

# 4

# Idaho ISAT

## GRADE 4

# MATH

## PRACTICE TESTS



5 FULL-LENGTH  
PRACTICE TESTS



Standards-Aligned Review with  
Mixed Practice and Answer Key



STANDARDS-ALIGNED  
REVIEW



MIXED PRACTICE  
QUESTIONS



ANSWER KEY  
INCLUDED



$$4 \times 7 = 28$$

$$36 \div 9 = 4$$

$$\begin{array}{r} 125 \\ + 87 \\ \hline 212 \end{array}$$



# 4 Idaho ISAT Grade 4 Math Practice Tests

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



Four focused 30-question missions for Grade 4 math: number facts, fractions, measurement, data, area, shapes, answer keys, and clear explanations for every item.

**Jay Daie and Reza Nazari**



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# Welcome, Idaho Math Explorer!

Four steady rounds on the Gem State math route

This book gives you four full Grade 4 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?

Four tests, 120 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 2–4	Skill-building rounds with fractions, measurement, area, data, and two-step problems.
Tests 2–4	Stamina rounds for mixed review, neat work, and flexible strategies.
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

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6) Order these fractions from least to greatest:  $\frac{1}{6}$ ,  $\frac{5}{12}$ ,  $\frac{1}{2}$ .

A.  $\frac{1}{2}$ ,  $\frac{5}{12}$ ,  $\frac{1}{6}$

C.  $\frac{5}{12}$ ,  $\frac{1}{6}$ ,  $\frac{1}{2}$

B.  $\frac{1}{6}$ ,  $\frac{5}{12}$ ,  $\frac{1}{2}$

D.  $\frac{1}{2}$ ,  $\frac{1}{6}$ ,  $\frac{5}{12}$

7) Sam has 832 trading cards. He wants to organize them into 8 albums with the same number of cards per album. How many cards go in each album?

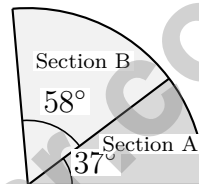
A. 100

C. 109

B. 102

D. 104

8) A bakery cuts a pizza into sections. Section A is  $37^\circ$  and Section B is  $58^\circ$ . If these two sections are combined, what angle do they form?



A.  $95^\circ$

C.  $21^\circ$

B.  $58^\circ$

D.  $135^\circ$

9) Which correctly decomposes  $\frac{6}{4}$  as a mixed number?

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

C.  $2\frac{2}{4}$

B.  $\frac{1}{4} + \frac{5}{4}$

D.  $\frac{2}{4} + \frac{2}{4} + \frac{2}{4}$

10) What is the measure of an angle drawn at  $75^\circ$ ?



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1) Give one decimal greater than 0.5 and less than 0.8.

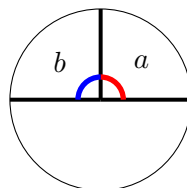
2) There are 84 pencils in a box. 12 pencils are broken. The remaining good pencils are shared equally among 6 friends. How many pencils does each friend get?

- |                                |  |
|--------------------------------|--|
| <input type="checkbox"/> A. 14 | <input type="checkbox"/> C. 16         |
| <input type="checkbox"/> B. 10 | <input type="checkbox"/> D. 12 pencils |



Jasmine has 20 stickers. Jasmine has 4 times as many stickers as her friend. How many stickers does her friend have?

- |                                |                                |
|--------------------------------|--------------------------------|
| <input type="checkbox"/> A. 4  | <input type="checkbox"/> C. 12 |
| <input type="checkbox"/> B. 16 | <input type="checkbox"/> D. 5  |



4) Angles  $a$  and  $b$  are marked in the diagram. What is the sum  $a + b$ ?

- |   |   |
|---|---|
| <input type="checkbox"/> A. $90^\circ$  | <input type="checkbox"/> C. $270^\circ$ |
| <input type="checkbox"/> B. $180^\circ$ | <input type="checkbox"/> D. $360^\circ$ |



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5) How many endpoints does a line segment have?

6) A school starts the day at 9:00 a.m. Morning lessons last 2 hours 15 minutes. What time do morning lessons end?

- A. 10:15 a.m.                       C. 11:45 a.m.  
 B. 11:15 a.m.                       D. 12:15 p.m.

7) Which expression does NOT equal  $\frac{7}{10}$ ?

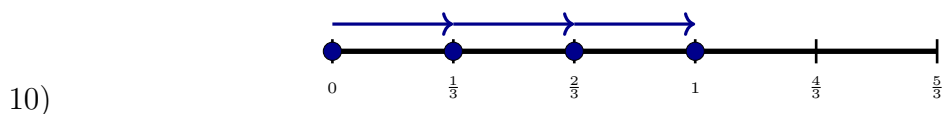
- A. Seven unit fractions of  $\frac{1}{10}$                        C.  $\frac{1}{7} + \frac{1}{7} + \frac{1}{7} + \frac{1}{7} + \frac{1}{7} + \frac{1}{7} + \frac{1}{7}$   
 B.  $\frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10}$                        D. 7 parts out of 10

8) What is  $52 \times 15$ ?

