

# 5

# Idaho ISAT

Standards-Aligned Review with  
Mixed Practice and Answer Key

A+

# 5 Idaho ISAT Grade 4 Math Practice Tests

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



Five complete 30-question Grade 4 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



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# Welcome, Idaho Math Explorer!

Five steady rounds on the Gem State math route

This book gives you five 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?

Five tests, 150 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 3–5	Skill-building rounds with fractions, measurement, area, data, and two-step problems.
Tests 3–5	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.



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For more practice  
& answers

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5) How many  $30^\circ$  angles are needed to make a complete turn around a circle?

6) A quadrilateral has four equal sides and four right angles. How many sides does it have?

7) A bathtub contains 120 fluid ounces of water. How many cups is this?

- A. 15                       C. 60  
 B. 30                       D. 240

8) What does  $\frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12}$  equal?

- A.  $\frac{9}{9}$                        C.  $\frac{1}{9}$   
 B.  $\frac{9}{12}$                        D.  $\frac{3}{12}$

9) What is  $2\frac{5}{8} + 1\frac{3}{8}$ ?

- A.  $3\frac{6}{8}$                        C.  $3\frac{7}{8}$   
 B. 4                       D.  $2\frac{8}{8}$



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10) Which decimal is between  $\frac{2}{10}$  and  $\frac{4}{10}$ ?

A. 0.1

C. 0.5

B. 0.3

D. 0.6

11) In the word form “seventy-eight thousand, four hundred twelve”, which place does the digit 8 occupy?

A. Tens place

C. Hundreds place

B. Ten-thousands place

D. Thousands place

12) The population of City A is 47,892. City B’s population is 23,456 less than City A. What is City B’s population?

A. 24,436

C. 25,436

B. 24,536

D. 24,346

13) Diego reads 16 pages of a book each day. If he reads for 5 days, how many pages does he read?

A. 21

C. 70

B. 110

D. 80

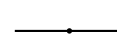
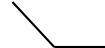
14) Which diagram shows a right angle?

A.

B.

C.

D.



A. Diagram A

C. Diagram C

B. Diagram B

D. Diagram D



1) Noah says an angle is made of 110 one-degree angles. What is the measure of the angle?

- A.  $11^\circ$ 
 C.  $110^\circ$   
 B.  $55^\circ$ 
 D.  $220^\circ$

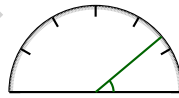
2) A coach has 3 teams. Team A has 18 players, Team B has 22 players, and Team C has 20 players. They want to divide all players equally into 8 groups. How many players are in each group, and how many players are left over?

- A. 15
  C. 6 remainder 2  
 B. 8
  D. 7 remainder 4

3) Which decomposition of  $\frac{9}{12}$  has three equal parts?

- A.  $\frac{3}{12} + \frac{3}{12} + \frac{3}{12}$ 
 C.  $\frac{1}{12} + \frac{4}{12} + \frac{4}{12}$   
 B.  $\frac{2}{12} + \frac{3}{12} + \frac{4}{12}$ 
 D.  $\frac{5}{12} + \frac{2}{12} + \frac{2}{12}$

4)



What is the measure of the angle shown?

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

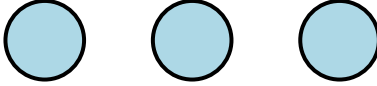
5) The fraction bar below is divided into equal parts. How many parts are shaded, and what fraction do they represent?



- A. 1 part;  $\frac{1}{5}$ 
 C. 4 parts;  $\frac{4}{5}$   
 B. 2 parts;  $\frac{2}{5}$ 
 D. 5 parts;  $\frac{5}{5}$

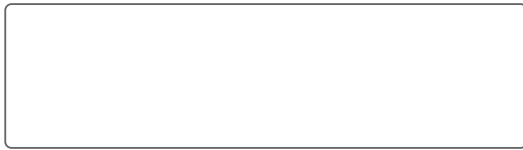


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- 6)   
 $\frac{2}{8}$  liter       $\frac{2}{8}$  liter       $\frac{2}{8}$  liter

Each container holds  $\frac{2}{8}$  liter. How many liters are in 3 containers?

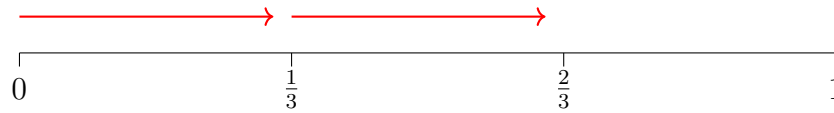
- A.  $\frac{6}{8}$  liters (or  $\frac{3}{4}$  liters)       C.  $\frac{3}{8}$  liter  
 B.  $\frac{2}{24}$  liter       D. 3 liters
- 7) A quadrilateral has tick marks on all four sides. How many equal sides are marked?



