

4

COMPLETE

Idaho ISAT

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



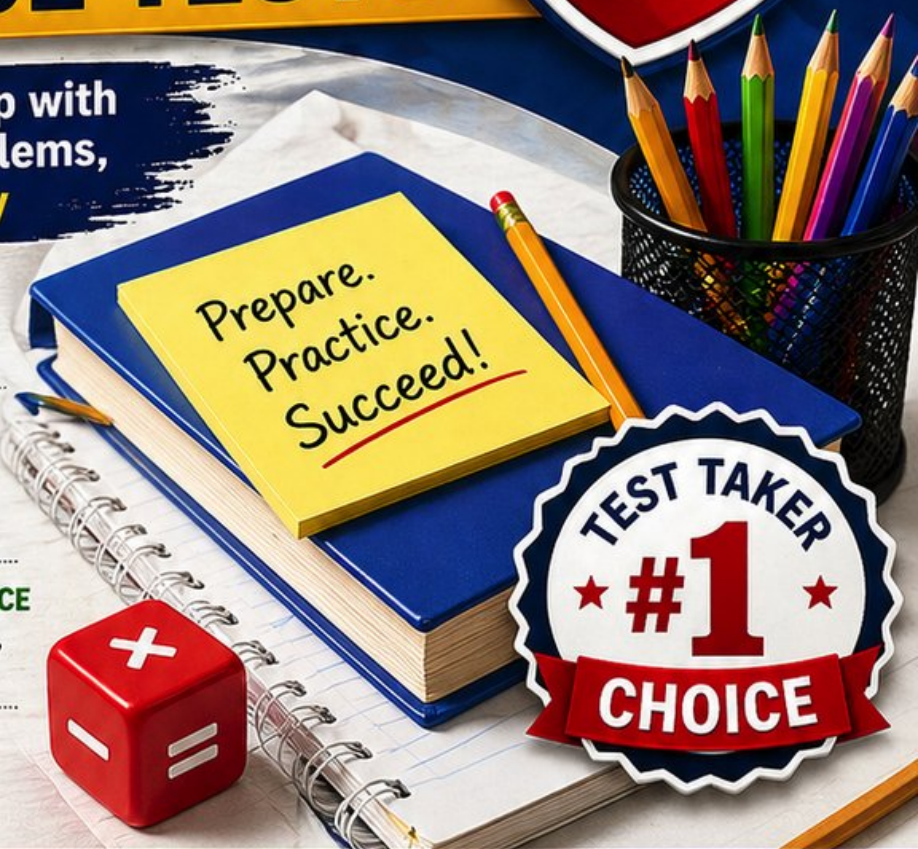
- ✓ **COVERS ALL ESSENTIAL TOPICS**
Numbers & Operations, Fractions, Decimals, Geometry, Measurement, Data & Probability, and more



- ✓ **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



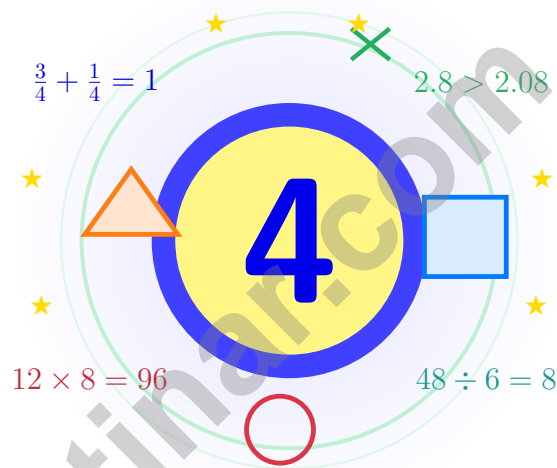
PERFECT FOR
CLASSROOM,
HOME, OR
SELF-STUDY



ALIGNED TO
IDAHO
STATE STANDARDS
(ISAT)

4 Idaho ISAT Grade 5 Math Practice Tests

Four practice tests, four growth checks, one calm routine



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

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 ©

Idaho Mathematicians, Step into Mission Control

A four-test adventure built for steady, brave thinking

An Invitation to Grade 5 in Idaho

This book gives you four chances to read closely, solve carefully, and level up your math thinking. Math is like a gem in raw rock – it shines once you take the time to chip carefully and look closely.