- A. 520                                       C. 650  
 B. 830                                       D. 780

9) What is the area of a rectangle that is 10 inches long and 3 inches wide?

- A. 13 sq in                                       C. 30 sq in  
 B. 26 sq in                                       D. 33 sq in



The number line shows 3 jumps of  $\frac{1}{3}$  each. What multiplication does this show?

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



6) A bake sale sells 6 trays of cupcakes. Each tray has 24 cupcakes. They also have 18 leftover cupcakes from yesterday. How many cupcakes do they have in total?

A. 144

C. 156

B. 140

D. 162

7) Ava splits a granola bar into 6 equal pieces. She gives away 4 pieces. Write the fraction given away as a sum of unit fractions.

A.  $\frac{4}{4}$

C.  $\frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6}$

B.  $\frac{4}{6}$

D.  $\frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4}$

8) Add:  $7,285 + 1,514 = ?$

A. 8,799

C. 8,699

B. 8,889

D. 9,799

9) A line plot with halves shows measurements:  $\frac{1}{2}$  in,  $\frac{1}{2}$  in, 1 in,  $\frac{3}{2}$  in, 1 in, 1 in,  $\frac{3}{2}$  in, 1 in. How many total data points are there?



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## Practice Test Answer Keys

**How to use this section with a Grade 4 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 D is correct.** (4.NBT.A.1) In 5,003, the hundreds place has the digit 0. Its value is  $0 \times 100 = 0$ . ✓
- 2) **Choice B is correct.** (4.NF.B.3) The recipe needs more flour than Noah has. Find the difference:  $\frac{5}{4} - \frac{3}{4} = \frac{2}{4}$  cups more flour needed.
- 3) **Choice B is correct.** (4.NF.C.5) Compare tenths:  $7 > 4$ . Among the two with tenths = 7, compare hundredths:  $7 > 4$ , so  $0.77 > 0.74$ . Among the two with tenths = 4, compare hundredths:  $7 > 4$ , so  $0.47 > 0.44$ .
- 4) **The correct answer is 3.** (4.G.A.2) Since all three angles are less than 90 degrees, all three angles are acute. The answer is **3**.
- 5) **Choice D is correct.** (4.OA.B.4) The word “add 7” tells us the rule. Check:  $14 - 7 = 7$ ,  $21 - 14 = 7$ . Each increases by 7 (multiples of 7). ✓
- 6) **Choice B is correct.** (4.NF.A.1) Convert to twelfths:  $\frac{1}{6} = \frac{2}{12}$ ,  $\frac{5}{12} = \frac{5}{12}$ ,  $\frac{1}{2} = \frac{6}{12}$ . Since  $2 < 5 < 6$ , the order is  $\frac{1}{6}$ ,  $\frac{5}{12}$ ,  $\frac{1}{2}$ .
- 7) **Choice D is correct.** (4.NBT.B.6) Divide:  $83 \div 8 = 10$  r3, bring down the 2 to get  $32 \div 8 = 4$ . Each of Sam’s albums holds **104** trading cards.
- 8) **Choice A is correct.** (4.MD.C.7) The pizza shows two adjacent sections. Combine them:  $37^\circ + 58^\circ = 95^\circ$ .
- 9) **Choice A is correct.** (4.NF.B.3) One whole is  $\frac{4}{4}$ , and  $\frac{6}{4}$  has 6 fourths total. Subtract:  $6 - 4 = 2$ , so the mixed number is  $1\frac{2}{4}$ . ✓
- 10) **The correct answer is 75.** (4.MD.C.6) To measure an angle of  $75^\circ$ , place the baseline ray at  $0^\circ$  and draw the second ray pointing to the  $75^\circ$  mark. Since  $75^\circ$  is between  $45^\circ$  and  $90^\circ$ , it’s an acute angle. The answer is **75** degrees.
- 11) **The correct answer is 19,567.** (4.NBT.B.4) The library received more books, so we add.  $15,000 + 4,567 = 19,567$  books.
- 12) **Choice B is correct.** (4.G.A.3) The letter X is like two lines crossing. Both diagonal directions (from top-left to bottom-right, and from top-right to bottom-left) create matching halves. The answer is letter **X**.
- 13) **Choice D is correct.** (4.OA.A.3) Divide to share equally:  $350 \div 27 = 12$  remainder 26. So 12 complete bracelets are made, with 26 beads left over (not enough for one more bracelet, since one more needs 27).
- 14) **Choice B is correct.** (4.NF.C.5) Let’s convert  $\frac{7}{10}$  to a fraction with denominator 100 by multiplying:  $\frac{7}{10} = \frac{7 \times 10}{10 \times 10} = \frac{70}{100}$ .
- 15) **Choice C is correct.** (4.MD.B.4) Count how many times  $\frac{2}{4}$  inch appears in the data: it shows up **3** times.
- 16) **Choice B is correct.** (4.MD.C.5) Since the angle measures  $120^\circ$ , it is made of **120** one-degree angles.
- 17) **The correct answer is A, D.** (4.NF.B.3) A:  $6 + 2 = 8$  eighths = 1 whole ✓. D:  $5 + 1 = 6$  sixths = 1 whole ✓. B:  $\frac{6}{5}$  (more than 1). C:  $\frac{7}{8}$  (less than 1). E:  $\frac{5}{4}$  (more than 1).
- 18) **Choice A is correct.** (4.NF.A.1) Divide both numerator and denominator by 5:  $\frac{5}{10} = \frac{5 \div 5}{10 \div 5} = \frac{1}{2}$ .
- 19) **Choice C is correct.** (4.NF.B.3) Add the wholes:  $1 + 2 = 3$ . Add the fractions:  $\frac{3}{10} + \frac{5}{10} = \frac{8}{10}$ . The sum is  **$3\frac{8}{10}$** .
- 20) **Choice C is correct.** (4.MD.A.3) Use  $P = 2\ell + 2w = 28$  with  $w = 4$ :  $2\ell + 2(4) = 28$ . Solve:  $2\ell + 8 = 28$ , so  $2\ell = 20$ , thus  $\ell = 10$  in.
- 21) **Choice C is correct.** (4.NF.B.4) Starting at 0, each jump is  $\frac{1}{4}$ . After making 3 jumps, we have moved  $3 \times \frac{1}{4} = \frac{3}{4}$  of the way.
- 22) **Choice D is correct.** (4.OA.A.2) Two steps! Step 1: Grandma gave Lily  $4 \times 3 = 12$  more sheets. Step 2: Add what Lily already had:  $3 + 12 = 15$  sheets in all.
- 23) **Choice D is correct.** (4.OA.B.4) We need a number that pairs with 2 to make 20. Ask yourself:  $2 \times ? = 20$ . Since  $2 \times 10 = 20$ , the missing factor is **10**.
- 24) **Choice C is correct.** (4.MD.C.5) Points marked on the sides of an angle lie on the rays that form the angle.
- 25) **Choice D is correct.** (4.OA.A.1) Step 1: find the ducks:  $7 \times 5 = 35$ . Step 2: “how many more” is a subtraction:  $35 - 7 = 28$ . The farmer has **28** more ducks than chickens.
- 26) **Choice B is correct.** (4.G.A.1) Perpendicular lines cross each other at exactly  $90^\circ$ , while parallel lines never cross at all — they stay side by side forever.



