

# 6

# Idaho ISAT

## GRADE 3

# MATH

## PRACTICE TESTS

Standards-Aligned Practice with  
Review, Answer Keys, and Explanations



6 Full-Length  
Practice Tests



Detailed Answer Keys  
and Explanations



Master Skills.  
Boost Scores.  
Succeed!

# 6 Idaho ISAT Grade 3 Math Practice Tests

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



Six complete 30-question practice labs for Grade 3 math: operations, fractions, measurement, data, area, shapes, answer keys, and clear explanations for every item.

**Jay Daie and Reza Nazari**



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# Welcome to the Six Skill Labs

Six full tests, six focused resets, and a stronger Grade 3 problem solver



Notice the pattern. Choose a tool. Explain the answer.

## To the Grade 3 Math Builder

This book gives you six practice labs for the Idaho ISAT. Each lab is a complete 30-question test, so students can practice accuracy, stamina, and clear mathematical thinking.

Idaho brings mountain lakes, potato fields, canyon roads, and clear night skies. Strong math uses that same care: read the task, select a strategy, build the solution, and use a steady plan through every turn.

### Decode

Find the question, the units, and the useful numbers.

### Design

Use an equation, array, number line, graph, or sketch.

### Confirm

Make sure the answer matches the question.

**Six-lab promise:** I will work with patience, show useful thinking, and treat corrections as part of learning.

# How to Use This Book

A six-lab routine for steady Grade 3 growth

Use one practice lab at a time. The goal is not only to finish more pages. The goal is to finish, review, repair, and bring a smarter habit to the next test. For Idaho students, each lab is a short route through mountain lakes, potato fields, canyon roads, and clear night skies: steady, alert, and ready for the next clue.

1. **Warm up.** Skim the reference materials and remind yourself of common tools.
2. **Take one test.** Work steadily and mark problems that need a second look.
3. **Check answers.** Use the compact answer keys first.
4. **Read explanations.** Study missed items and any lucky guesses.
5. **Redo two problems.** Rewrite the work cleanly without peeking.
6. **Set the next lab goal.** Choose one skill or habit to improve.

**Best review habit:** A mistake is most useful when you can say why it happened and what you will do differently next time.



## What Is Inside?

Six complete practice tests with review support

Part	What You Do	Why It Helps
Practice Tests 1–6	Solve six different 30-question tests.	Build stamina and see Grade 3 skills mixed together.
Answer Keys	Check each answer in compact boxes.	Find mistakes quickly without losing your place.
Explanations	Read why each answer works.	Turn missed items into a clear next step.
Standards Reference	See how Idaho Grade 3 standards connect to practice.	Understand the skills behind the questions.

Each test has 26 multiple-choice questions, 1 select-all question, and 3 open-ended questions. This gives students practice with quick decisions, careful reading, and short written math answers for the Idaho ISAT path.



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

A.  $\frac{3}{8}$

B.  $\frac{4}{3}$

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

D.  $\frac{1}{2}$

2) A bar graph shows coins saved by students. Pilar has 6 units (scale: 5 coins per unit), Quinn has 4 units (scale: 5 coins per unit). How many more coins did Pilar save?

 A. 2 coins B. 6 coins C. 10 coins D. 50 coins

3) Ben starts his chores at 3 : 14 PM. He finishes at 3 : 56 PM. How long does Ben do chores?

 A. 38 minutes B. 40 minutes C. 42 minutes D. 45 minutes

4) Lily sees a number line divided into sixths. She marks  $\frac{6}{6}$ . Where is her mark?

 A. At 0 B. Beyond 6 C. At 1 D. At 6

5) Sam has a rectangular picture frame that is 5 inches long and 7 inches wide. What is the area of the picture frame?

 A. 35 square inches B. 24 square inches C. 12 square inches D. 2 square inches

6) This area model shows  $4 \times 60$ . What is the missing part?

$6 \times 10$	$6 \times 10$	$6 \times 10$	$6 \times 10$
---------------	---------------	---------------	---------------

$$4 \times 60 = (4 \times 6 \times 10) = ?$$

A. 24

C. 240

B. 60

D. 2400

7) A square rug has side length 5 meters. What is its area?

A. 10 sq m

C. 25 sq m

B. 20 sq m

D. 30 sq m

8) What number makes the equation true?

$$36 \div \square = 9$$

A. 4

C. 6

B. 5

D. 3

9) A rectangular kitchen table is 8 feet long and 6 feet wide. What is the area that the table covers?



