

# 3

# Idaho ISAT

## GRADE 3

# MATH PRACTICE TESTS

Standards-Aligned  
Practice for Stronger  
Math Skills and  
Test Readiness



Build Confidence  
with Targeted Practice



Strengthen Skills  
in Key Math Concepts



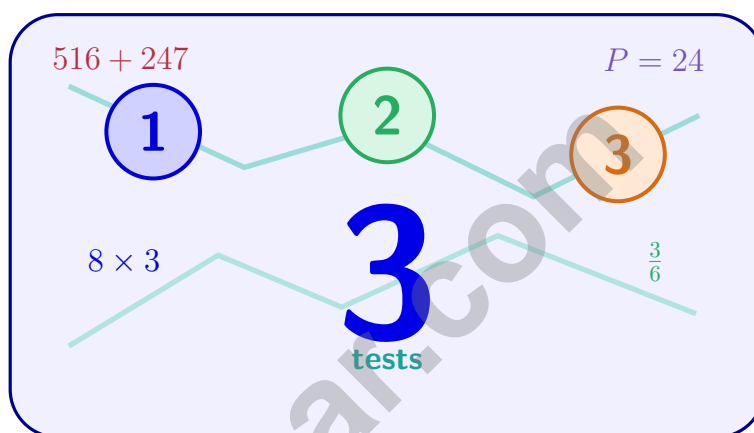
Improve Test Readiness  
with Realistic Practice

Be Ready.  
Do Your Best!



# 3 Idaho ISAT Grade 3 Math Practice Tests

*Standards-Aligned Practice for Stronger Math Skills and Test Readiness*



Three 30-question trail tests packed with Grade 3 review, Idaho ISAT strategy tips, answer keys, and step-by-step explanations that turn every miss into the next move.

**Jay Daie and Reza Nazari**



# Copyright ©

## Testinar Inc



Published by Testinar Inc

[Testinar.com](http://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 Idaho Math Trail

Three tests, one trail, and a stronger Grade 3 thinker at the end



## To the Grade 3 Trail Scout

This book is your practice trail for the Idaho ISAT. You will multiply and divide, read graphs, work with fractions, measure time, find area, and explain your thinking – one trail marker at a time.

Some problems will feel quick, like a clear stretch of wide open trail. Some will ask you to slow down, draw, count, or try again. That slow part is where strong math grows. Every page gives your brain another chance to spot, choose, and build.

### Spot

Read carefully and find what the problem is really asking.

### Sketch

Use numbers, arrays, number lines, or labels to make your thinking visible.

### Signal

Check that your answer makes sense before you wave the next question on.

**Trail promise:** I will read like a tracker, sketch like a planner, and check like a careful scout. I do not have to be perfect to keep moving forward.

# How to Use This Book

A four-step trail plan that turns practice into progress

## Step 1: Pack Your Pack

**Read the Quick Review first.**  
Wake up the Grade 3 ideas you will need before you set foot on the trail.

## Step 2: Hit the Trail

**Take one full test.**  
Thirty questions. Pencil sharp, work shown, calm pace – one marker at a time.

## Step 3: Campfire Check

**Check answers honestly.**  
Circle missed questions. Star any problem that felt confusing – those are tomorrow’s clues.

## Step 4: Track Back

**Fix a few mistakes.**  
Read the explanation, rework the problem, and carry that lesson up the next stretch of trail.

## A Three-Week Trail Plan

<b>Week 1</b>	Hike Test 1. Map what feels strong and what needs a second look.
<b>Week 2</b>	Hike Test 2. Sharpen the habits: read slow, sketch the model, label every number.
<b>Week 3</b>	Hike Test 3. Bring everything – facts, models, checks, and calm focus.

**Best trail habit:** Do not only ask, “What did I score?” Ask, “What did I learn how to do better?”



# Test Overview

## What waits on the trail and what each practice test builds

Each practice test has 30 questions. Together they walk you through the kind of math thinking the Idaho ISAT asks Grade 3 students to use: read carefully, choose a strategy, show work, and check whether an answer makes sense.

### Selected-Response Questions

Pick the best answer from the choices. Strong scouts estimate first, cross out answers that cannot be right, and reread the question before circling.

### Open-Ended Questions

Write the answer and show the thinking. A clear response uses neat numbers, helpful labels, and a short model or explanation.