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Cheer Squad Final Pep Talk

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## Hi, Math Star!

◇ 4 practice tests! That's a LOT of work, and you did it ALL. I am cheering so loud right now. You earned every clap and every cheer! ◇

★ **Cheerleader truth:** confidence is built by showing up. You showed up 4 times. That's real confidence. It is not pretend! ★

### Cheer Roll Call

- **Effort:** 100% YOU SHOWED UP!
- **Heart:** BIG!
- **Skills:** STRONG and growing!
- **Spirit:** BRIGHT!

**Cheer tip:** on test day, be your own cheerleader. Whisper to yourself: "I can do this. I practiced." Tiny cheers make a big difference!

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 Cheerleader

# PRACTICE TODAY, SUCCEED TOMORROW!

This **Grade 4 Math Practice Tests** book is the perfect tool to help students build strong math skills, master key concepts, and gain the confidence they need to excel.

With 4 full-length practice tests, a variety of question types, and detailed answer explanations, students get the review and practice they need to strengthen problem-solving skills and achieve their best.

Perfect for classroom use, homework, test preparation, and extra practice at home.

## PERFECT FOR:

- ✓ Classroom Practice
- ✓ Homework & Review
- ✓ Independent Learning
- ✓ Test Preparation
- ✓ Skill Reinforcement
- ✓ Confidence Building

★ **CONFIDENCE TODAY.  
SUCCESS TOMORROW!**

## WHAT STUDENTS WILL GAIN



### Stronger Math Skills

Build a solid foundation through targeted practice and review.



### Better Problem Solving

Develop logical thinking and effective solution strategies.



### Test Confidence

Become familiar with test-style questions and formats.



### Track Progress

Measure growth across multiple practice tests.



### Prepare for Success

Build the confidence needed to do your best on test day.

## TOPICS COVERED

- ✓ Place Value & Number Sense
- ✓ Addition & Subtraction
- ✓ Multiplication & Division
- ✓ Fractions & Decimals
- ✓ Geometry & Measurement
- ✓ Data, Graphs & Line Plots
- ✓ Perimeter & Area
- ✓ Patterns & Algebraic Thinking
- ✓ Word Problems
- ✓ And More!



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