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10) Which comparison is true?

A.  $\frac{3}{2} > \frac{3}{3}$   
 B.  $\frac{3}{2} < \frac{3}{3}$

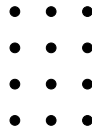
C.  $\frac{3}{2} = \frac{3}{3}$   
 D.  $\frac{3}{3} > \frac{3}{2}$

11) Ben ate all of his apple. He ate  $\frac{8}{8}$  of it. How many wholes did he eat?

A. 8  
 B. 0

C. 1  
 D.  $\frac{1}{8}$

12) Shown below is an array of dots. Count the rows and columns to find the total.



The array shows 3 columns and 4 rows. How many dots are there?

A. 7  
 B. 14

C. 10  
 D. 12

13) Which two of the following differences equal 300?

A.  $600 - 300$   
 B.  $450 - 140$   
 C.  $725 - 425$   
 D.  $512 - 211$   
 E.  $800 - 450$

14) Round 283 to the nearest 10.

A. 280  
 B. 283

C. 290  
 D. 300



1) Which of these does NOT show the associative property?

A.  $(2 \times 3) \times 4 = 2 \times (3 \times 4)$

C.  $5 \times 2 = 2 \times 5$

B.  $(5 \times 2) \times 3 = 5 \times (2 \times 3)$

D.  $(3 \times 3) \times 2 = 3 \times (3 \times 2)$

2) What is the missing number?  $500 - ? = 274$

A. 226

C. 330

B. 274

D. 220

3) What is  $3 \times 4$ ?

4) What number makes the equation true?

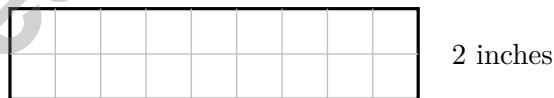
$$24 \div 3 = \square$$

A. 9

C. 6

B. 7

D. 8



5)

9 inches

Count the unit squares in the grid. What is the area?

A. 11 sq in

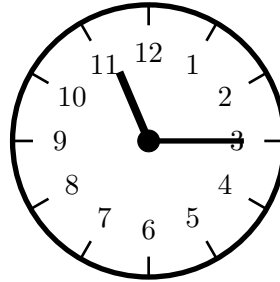
C. 18 sq in

B. 20 sq in

D. 36 sq in



- 6) A clock shows the hour hand between 11 and 12, and the minute hand points to 3. What time does it show?



- A. 3 : 12                       C. 11 : 30  
 B. 11 : 15                       D. 12 : 35
- 7) Eli has  $\frac{8}{2}$  sheets of stickers. Each sheet is one whole. How many whole sheets does he have?
- A. 2                                       C. 8  
 B. 4                                       D. 6
- 8) Which pair of rectangles cannot be tiled to show a distributive property?
- A.  $5 \times 6$  and  $5 \times 2$                        C.  $3 \times 5$  and  $2 \times 4$   
 B.  $4 \times 8$  and  $4 \times 3$                        D.  $7 \times 9$  and  $7 \times 1$
- 9) Ava ate  $\frac{1}{2}$  of a pizza. Ben ate  $\frac{4}{8}$  of a pizza. Did they eat the same amount?
- A. Yes, they ate the same amount                       C. No, Ben ate more  
 B. No, Ava ate more                                       D. Cannot be determined



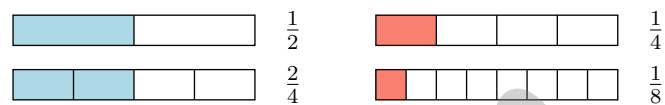
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- 1)  $\begin{array}{ccc} \square & \square & \square \\ \square & \square & \square \end{array}$

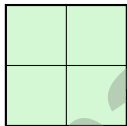
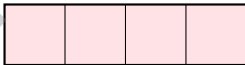
Which repeated addition matches this array?

- A.  $3 + 3 = 6$                        C.  $3 + 3 + 3 = 9$   
 B.  $2 + 2 + 2 = 6$                        D.  $4 + 4 + 4 = 12$

- 2) Look at the fraction bars below. Which fractions are equivalent?