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.

Read Slow

Read each word twice and underline what is asked.

Choose Smart

Pick the operation, model, or sketch that fits.

Grow

Use missed questions as clues for what to learn next.

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

Testinar.com



Scan me



A Simple Path Through Four Tests

A four-step routine that turns practice into real improvement

Step 1: Warm Up

Sharpen your math brain with the quick review.

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

Step 2: Mission Run

Take a full practice test in a calm spot.

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

Step 3: Debrief

Score honestly and circle missed questions.

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

Step 4: Repair Kit

Fix the missed work and lock the lesson in.

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



Table of Contents

★ Practice Test 1	_____	19
★ Practice Test 2	_____	34
★ Practice Test 3	_____	51
★ Practice Test 4	_____	64
Practice Test Answer Keys	_____	81
Practice Test Answers and Explanations	_____	84

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 bag has 4 pounds of rice. Each container holds one third pound. Which division equation matches the situation?

A. $\frac{1}{3} \div 4 = n$

B. $4 \times \frac{1}{3} = n$

C. $4 + \frac{1}{3} = n$

D. $4 \div \frac{1}{3} = n$

- 2) What is the least common denominator for $\frac{5}{6}$ and $\frac{1}{9}$?

A. 54

B. 15

C. 18

D. 6

- 3) Find: 7×10^5 .

Record your answer in the space provided.

- 4) Without computing, which product is larger: $6 \times \frac{5}{4}$ or $6 \times \frac{5}{6}$?

A. $6 \times \frac{5}{4}$ is larger

B. $6 \times \frac{5}{6}$ is larger

C. They are equal

D. Cannot compare

- 5) Triangle P has side lengths 6 cm, 6 cm, and 8 cm. Classify Triangle P by its sides.

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

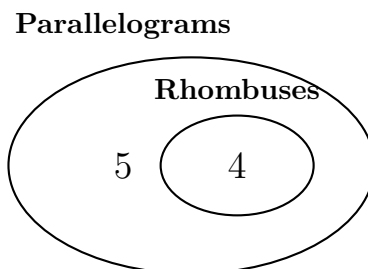
1 minute (min) = 60 seconds (sec) 1 week = 7 days

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

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



- 1) A Venn diagram shows rhombuses inside parallelograms:



Why are rhombuses placed inside the parallelogram circle?

- A. Every rhombus has two pairs of parallel sides.
- B. Every parallelogram has four equal sides.
- C. Every rhombus has exactly three sides.
- D. No rhombus is a quadrilateral.
- 2) Subtract: $9\frac{7}{10} - 5\frac{2}{10}$
- A. $4\frac{5}{10}$
- B. $4\frac{6}{10}$
- C. $4\frac{4}{10}$
- D. $4\frac{3}{10}$
- 3) Which expanded form matches 7.84?
- A. $7 + 8 + 4$
- B. $7 + 0.8 + 0.4$
- C. $7 + 0.08 + 0.4$
- D. $7 + 0.8 + 0.04$
- 4) Without multiplying exactly, will $\frac{7}{6} \times 8$ be greater than, less than, or equal to 8? Explain briefly, then find the product. Record both the comparison and the product.

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) Which prism has volume 252 in^3 ?
- A. Base 20 in^2 , height 12 in C. Base 28 in^2 , height 8 in
 B. Base 42 in^2 , height 5 in D. Base 36 in^2 , height 7 in
- 2) Which whole number divided by $\frac{1}{4}$ gives 28?
- A. 4 C. 14
 B. 7 D. 21
- 3) A student models $2\frac{1}{3} \times 2$ as two groups of $2\frac{1}{3}$. The student gets $4\frac{1}{3}$ instead of $4\frac{2}{3}$. Which error did the student make?
- A. Forgot to simplify D. Only multiplied the whole-number part by 2
 B. Multiplied the fractional part by 2 only
 C. Added instead of multiplying
- 4) A $\frac{1}{2}$ -pound block of cheese is divided into 4 equal portions. How heavy is each portion?

Record your answer in the space provided.

