

+  
★  
**10**

=  
**Idaho**  
**ISAT**



**GRADE 3**

△ **MATH** ▽

÷ **PRACTICE TESTS** =

- ✓ Complete Standards Review
- ✓ Skill Practice
- ✓ Word Problems and Answer Key

2 × 7 + 4



★  
★ ★ ★  
**PREPARE  
PRACTICE  
SUCCEED!**  
★ ★ ★



Aligned to  
Grade 3 Math  
Standards



Build Confidence  
and Master  
Math Skills



Test-Taking  
Practice for  
Success



Answer Key  
for Easy  
Review

# 10 Idaho ISAT Grade 3 Math Practice Tests

*Standards-Aligned Review with Mixed Practice and Answer Key*



Ten complete 30-question Grade 3 practice rounds for ISAT, built around mountain valleys, river maps, and neat model drawing, with answer keys and clear explanations for every item.

**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, Idaho Math Explorer!

Ten steady rounds on the Gem State math route

This book gives you ten full Grade 3 practice tests for ISAT. Each round uses mountain valleys, river maps, and neat model drawing to keep practice memorable while you read carefully, choose a strategy, show work, and check the answer.

## Idaho Practice Promise

I will slow down for the question, circle what matters, solve one step at a time, and use mistakes as clues for getting stronger.

Read

Plan

Check

## How to Use This Book

A ten-session routine for Idaho ISAT review

1. **Preview the skills.** Read the quick review pages before the first test.
2. **Take one test at a time.** Treat each round like a stop on the Gem State math route.
3. **Mark your confidence.** Put a small star beside problems you solved with a strong plan.
4. **Check, then retry.** For missed questions, try the problem again before reading the explanation.
5. **Track your next move.** Use the growth log to name one habit and one skill for the next test.

**Good rhythm:** Test one day, correct carefully the next day, then return for the next round when your corrections feel clear.



## What Is Inside?

Ten tests, 300 questions, and a full ISAT review path

| Part         | What You Will Practice  |
|--------------|---|
| Tests 1–3    | Warm-up rounds for reading carefully, choosing operations, and using models.          |
| Tests 4–6    | Skill-building rounds with fractions, measurement, area, data, and two-step problems. |
| Tests 7–9    | Stamina rounds for mixed review, neat work, and flexible strategies.                  |
| Test 10      | Final round to show growth across the whole Idaho book.                               |
| Answer Pages | Compact keys and explanations that show why each answer works.                        |

The tests are mixed on purpose. Real test readiness means recognizing the skill even when the next question changes topic.



Scan me!  
For more practice  
& answers

# Table of Contents

|   |       |            |
|---|-------|------------|
| ★ Practice Test 1                             | _____ | 14         |
| ★ Practice Test 2                             | _____ | 26         |
| ★ Practice Test 3                             | _____ | 39         |
| ★ Practice Test 4                             | _____ | 52         |
| ★ Practice Test 5                             | _____ | 64         |
| ★ Practice Test 6                             | _____ | 76         |
| ★ Practice Test 7                             | _____ | 87         |
| ★ Practice Test 8                             | _____ | 99         |
| ★ Practice Test 9                             | _____ | 112        |
| ★ Practice Test 10                            | _____ | 127        |
| <b>Practice Test Answer Keys</b>              | _____ | <b>138</b> |
| <b>Practice Test Answers and Explanations</b> | _____ | <b>144</b> |

1) Talia bought 4 packs of sticker sheets. Each pack has 7 sticker sheets. How many sticker sheets did she buy?

- A. 11 sheets                       C. 24 sheets  
 B. 32 sheets                       D. 28 sheets

2) The perimeter of a rectangle is 44 cm. If the width is 7 cm, what is the length?



3) Which shows a correct way to find the total area of an L-shaped figure?

- A. Multiply the length times the width once       C. Multiply the perimeter by 2  
 B. Break it into rectangles and add their areas       D. Count only the longest parts

4) Which shape has an area of 20 square units?

- A. A  $2 \times 8$  rectangle                       C. A  $3 \times 6$  rectangle  
 B. A  $4 \times 5$  rectangle                       D. A  $2 \times 9$  rectangle

5) Which list does NOT follow a skip-counting pattern that adds the same amount each time?

- A. 5, 10, 15, 20, 25                       C. 2, 4, 6, 8, 10  
 B. 3, 6, 9, 12, 15                       D. 1, 2, 4, 7, 11



6) What number makes this true?  $\_ \times 20 = 160$

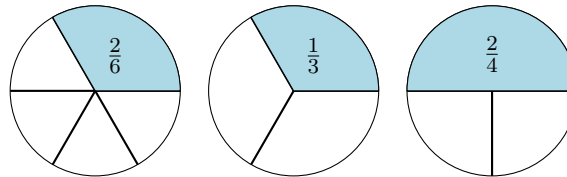
A. 8

C. 80

B. 16

D. 2

7) Look at the pie charts. Select the pair that is equivalent.



