Test day is your ribbon-cutting ceremony; time to showcase your masterpiece!

Want to share your architectural designs or discuss a particularly elegant solution structure? Send your blueprints to reza@testinar.com. I admire well-designed mathematical constructions!

Reza Nazari & Jay Daie

Your Math Coaches (Check, Fix, Grow)

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.