- 5) Multiply $\frac{2}{3} \times \frac{3}{4}$. Which choice shows the product in simplest form?
- A. $\frac{5}{7}$ C. $\frac{8}{12}$
 B. $\frac{6}{7}$ D. $\frac{1}{2}$



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) Identify the error: Maya writes the decimal 0.91 as “ninety-one tenths”. Explain why this is wrong.

- A. There is no error; Maya is correct
- B. The correct reading is “nine ones and one tenth”
- C. Maya should have said “zero point ninety-one”
- D. 0.91 has two digits, so it should be read as hundredths, not tenths

2) Estimate each expression. Which sum is closest to 1?

- A. $\frac{1}{15} + \frac{2}{17}$
- B. $\frac{1}{2} + \frac{1}{3}$
- C. $\frac{7}{8} + \frac{6}{7}$
- D. $\frac{9}{10} + \frac{8}{9}$

3) What is the best unit for measuring the volume of a sugar cube?



Sugar cube

- A. Cubic meters
- B. Cubic kilometers
- C. Cubic feet
- D. Cubic centimeters

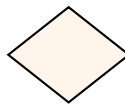
4) Look at the shapes below. Which shape has two pairs of parallel sides, all sides the same length, and no right angles?



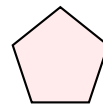
Shape A



Shape B



Shape C



Shape D

- A. Shape A
- B. Shape B
- C. Shape C
- D. Shape D



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

- Choice D is correct.** (5.NF.B.6) Use total amount divided by the size of one piece. The equation is $4 \div \frac{1}{3} = n$.
- Choice C is correct.** (5.NF.A.2) $\text{LCM}(6, 9) = 18$. Both 6 and 9 divide 18.
- The correct answer is 700000.** (5.NBT.A.2) Multiplying by $10^5 = 100,000$ attaches five zeros to the 7: 700,000.
- Choice A is correct.** (5.NF.B.5) $\frac{5}{4} > 1$ and $\frac{5}{6} < 1$. The first product grows (scales up), and the second shrinks (scales down). So $6 \times \frac{5}{4} > 6 \times \frac{5}{6}$.
- The correct answer is isosceles.** (5.G.B.4) Two side lengths are equal, so Triangle P is isosceles.
- Choice D is correct.** (5.G.A.2) The first coordinate, 6, matches the x-axis label: minutes. The second coordinate, 72, matches the y-axis label: cookies baked. So the point means cookies baked is 72 when minutes is 6.
- Choice B is correct.** (5.MD.C.4) The correct formula is $l \times w \times h = 7 \times 5 \times 4 = 140 \text{ m}^3$, not addition.
- Choice A is correct.** (5.NF.B.6) Use division because we are finding how many quarter-pound groups fit in 6 pounds: $6 \div \frac{1}{4} = 24$ displays.
- Choice A is correct.** (5.OA.A.2) Both expressions use the same amount, $(12 + 4)$. Ten copies of that amount are greater than nine copies, so the first expression is greater.
- Choice B is correct.** (5.G.A.2) Point K is 4 units to the right and 1 unit up from the origin, so its coordinates are $(4, 1)$.
- Choice B is correct.** (5.NBT.A.3) $2.54 > 2.45$ because 5 tenths $>$ 4 tenths. The second piece is longer.
- Choice B is correct.** (5.NF.A.1) $\text{LCM}(12, 3) = 12$. $\frac{1}{3} = \frac{4}{12}$, $\frac{5}{12} + \frac{4}{12} = \frac{9}{12} = \frac{3}{4}$.
- Choice D is correct.** (5.OA.A.2) The tree shows 15 and 3 being added inside $(15 + 3)$. The multiplication is by 2, so there is no product of 15 and 3 in this expression.
- Choice B is correct.** (5.NF.B.6) $\frac{3}{8} \times \frac{2}{5} = \frac{3 \times 2}{8 \times 5} = \frac{6}{40}$, which simplifies to $\frac{3}{20}$.
- Choice B is correct.** (5.NBT.A.2) $18 \times 10^4 = 18 \times 10000 = 180000$ artifacts.
- Choice D is correct.** (5.MD.A.1) Convert all: 5 km = 5,000 m, 500 m = 500 m, 50 cm = 0.5 m, 5 mm = 0.005 m. Order: 5 mm $<$ 50 cm $<$ 500 m $<$ 5 km.