### Grade 3 Ideas You Will Meet on the Trail

- multiplication, division, arrays, equal groups, and fact fluency
- rounding, adding, subtracting, and multiplying by multiples of 10
- fractions, number lines, equivalent fractions, and comparing fractions
- time, mass, liquid volume, picture graphs, bar graphs, and line plots
- area, perimeter, unit squares, rectangles, and shapes
- two-step word problems and explaining a solution path

**What strong ISAT work looks like:** the scout reads the whole problem, picks a sensible strategy, writes numbers neatly, labels the answer, and checks that the answer truly fits the question.

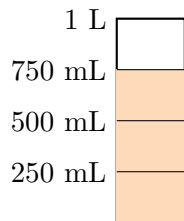


Scan me!  
For more practice  
& answers

+ - ..... 3 ..... × ÷

# Table of Contents

★ Practice Test 1	_____	16
★ Practice Test 2	_____	28
★ Practice Test 3	_____	40
Practice Test Answer Keys	_____	53
Practice Test Answers and Explanations	_____	56

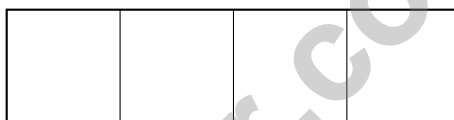


1)

A pitcher is filled to the 750 mL line with orange juice. How many more mL are needed to fill it to 1000 mL?

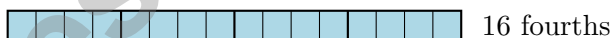
- A. 100 mL                       C. 250 mL  
 B. 200 mL                       D. 500 mL

2) Lily has a sandwich shaped like a rectangle. She cuts it into 4 equal pieces to share with friends. What fraction is each piece?



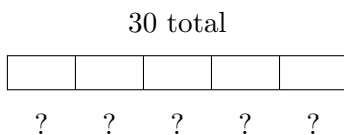
- A.  $\frac{1}{3}$                                    C.  $\frac{2}{4}$   
 B.  $\frac{1}{4}$                                    D.  $\frac{4}{4}$

3) The bar is divided into fourths. It shows  $\frac{16}{4}$ . How many whole units?



- A. 1                                       C. 4  
 B. 16                                     D. 8

4) Which division equation matches this bar model showing 30 split into 5 equal parts?



- A.  $30 \times 5 = 150$                        C.  $5 + 6 = 11$   
 B.  $30 - 5 = 25$                          D.  $30 \div 5 = 6$

5) Noah knows that  $7 \times 2 = 14$ . What is  $2 \times 7$ ?

A. 9

C. 16

B. 12

D. 14

6) Ben draws two bars. Bar 1 is divided into 4 equal parts with 2 parts shaded. Bar 2 is divided into 8 equal parts with 4 parts shaded. The bars are the same length. Are the shaded regions the same size?

A. No, Bar 1 is larger.

C. No, Bar 2 is larger.

B. Cannot tell without measuring.

D. Yes, they are the same size.

7) What fraction marks the second tick on a number line split into 6 equal parts?



8) A rectangular kitchen counter is 10 feet long and 3 feet deep. What is the area of the counter?

A. 26 sq ft

C. 13 sq ft

B. 60 sq ft

D. 30 sq ft

9) Is every square also a rectangle?

A. Yes, because a square has 4 sides and 4 right angles

C. No, because a square has more sides

D. Yes, only if it is very large

B. No, because a square has equal sides



Scan me!  
For more practice  
& answers

+ -

19

× ÷

Testinar.com

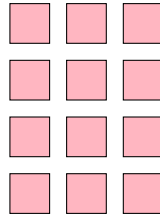


1) Which list shows unit fractions in order from smallest to largest?

- A.  $\frac{1}{2}, \frac{1}{4}, \frac{1}{8}$   
 B.  $\frac{1}{8}, \frac{1}{4}, \frac{1}{2}$

- C.  $\frac{1}{4}, \frac{1}{8}, \frac{1}{2}$   
 D.  $\frac{1}{8}, \frac{1}{2}, \frac{1}{4}$

2)



How many small squares are in this grid?

- A. 15  
 B. 7

- C. 10  
 D. 12

3) On a grid, a rectangle covers 8 rows and 5 columns of unit squares.