A. First and second

C. Second and third

B. First and third

D. All three

8) Sam tiles a rectangle that is 4 tiles long and 3 tiles wide. How many tiles does he use in all?

A. 7

C. 14

B. 12

D. 24

9) Which number rounds to 500 when rounded to the nearest 100?

A. 449

C. 550

B. 560

D. 460

10) Mia finished at 4 : 52 and started 39 minutes earlier. What time did she start?



Scan me!  
For more practice  
& answers

11) Which missing divisor makes this division sentence true?

$$18 \div \_ = 3$$

A. 5

B. 15

C. 21

D. 6

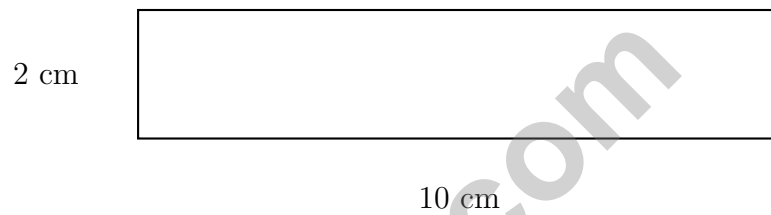
12) What is  $6 \times 7$ ?

A. 36

B. 54

C. 48

D. 42



13)

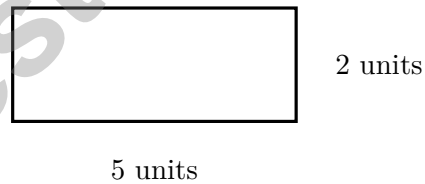
What is the area of this long, narrow rectangle?

A. 12 sq cm

B. 20 sq cm

C. 24 sq cm

D. 40 sq cm



14)

What is the area of this rectangle?

A. 7 sq units

B. 10 sq units

C. 12 sq units

D. 15 sq units



3 meters



10 meters

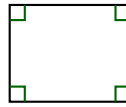
1)

A rectangular walkway is 10 meters long and 3 meters wide. What is the area of the walkway?

 A. 13 sq m

 C. 26 sq m

 B. 30 sq m

 D. 60 sq m


Right angles marked

2)

The corner marks indicate right angles. How many right angles does this quadrilateral have?

 A. 2

 C. 4

 B. 3

 D. 5

3) Sam splits a  $7 \times 5$  rectangle by a horizontal line. One part is  $7 \times 2$ . Which shows the distributive property?

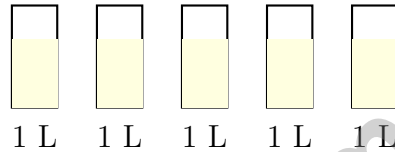
 A.  $7 \times (2 + 3) = (7 \times 2) + (7 \times 3) =$ 
 C.  $2 + 3 = 5$ 
 $14 + 21 = 35$ 
 D.  $7 + 5 = 12$ 
 B.  $7 \times 5 = 35$ 




1) Sofia has 18 flowers. She puts them into 2 equal bouquets. How many flowers are in each bouquet?

- A. 8 flowers                       C. 10 flowers  
 B. 11 flowers                     D. 9 flowers

### Five Bottles of Oil



2)

A grocery store receives a shipment of 5 bottles of olive oil. Each bottle holds 1 liter. How many liters of oil total?

- A. 1 L                                 C. 5 L  
 B. 3 L                                 D. 500 mL

3) Look at these two rectangles. Rectangle A is 2 units by 9 units. Rectangle B is 3 units by 6 units. What is the difference in their areas?

- A. 0 square units                       C. 4 square units  
 B. 2 square units                         D. 6 square units

4) Which fraction is equivalent to  $\frac{1}{3}$ ?

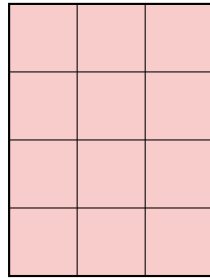
- A.  $\frac{2}{3}$                                        C.  $\frac{3}{3}$   
 B.  $\frac{2}{6}$                                        D.  $\frac{1}{6}$



Scan me!  
For more practice  
& answers

5) Noah goes to the park. He arrives at 3 : 34 PM and leaves at 4 : 19 PM. How long does Noah stay at the park?