- Choice A is correct.** (5.NF.B.6) $4\frac{2}{5} = \frac{22}{5}$. Then $\frac{22}{5} \times 2 = \frac{44}{5} = 8\frac{4}{5}$.
- Choice C is correct.** (5.NF.B.4) Two groups of $\frac{3}{8}$ give $\frac{6}{8}$. Since both 6 and 8 can be divided by 2, $\frac{6}{8} = \frac{3}{4}$.
- The correct answer is $3\frac{5}{8}$.** (5.NF.A.1) $6\frac{1}{4} = 6\frac{2}{8} = 5\frac{10}{8}$. Subtract: $(5 - 2) + (\frac{10}{8} - \frac{5}{8}) = 3\frac{5}{8}$.
- Choices A, B are correct.** (5.NF.A.2) Any common multiple of 4 and 6 works. Both 12 and 24 are multiples of 4 and 6. The numbers 10 and 9 are not multiples of both 4 and 6.
- Choice C is correct.** (5.MD.C.4) The prism is only 1 unit tall, so it has one layer. The layer has $7 \times 2 = 14$ unit cubes.
- Choice A is correct.** (5.MD.C.5) Area = $\frac{3}{4} \times \frac{2}{5} = \frac{6}{20}$ square meters, and $\frac{6}{20} = \frac{3}{10}$ square meters.
- Choice A is correct.** (5.MD.C.4) $V = B \times h = 28 \times 11 = 308 \text{ ft}^3$.
- Choice D is correct.** (5.NF.B.5) $\frac{4}{4} = 1$, so $15 \times \frac{4}{4} = 15 \times 1 = 15$. Pair A differs by 2, and Pair C differs by 3.
- Choice C is correct.** (5.MD.C.4) Compute each volume: P = $5 \times 4 \times 6 = 120$; Q = $10 \times 3 \times 5 = 150$; R = $8 \times 6 \times 2 = 96$; S = $4 \times 4 \times 6 = 96$. Only R and S have the same volume (96 cubic units).
- Choice B is correct.** (5.G.A.1) Each value in Pattern Y is double the matching value in Pattern X: $3 \times 2 = 6$, $6 \times 2 = 12$, and $9 \times 2 = 18$.
- Choice D is correct.** (5.MD.C.5) Count the puppies first: $1 + 2 + 2 + 3 + 1 = 9$ puppies. Each puppy gets $\frac{1}{2}$ cup, so $9 \times \frac{1}{2} = 4\frac{1}{2}$ cups.
- Choice A is correct.** (5.NF.B.6) This asks for $\frac{1}{2}$ of $\frac{3}{4}$ pound, so multiply: $\frac{1}{2} \times \frac{3}{4} = \frac{3}{8}$ pound.
- Choice B is correct.** (5.MD.A.1) Each foot has 12 inches. $25 \times 12 = 300$, so 25 feet equals 300 inches.
- Choice C is correct.** (5.G.B.3) A rectangle (with unequal sides) cannot be regular because a regular polygon must have all sides equal and all angles equal. Shape C is a non-square rectangle.



Champion's Training Log

Dear Math Champion,

◇ Look at what you did. 4 full practice tests. Hundreds of math problems. Every one of them strengthened your mind. You walked into this prep series as a learner, and you are walking out as a math athlete who knows how to compete. ◇

★ **What champions know:** talent is helpful, but training is everything. You trained. You showed up. You did the work. That is why your skills are sharp today. ★

Champion's Skill Card

- **Focus:** MAXED OUT! You can lock onto a problem and stay there.
- **Speed:** CALIBRATED! You move quickly without rushing.
- **Accuracy:** HIGH! You catch your own mistakes.
- **Mindset:** CHAMPION-LEVEL! You believe in your skills.

Final champion tip: on test day, walk in like you have trained for it—because you have. Sit down. Breathe. Read carefully. Work steadily. Check confidently. You will be amazed at how prepared you actually are.

If you want to share a proud moment or ask a question, please email me at jay@testinar.com. I'd love to hear from you!

Jay Daie

Your Math Coaches (Champion-in-Training)

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



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



Testinar

Smart Practice. Stronger Results.