- 8) Ming collected 567 stickers and her friend gave her 234 more. How many stickers does Ming have?
- A. 801 stickers       C. 800 stickers  
 B. 691 stickers       D. 891 stickers
- 9) Noah buys 8 boxes of cookies. Each box has 22 cookies. How many cookies does Noah buy?
- A. 154       C. 160  
 B. 200       D. 176



1) A number line shows jumps of  $\frac{1}{3}$ . Which number of jumps gets us to  $\frac{2}{3}$ ?



- A. 1 jump                       C. 3 jumps  
 B. 2 jumps                       D. 6 jumps

2) Carter runs  $\frac{3}{8}$  mile each morning. If he runs for 3 mornings, how far does he run in total?

- A.  $\frac{3}{24}$  miles                       C.  $\frac{6}{8}$  miles (or  $\frac{3}{4}$  miles)  
 B.  $\frac{9}{8}$  miles (or  $1\frac{1}{8}$  miles)                       D.  $\frac{1}{8}$  mile



3)  $\frac{4}{6}$  sugar                       $\frac{2}{6}$  flour

A cake recipe uses  $\frac{4}{6}$  cup of sugar and  $\frac{2}{6}$  cup of flour. What is the total amount of sugar and flour combined?

- A.  $\frac{6}{6}$                                        C.  $\frac{2}{6}$   
 B.  $\frac{6}{12}$                                        D.  $\frac{3}{6}$

4) Multiply  $7 \times 314$  using the standard algorithm or partial products.



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5) Chen rode his bike 18 kilometers on Saturday and 25 kilometers on Sunday. What was the total distance?

A. 7 km

B. 25 km

C. 43 km

D. 450 km

6) Olivia uses 9 yards of string for her craft project. How many feet is this?

A. 18

B. 27

C. 36

D. 45

7) Ava read 4,623 pages in a book series. Round to the nearest hundred to estimate pages read.

A. 4,600

B. 4,620

C. 4,700

D. 5,000

8) Which is greater?

A. 10,203

B. 10,232

C. 10,023

D. 10,302

9) Which list shows only multiples of  $\frac{1}{4}$ ?

A.  $\frac{1}{2}, \frac{3}{5}, \frac{1}{4}$

B.  $\frac{2}{4}, \frac{1}{4}, \frac{3}{4}$

C.  $\frac{1}{4}, \frac{2}{8}, \frac{1}{12}$

D.  $\frac{1}{5}, \frac{2}{5}, \frac{3}{5}$

10) Which of the following equals  $\frac{11}{12}$ ?