- A. 35 minutes
- B. 40 minutes
- C. 45 minutes
- D. 50 minutes



6)

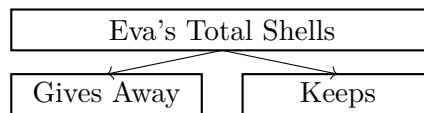
Count all the unit squares in the grid shown. How many are there?

- A. 10 unit squares
- B. 11 unit squares
- C. 12 unit squares
- D. 13 unit squares

7) There are 7 groups of students. Each group has 6 students. How many students are there in total?

- A. 13
- B. 48
- C. 36
- D. 42

8) Eva collects 5 bags with 8 shells in each bag. She gives away 12 shells to her friend. How many shells does Eva keep?



$5 \times 8 = 40$  total  
Subtract 12

- A. 12
- B. 24
- C. 28
- D. 40

## 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 turns every missed item into useful practice.**

Testinar.com



## Practice Test Answers and Explanations

### Practice Test 1 Answers and Explanations

- 1) **Choice D is correct.** **(3.OA.A.1)** 4 packs with 7 sheets each means 4 groups of 7. So  $4 \times 7 = 28$  sheets.
- 2) **The correct answer is 15 centimeters.** **(3.MD.D.8)**  $44 = 2l + 2(7) = 2l + 14$ , so  $2l = 30$  and  $l = 15$  cm.
- 3) **Choice B is correct.** **(3.MD.C.5)** Composite shapes are found by dividing them into non-overlapping rectangles, finding each area, and adding them together. Choice A fails because an L-shape is not a single rectangle. Choices C and D are incorrect methods.
- 4) **Choice B is correct.** **(3.MD.C.5)**  $4 \times 5 = 20$  square units. The other options give:  $2 \times 8 = 16$ ,  $3 \times 6 = 18$ ,  $2 \times 9 = 18$ .
- 5) **Choice D is correct.** **(3.OA.D.9)** List B increases by 1, then 2, then 3, then 4 (no constant rule). The others are skip-count patterns.
- 6) **Choice A is correct.** **(3.NBT.A.3)** Since  $8 \times 20 = 160$ , the missing number is 8. Check:  $8 \times 2 = 16$ , add a zero to get 160.
- 7) **Choice A is correct.** **(3.NF.A.3)**  $\frac{2}{6}$  and  $\frac{1}{3}$  show the same shaded amount. They are equivalent.
- 8) **Choice B is correct.** **(3.MD.D.8)** Multiply length  $\times$  width:  $4 \times 3 = 12$  tiles. Shows tiling result matches multiplication.
- 9) **Choice D is correct.** **(3.NBT.A.1)** Numbers from 450 to 549 round to 500. The number 460 has tens digit  $6 \geq 5$ , so it rounds up to 500.
- 10) **The correct answer is 4 : 13.** **(3.MD.A.1)**  $4 : 52 - 39$  minutes is  $4 : 13$ .
- 11) **Choice D is correct.** **(3.OA.A.2)** If  $18 \div ? = 3$ , then  $? = 6$  because  $6 \times 3 = 18$ . Check:  $18 \div 6 = 3$  is correct.
- 12) **Choice D is correct.** **(3.OA.A.3)**  $6 \times 7 = 42$ . You can count by 7s: 7, 14, 21, 28, 35, 42.
- 13) **Choice B is correct.** **(3.MD.D.8)** Area = length  $\times$  width =  $10 \times 2 = 20$  square centimeters.
- 14) **Choice B is correct.** **(3.MD.C.7)** Area =  $5 \times 2 = 10$  square units.
- 15) **Choice C is correct.** **(3.MD.B.3)**  $7 \times 5 = 35$  cupcakes.
- 16) **Choices A and C are correct.** **(3.NBT.A.2)** Check each: A is  $245 + 255 = 500$ , B is  $312 + 178 = 490$ , C is  $350 + 150 = 500$ , D is  $200 + 290 = 490$ , and E is  $289 + 212 = 501$ . The two sums that equal 500 are A and C.
- 17) **Choice A is correct.** **(3.NF.A.2)** Both bars show the same shaded region (one-half of each bar). They are equivalent fractions.
- 18) **Choice D is correct.** **(3.NF.A.2)** Each whole number spans 3 ticks. From 0, the tick at position  $1\frac{1}{3}$  is the 4th tick, which is  $\frac{4}{3}$ .
- 19) **Choice C is correct.** **(3.MD.C.6)** 6 units wide  $\times$  2 units tall = 12 unit squares.
- 20) **Choice D is correct.** **(3.OA.B.5)** The associative property changes the grouping but keeps the factors in the same order. So  $4 \times (3 \times 2)$  can be regrouped as  $(4 \times 3) \times 2$ .
- 21) **Choice A is correct.** **(3.MD.C.6)** Shape A is 1 unit wide and 5 units tall ( $1 \times 5 = 5$ ). Shape B is 5 units wide and 1 unit tall ( $5 \times 1 = 5$ ).
- 22) **Choice B is correct.** **(3.NF.A.1)** The rectangle is divided into 6 equal parts. One part is shaded, so the shaded fraction is  $\frac{1}{6}$  (one-sixth).
- 23) **Choice C is correct.** **(3.MD.B.4)** Range = maximum - minimum =  $10 - 8 = 2$  ounces.
- 24) **Choice C is correct.** **(3.NF.A.2)** The last tick mark shows all 3 parts:  $\frac{3}{3} = 1$  (the whole).
- 25) **Choice D is correct.** **(3.G.A.2)** Three vertical lines create 4 equal columns, so the rectangle is divided into 4 parts.
- 26) **Choice A is correct.** **(3.NF.A.3)** Both strips show the same amount shaded.  $\frac{2}{4} = \frac{1}{2}$  because  $\frac{1 \times 2}{2 \times 2} = \frac{2}{4}$ .
- 27) **Choice B is correct.** **(3.NF.A.3)** Same numerator: fourths are bigger pieces than sixths. Two fourths is greater than two sixths.
- 28) **Choice B is correct.** **(3.MD.C.5)** The pink square is still one of the unit squares. The rectangle has  $4 \times 3 = 12$  distinct unit squares.
- 29) **Choice D is correct.** **(3.OA.A.3)** Multiply: 8 rows  $\times$  4 columns = 32 soldiers.
- 30) **The correct answer is 42 square units.** **(3.MD.C.7)** Add the two smaller areas:  $24 + 18 = 42$  square units.