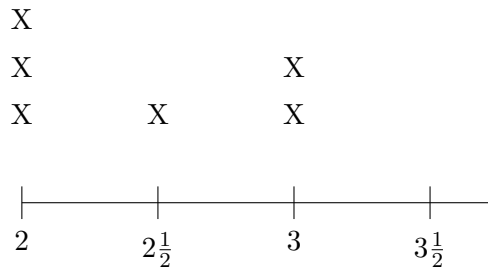
What is the area?

- A. 13 sq units  
 B. 26 sq units

- C. 35 sq units  
 D. 40 sq units



- 4) Sam measured the heights of flower stems in inches. The line plot below shows halves:  
 $2, 2\frac{1}{2}, 3, 3\frac{1}{2}$ .



What is the most common stem height?

- |   |   |
|---|---|
| <input type="checkbox"/> A. 2 inches              | <input type="checkbox"/> C. 3 inches              |
| <input type="checkbox"/> B. $2\frac{1}{2}$ inches | <input type="checkbox"/> D. $3\frac{1}{2}$ inches |
- 5) Sam has  $\frac{12}{4}$  yards of ribbon. How many whole yards does he have?
- |                               |                               |
|-------------------------------|-------------------------------|
| <input type="checkbox"/> A. 2 | <input type="checkbox"/> C. 4 |
| <input type="checkbox"/> B. 3 | <input type="checkbox"/> D. 6 |
- 6) Sam reads 24 pages of a book. He reads the same number of pages each day for 6 days. How many pages does he read each day?
- |                                |                               |
|--------------------------------|-------------------------------|
| <input type="checkbox"/> A. 3  | <input type="checkbox"/> C. 5 |
| <input type="checkbox"/> B. 30 | <input type="checkbox"/> D. 4 |
- 7) A pizza shop made 312 pizzas on Friday and 289 pizzas on Saturday. How many pizzas did the shop make in total?
- |                                 |                                 |
|---------------------------------|---------------------------------|
| <input type="checkbox"/> A. 501 | <input type="checkbox"/> C. 511 |
| <input type="checkbox"/> B. 610 | <input type="checkbox"/> D. 601 |

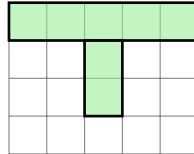


Scan me!  
For more practice  
& answers

1) The school day starts at 8 : 30 AM and ends at 3 : 15 PM. How long is the school day?

- A. 6 hours 30 minutes                       C. 7 hours  
 B. 6 hours 45 minutes                       D. 7 hours 15 minutes

2) A grid shows a T-shaped figure made of unit squares. You can count by columns or by rows.

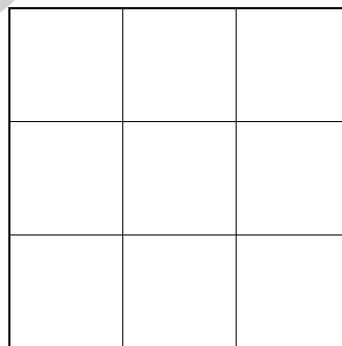


How many unit squares form this T-shape?

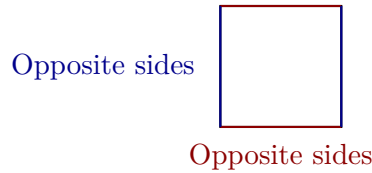
- A. 5 sq units                                       C. 10 sq units  
 B. 7 sq units                                       D. 15 sq units
- 3) A rectangle is covered by 4 rows of 8 unit squares. How many unit squares cover it?

- A. 12 unit squares                               C. 24 unit squares  
 B. 32 unit squares                               D. 36 unit squares

4) A square is divided into a  $3 \times 3$  grid (2 horizontal and 2 vertical lines making 9 equal small squares). What fraction is one small square?



- A.  $\frac{1}{6}$      C.  $\frac{1}{9}$   
 B.  $\frac{1}{8}$      D.  $\frac{1}{4}$



5)

In this square, the dark-red sides are opposite each other, and the dark-blue sides are opposite each other. Are the opposite sides parallel?

- A. No, opposite sides never are
- B. Yes, both pairs of opposite sides are parallel
- C. Only the red sides are parallel
- D. Only the blue sides are parallel

6) How many unit fractions of  $\frac{1}{6}$  are in the total of  $\frac{1}{6} + \frac{1}{6}$ ?