- A.  $\frac{1}{2}$  and  $\frac{1}{8}$                        C.  $\frac{1}{2}$  and  $\frac{2}{4}$   
 B.  $\frac{1}{4}$  and  $\frac{1}{8}$                        D.  $\frac{1}{4}$  and  $\frac{2}{4}$

- 3)  M                       N

Shape M is a 2-by-2 square. Shape N is a 4-by-1 rectangle. How many more unit squares does one have?

- A. Shape M has 0 more (they are equal)                       C. Shape N has 1 more  
 B. Shape M has 1 more                       D. They cannot be compared



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4) Which number is missing from the multiplication fact family?  $\_ \times 5 = 35$

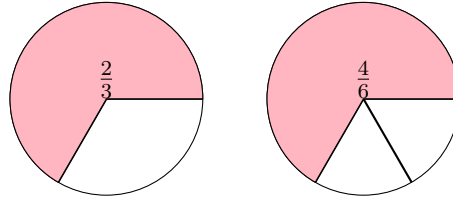
A. 6

C. 8

B. 9

D. 7

5) Look at the pies. Are  $\frac{2}{3}$  and  $\frac{4}{6}$  equivalent?



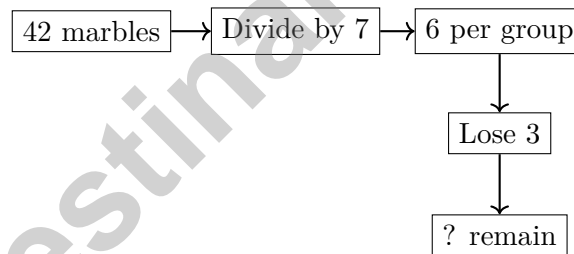
A. Yes, they are equivalent

C. No, the second is larger

B. No, the first is larger

D. They are different fractions

6) Tommy has 42 marbles. He divides them into 7 equal groups for a game. Then he loses 3 marbles from one group. How many marbles are in that group now?



A. 3

C. 7

B. 6

D. 42



## 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.**

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## Practice Test Answers and Explanations