## Hi, Hero!

◇ Once there was a Grade 3 student who took 10 practice tests. At first, the math was tricky. But this student kept showing up, kept trying, and kept learning. By the end, the student became a math hero. That hero is you! ◇

★ **Storytellers know:** every story has a hard middle. The hard middle is where heroes grow. You lived your hard middle. Your story ends with confidence! ★

### Your Hero Toolkit

- **Brave Heart:** You try hard problems.
- **Sharp Mind:** You think carefully before you act.
- **Steady Hand:** You write neatly and check.
- **Kind Spirit:** You are patient with yourself.

**Storyteller tip:** on test day, remember the hero you became. The chapters before today made you stronger. Now write your best chapter!

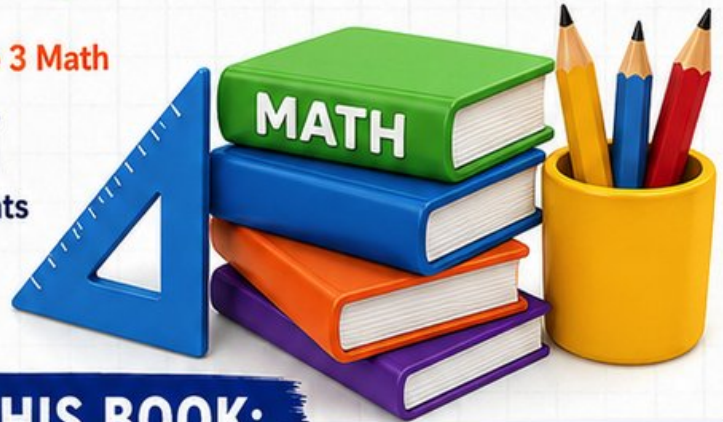
If you want to share something or ask a question, please email me at [jay@testinar.com](mailto:jay@testinar.com).

**Jay Daie**

Your Math Storyteller

# PRACTICE TODAY. SUCCEED TOMORROW!

Give your child the advantage they need in **Grade 3 Math** with 10 full-length practice tests that build skills, boost confidence, and improve results. Designed to mirror real test formats, this book helps students master essential math concepts and feel ready for any challenge.



## INSIDE THIS BOOK:



### 10 Full-Length Practice Tests

Realistic tests that simulate the look and feel of actual Grade 3 math assessments.



### Standards-Aligned

Covers all essential Grade 3 math topics based on current learning standards.



### Build Skills & Confidence

Strengthens problem-solving, critical thinking, and test-taking skills with every practice.



### Track Progress & Improve

Identify strengths and weaknesses to focus on what matters most.



### Prepare for Success

Better preparation leads to higher scores and brighter futures.

## COVERS ALL KEY TOPICS

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



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

for more Grade 3 math resources and practice materials!

## THE MORE THEY PRACTICE, THE BETTER THEY PERFORM.

Help your child build a strong foundation and achieve their best in math!

PRACTICE  
PREPARE  
SUCCEED!



Designed for  
Grade 3  
Students



Build Strong  
Math Skills



Practice with  
Purpose