A.  $11 + \frac{1}{12}$

B.  $11 \times \frac{1}{12}$

C.  $\frac{1}{11} \times 12$

D.  $\frac{12}{11}$



## 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

- Choice B is correct.** (4.MD.C.5) The vertex is the point where the two rays of an angle meet.
- Choice B is correct.** (4.NF.B.3) The container starts with water shown in the picture. When some water is removed, subtract:  $\frac{3}{5} - \frac{1}{5} = \frac{2}{5}$  of the container remains filled.
- Choice A is correct.** (4.NF.B.4) Picture A shows 5 equal parts with 2 shaded. This represents 2 out of 5 parts, or  $2 \times \frac{1}{5}$ .
- Choice B is correct.** (4.G.A.3) The letter V looks like two lines meeting at a point at the bottom. A vertical line down the middle divides the left and right halves so they match. The answer is **1** line of symmetry.
- The correct answer is 12.** (4.MD.C.5) Divide the full circle by 30 degrees:  $360^\circ \div 30^\circ = 12$  angles needed.
- The correct answer is 4.** (4.G.A.2) By definition, a quadrilateral is a four-sided figure. The answer is **4**.
- Choice A is correct.** (4.MD.A.1) Since 1 cup = 8 fluid ounces, divide:  $120 \div 8 = 15$  cups. The answer is **15** cups.
- Choice B is correct.** (4.NF.B.3) We have 9 unit fractions of  $\frac{1}{12}$ . Counting them: 9 pieces, each  $\frac{1}{12}$ , so the sum is  $\frac{9}{12}$ .
- Choice B is correct.** (4.NF.B.3) Add the wholes:  $2 + 1 = 3$ . Add the fractions:  $\frac{5}{8} + \frac{3}{8} = \frac{8}{8} = 1$ . Combine into a whole:  $3 + 1 = 4$ .
- Choice B is correct.** (4.NF.C.5) Convert the fractions to decimals:  $\frac{2}{10} = 0.2$  and  $\frac{4}{10} = 0.4$ . The decimal 0.3 fits between them.
- Choice D is correct.** (4.NBT.A.2) "Seventy-eight thousand" = 78,000, so the full number is 78,412. The digit 8 is in the thousands place ✓
- Choice A is correct.** (4.NBT.B.4) City B is smaller, so we subtract.  $47,892 - 23,456 = 24,436$  people.
- Choice D is correct.** (4.NBT.B.5) Split 16:  $5 \times (10 + 6) = 50 + 30 = 80$  pages.
- Choice A is correct.** (4.G.A.1) Look for the small square symbol in the corner — that's geometry's way of saying "this is a right angle!" Only Diagram A has that special marker.
- The correct answer is A, C.** (4.MD.A.3) Check A: Area =  $10 \times 6 = 60$  sq ft ✓ Check C: Perimeter =  $2(10) + 2(6) = 32$  ft ✓ The other options are incorrect.
- Choice D is correct.** (4.OA.B.4) Find every pair that multiplies to 30:  $1 \times 30, 2 \times 15, 3 \times 10, 5 \times 6$ . That's **4** factor pairs. (Notice we skip 4—since  $30 \div 4$  has a remainder, 4 isn't a factor.)
- Choice A is correct.** (4.NF.C.5) Look at the tenths place: 0.65 has 6 tenths while 0.56 has 5 tenths. Since  $6 > 5$ ,  $0.65 > 0.56$ , and Maya's rope is longer.
- Choice D is correct.** (4.OA.A.3) Two steps! Step 1: take away the sheep she sold:  $80 - 25 = 55$ . Step 2: add the new sheep:  $55 + 30 = 85$  sheep.
- Choice B is correct.** (4.MD.C.5) Diego's angle measures  $50^\circ$ , so it is made of **50** one-degree angles.
- Choice A is correct.** (4.MD.C.6) This angle measures about  $70^\circ$ . When we round to the nearest 10 degrees, it stays at  $70^\circ$  because  $70^\circ$  is right at the mark. The answer is **70** degrees.
- Choice B is correct.** (4.NF.C.5) Think of it this way: if 10 hundredths = 1 tenth, then 80 hundredths = 8 tenths. So  $\frac{80}{100} = \frac{8}{10}$ .
- Choice C is correct.** (4.NBT.B.6) Divide:  $54 \div 6 = 9$ , and  $0 \div 6 = 0$  gives 90. Tyler gets **90** minutes of recess per week.
- Choice A is correct.** (4.NF.B.3) A:  $5 + 4 = 9$ , so  $\frac{9}{8} = 1\frac{1}{8}$  ✓ greater than 1. B:  $\frac{5}{6}$  (less). C:  $\frac{6}{8}$  (less). D:  $\frac{8}{10}$  (less).
- Choice D is correct.** (4.OA.A.2) "2 times as many" means multiply by 2:  $2 \times 100 = 200$  action figures.
- Choice A is correct.** (4.NF.A.1) All have numerator 4. Larger denominators give smaller pieces: fifths  $>$  sixths  $>$  eighths. So  $\frac{4}{5} > \frac{4}{6} > \frac{4}{8}$ .
- Choice D is correct.** (4.NBT.A.3) We're rounding to the nearest hundred. Look at the tens digit: 6. Since  $6 \geq 5$ , we round UP! The hundreds digit changes from 6 to 7, so the answer is **33,700**. ✓
- Choice D is correct.** (4.OA.A.1) Step 1: find Owen's soldiers:  $5 \times 7 = 35$ . Step 2: "how many more" is a subtraction:  $35 - 5 = 30$ . Owen has **30** more soldiers than Ethan.



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## Author's Note

### From a Friend Who Believes in You

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#### Hi, Friend!

◇ I just want to say something important: I am proud of you. You did 5 full practice tests. That takes time, hard work, and heart. ◇

★ **Friendly truth:** a test is just one part of your math journey. You are SO much more than a score. The work you did is the real win! ★

#### What I Want You to Know

- **You are smart.** Every test you finished proves it.
- **You are brave.** You tried hard problems.
- **You are growing.** Mistakes taught you new things.
- **You are ready.** The skills are inside you.

**One more thing:** on test day, take a deep breath. Smile. Remember that someone (me!) believes in you. You can do this!

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 Friend

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# 5 PRACTICE TESTS. BUILD SKILLS. BOOST CONFIDENCE!

This **Grade 4 Math Practice Tests** book is designed to help students master essential math concepts, improve problem-solving skills, and build the confidence they need to excel.

With 5 full-length practice tests, a variety of question types, and detailed answer explanations, students get the practice they need to understand math, strengthen critical thinking, and perform their best on test day and beyond.

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

## PERFECT FOR:

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SUCCESS TOMORROW!

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Develop logical thinking and effective solution strategies.



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### Master Key Concepts

Reinforce important skills aligned with grade-level standards.



### Prepare for Success

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## TOPICS COVERED

- ✓ Place Value & Number Sense
- ✓ Addition & Subtraction
- ✓ Multiplication & Division
- ✓ Fractions & Equivalent Fractions
- ✓ Decimals
- ✓ Geometry & Measurement
- ✓ Perimeter & Area
- ✓ Data, Graphs & Line Plots
- ✓ Patterns & Algebraic Thinking
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Mixed Question Types



Answer Key Included

A+