- A. 1
- B. 2
- C. 6
- D. 12

7) If a number line from 0 to 1 is split into 3 equal parts, what fraction marks the first partition?

- A.  $\frac{1}{2}$
- B.  $\frac{1}{3}$
- C.  $\frac{1}{4}$
- D.  $\frac{1}{5}$

8)

Hundreds	Tens	Ones	Total	?
----------	------	------	-------	---

Lily has 3 hundreds, 2 tens, and 6 ones. Her friend gives her 1 hundred, 4 tens, and 7 ones. What is the total?

- A. 473
- B. 503
- C. 513
- D. 523



Scan me!  
For more practice  
& answers

## Practice Test Answer Keys

**How to use this section with a Grade 3 student:**

1. check the answer first
2. mark questions to try again
3. rework the problem before reading the full explanation

**A calm correction routine builds stronger math habits.**

Testinar.com



Scan me!  
For more practice  
& answers

## Practice Test Answers and Explanations

### Practice Test 1 Answers and Explanations

- Choice C is correct.** **(3.MD.A.2)** Subtract:  $1000 - 750 = 250$  mL needed.
- Choice B is correct.** **(3.G.A.2)** Four equal pieces means each piece is  $\frac{1}{4}$  of the sandwich.
- Choice C is correct.** **(3.G.A.2)**  $16 \text{ fourths} \div 4 \text{ fourths per whole} = 16 \div 4 = 4$  wholes.
- Choice D is correct.** **(3.OA.B.6)** A bar model dividing a total into equal parts shows division. 30 split into 5 equal parts means each part is  $30 \div 5 = 6$ .
- Choice D is correct.** **(3.OA.B.5)** The commutative property says you can switch the order of the factors and still get the same answer. So  $2 \times 7 = 7 \times 2 = 14$ .
- Choice D is correct.** **(3.NF.A.2)**  $\frac{2}{4}$  and  $\frac{4}{8}$  are equivalent because both show one-half of the bar shaded. When denominator doubles, the numerator also doubles to maintain the same-size region.
- The correct answer is  $\frac{2}{6}$ .** **(3.NF.A.1)** The second tick out of 6 equal parts is  $\frac{2}{6}$ .
- Choice D is correct.** **(3.MD.D.8)** Area = length  $\times$  width =  $10 \times 3 = 30$  square feet.
- Choice A is correct.** **(3.G.A.1)** A square is a special kind of rectangle that also has all sides equal. Every square has the properties of a rectangle (4 sides, 4 right angles), so every square is a rectangle.
- Choice D is correct.** **(3.OA.D.9)**  $5 \times 6 = 30$ . The pattern is 6, 12, 18, 24, 30, adding 6 each time.
- Choice A is correct.** **(3.NF.A.3)** X is halfway between 0 and  $\frac{1}{3}$ , which is  $\frac{1}{6}$ . Y is between  $\frac{1}{3}$  and 1, at the  $\frac{1}{2}$  mark.
- Choice A is correct.** **(3.MD.D.8)**  $P = 2(10) + 2(4) = 20 + 8 = 28$  in.
- The correct answer is 70 mats.** **(3.MD.C.5)** Count the rows: 7 rows of mats. Count across: 10 mats per row. Total:  $10 + 10 + 10 + 10 + 10 + 10 = 70$  square meter mats are needed.
- Choice D is correct.** **(3.OA.A.3)** Multiply: 6 rows  $\times$  5 columns = 30 squares.
- Choice C is correct.** **(3.NF.A.3)**  $\frac{2}{6}$  and  $\frac{1}{3}$  both equal one-third of a whole.
- Choices C and D are correct.** **(3.MD.C.7)** C and D are both correct because they show the same total area using the distributive property. The second rectangle has area 21 square units and width 3 units, so A and B are false. E is false because the total area is 63, not 105.
- Choice A is correct.** **(3.NF.A.3)** Both rectangles show the same shaded area.  $\frac{3}{4} = \frac{6}{8}$  because  $\frac{3 \times 2}{4 \times 2} = \frac{6}{8}$ .
- Choice D is correct.** **(3.NBT.A.2)** Ones:  $8 + 4 = 12$  (write 2, carry 1). Tens:  $7 + 5 + 1 = 13$  (write 3, carry 1). Hundreds:  $4 + 2 + 1 = 7$ . Answer: 732.
- Choice A is correct.** **(3.NBT.A.1)** The tens digit is 1. Since  $1 < 5$ , round down: 916 rounds to 900.
- Choice C is correct.** **(3.NBT.A.3)**  $6 \times 50 = 300$  is the greatest because  $300 > 280$ ,  $300 > 240$ , and  $300 > 180$ .
- Choice B is correct.** **(3.NF.A.2)** The point is exactly in the middle between  $\frac{2}{6}$  and  $\frac{4}{6}$ , which is  $\frac{3}{6}$ .
- Choice C is correct.** **(3.MD.D.8)**  $5 \times 6 = 30$  square units.
- The correct answer is 9 pencils.** **(3.MD.B.4)** Add all X's:  $2 + 1 + 3 + 2 + 1 = 9$  pencils total.
- Choice B is correct.** **(3.OA.D.8)** Step 1: Divide to find cookies per box:  $54 \div 9 = 6$  cookies per box. Step 2: Multiply sold boxes:  $5 \times 6 = 30$  cookies sold. (Choice A is step 1 only; choice C is incorrect.)
- Choice A is correct.** **(3.NF.A.2)** Four hops of  $\frac{1}{4}$  each =  $4 \times \frac{1}{4} = 1$ . The frog lands at 1.
- Choice B is correct.** **(3.MD.C.6)** Area =  $4 \times 7 = 28$  square inches.
- Choice D is correct.** **(3.OA.A.3)** 8 rows with 5 in each row:  $8 \times 5 = 40$ .
- Choice A is correct.** **(3.OA.A.4)** To find the number of bags, divide the total marbles by the marbles in each bag:  $72 \div 8 = 9$ .
- Choice C is correct.** **(3.MD.B.3)** Multiply:  $4 \times 5 = 20$  pencils.
- Choice C is correct.** **(3.MD.C.5)** Top:  $3 \times 5 = 15$  sq units. Bottom left:  $2 \times 4 = 8$  sq units. Bottom right:  $2 \times 4 = 8$  sq units. Total:  $15 + 8 + 8 = 31$  sq units.