### Practice Test 1 Answers and Explanations

- 1) **Choice C is correct.** **(3.NF.A.3)** If you divide a figure into 4 parts and shade 3, then divide each part in half, you get 8 parts with 6 shaded. So  $\frac{3}{4} = \frac{6}{8}$  because  $\frac{3 \times 2}{4 \times 2} = \frac{6}{8}$ .
- 2) **Choice C is correct.** **(3.MD.B.3)** Pilar:  $6 \times 5 = 30$  coins. Quinn:  $4 \times 5 = 20$  coins. Difference:  $30 - 20 = 10$  coins.
- 3) **Choice C is correct.** **(3.MD.A.1)** From 3 : 14 to 3 : 56:  $56 - 14 = 42$  minutes.
- 4) **Choice C is correct.** **(3.NF.A.2)**  $\frac{6}{6}$  means six sixths, which make one whole. The point is at 1.
- 5) **Choice A is correct.** **(3.MD.C.5)** Multiply length by width:  $5 \times 7 = 35$  square inches.
- 6) **Choice C is correct.** **(3.NBT.A.3)** The area model shows 4 groups of  $(6 \times 10)$ . Adding:  $60 + 60 + 60 + 60 = 240$ . Or:  $(4 \times 6) \times 10 = 24 \times 10 = 240$ .
- 7) **Choice C is correct.** **(3.MD.C.7)** A square with side 5 has area  $5 \times 5 = 25$  square meters.
- 8) **Choice A is correct.** **(3.OA.A.4)** Use the inverse:  $9 \times 4 = 36$ , so  $36 \div 4 = 9$ .
- 9) **The correct answer is 48 square feet.** **(3.MD.D.8)** Area = length  $\times$  width, so  $8 \times 6 = 48$  square feet.
- 10) **Choice A is correct.** **(3.NF.A.3)** Three halves equals 1.5 (greater than one whole). Three thirds equals 1 (exactly one whole). So  $\frac{3}{2} > \frac{3}{3}$ .
- 11) **Choice C is correct.** **(3.G.A.2)**  $\frac{8}{8} = 1$  whole. When numerator = denominator, you have one whole unit.
- 12) **Choice D is correct.** **(3.OA.A.3)** Multiply: 3 columns  $\times$  4 rows = 12 dots.
- 13) **Choices A and C are correct.** **(3.NBT.A.2)** Check each: A is  $600 - 300 = 300$ , B is  $450 - 140 = 310$ , C is  $725 - 425 = 300$ , D is  $512 - 211 = 301$ , and E is  $800 - 450 = 350$ . The two differences that equal 300 are A and C.
- 14) **Choice A is correct.** **(3.NBT.A.1)** The ones digit is 3. Since  $3 < 5$ , round down: 283 rounds to 280.
- 15) **Choice C is correct.** **(3.MD.C.6)**  $8 \times 6 = 48$  unit squares.
- 16) **The correct answer is 2 scores.** **(3.MD.B.4)** The scores 81 and 82 points each occur once, so there are 2 scores occurring exactly once.
- 17) **Choice C is correct.** **(3.NF.A.1)** Two parts split in half each gives  $2 \times 2 = 4$  parts.
- 18) **Choice B is correct.** **(3.G.A.2)** If each part is  $\frac{1}{3}$ , the circle is divided into 3 equal parts.
- 19) **Choice D is correct.** **(3.OA.A.1)** 8 batches with 3 eggs each means 8 groups of 3. So  $8 \times 3 = 24$  eggs.
- 20) **Choice D is correct.** **(3.NF.A.2)** Both A ( $\frac{1}{2}$ ) and D ( $\frac{2}{4}$ ) represent one-half of their rectangles.
- 21) **Choice C is correct.** **(3.OA.D.8)** Step 1: Total cookies:  $6 \times 8 = 48$  cookies. Step 2: Divide into boxes:  $48 \div 4 = 12$  boxes.
- 22) **Choice B is correct.** **(3.NF.A.2)** The first tick mark on a number line divided into 2 equal parts is  $\frac{1}{2}$ .
- 23) **Choice B is correct.** **(3.MD.A.2)** 3 kg = 3000 g. Add:  $3000 + 500 = 3500$  g.
- 24) **Choice B is correct.** **(3.NF.A.3)** The shaded regions match.  $\frac{1}{3}$  and  $\frac{2}{6}$  are equivalent.
- 25) **Choice D is correct.** **(3.NF.A.1)** When a whole is cut into  $b$  equal parts, one part is the unit fraction  $\frac{1}{b}$ . Here  $b = 8$ , so one slice is  $\frac{1}{8}$ .
- 26) **Choice D is correct.** **(3.OA.D.9)** 42 ends in 2, not 0 or 5, so it is not a multiple of 5. All others end in 0 or 5.
- 27) **Choice D is correct.** **(3.OA.B.5)** The commutative property of multiplication states that  $a \times b = b \times a$ . This is why  $9 \times 2 = 2 \times 9 = 18$ .
- 28) **Choice D is correct.** **(3.OA.A.3)**  $6 \times 7 = (6 \times 10) - (6 \times 3) = 60 - 18 = 42$ . Breaking the fact into known facts is a good mental-math strategy.
- 29) **The correct answer is 4 sides.** **(3.G.A.1)** A rectangle is a quadrilateral, so it has 4 sides.
- 30) **Choice D is correct.** **(3.OA.B.6)** To solve  $72 \div 8 = \square$ , find  $\square \times 8 = 72$ . The multiplication fact  $8 \times 9 = 72$  tells us the answer is 9 items per group.

### Practice Test 2 Answers and Explanations



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## Hi, Strong Climber!

◇ You climbed all 6 tests. One step at a time. That takes patience and grit. The view from the top is amazing because you earned it! ◇

★ **Mountain guides say:** steady steps win the climb. You climbed steady. You stayed strong. ★

### Climber's Skills

- **Strong Steps:** You move forward, problem by problem.
- **Steady Pace:** You don't rush. You don't stop.
- **Map Skills:** You read questions carefully.
- **Top of the Mountain:** You can finish a long test.

**Guide's tip:** on test day, take small breaths between problems. One foot, then the next. You'll reach the top!

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 Trail Guide

# BUILD CONFIDENCE. MASTER MATH. ACHIEVE SUCCESS!



This **Grade 3 Math Practice Tests** book is the perfect companion for students who want to strengthen their math skills and excel in school. With **6** full-length practice tests designed to reflect real test formats, students get the practice they need to understand key concepts, build problem-solving skills, and tackle any challenge with confidence.

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- ✓ Test Preparation

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### Better Problem Solving

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### Test Confidence

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### Track Progress

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### Achieve Success

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## TOPICS COVERED:

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



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## PRACTICE MORE. ACHIEVE MORE.

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Aligns with Grade 3 Learning Standards



Builds Critical Thinking & Problem-Solving