### Practice Test 2 Answers and Explanations

A Quiet Word From Your Mentor

---

Hi, Thoughtful Student,

◇ I want to take a moment to tell you something true: you did excellent work. 3 practice tests is a real promise that you kept to yourself. That matters. ◇

★ **Mentors notice:** growth is quiet. It doesn't shout. But it shows up in how you handle a problem today vs how you did weeks ago. That growth is your real prize. ★

**What I See in You**

- **Hard Work:** You don't quit when problems are tough.
- **Curiosity:** You wonder why and how.
- **Kindness:** You are patient with yourself.
- **Brave Heart:** You try things that scare you.

**Mentor's note:** on test day, treat yourself like you would a friend. Be kind. Be patient. Be encouraging. The skills are inside you!

If you want to share something or ask a question, please email me at [jay@testinar.com](mailto:jay@testinar.com).

**Jay Daie**

Your Math Mentor

# 3 GRADE 3 MATH PRACTICE TESTS

Practice Today. *Succeed* Tomorrow!



Give your child the tools to build strong math skills and test confidence!

This book includes 3 full-length Grade 3 Math practice tests that mirror real test formats and cover all key math standards. With a wide range of question types and real-world problems, students will gain the practice and confidence they need to do their best!

## What's Inside?



### Standards-Aligned Practice

Questions designed to cover essential Grade 3 math standards.



### Variety of Question Types

Multiple-choice, short answer, and more to build well-rounded skills.



### Real-World Applications

Engaging problems that connect math to everyday life.



### Step-by-Step Progress

Track improvement and build confidence with every test.



### Build Skills & Boost Confidence

Strengthen understanding and feel prepared for test day.

## COVERS ALL ESSENTIAL TOPICS

- ✓ Whole Numbers & Operations
- ✓ Fractions & Decimals
- ✓ Algebraic Thinking
- ✓ Geometry
- ✓ Measurement & Data
- ✓ Number Patterns
- ✓ Word Problems
- ✓ Ratio & Proportion
- ✓ Perimeter, Area & Volume
- ✓ Graphing & Data Analysis
- ✓ And More!



More Grade 3 Math Resources & Practice Materials

[testinar.com/math3](https://testinar.com/math3)



**PRACTICE. PREPARE. SUCCEED.**