8 Idaho ISAT GRADE 4 PRACTICE TESTS

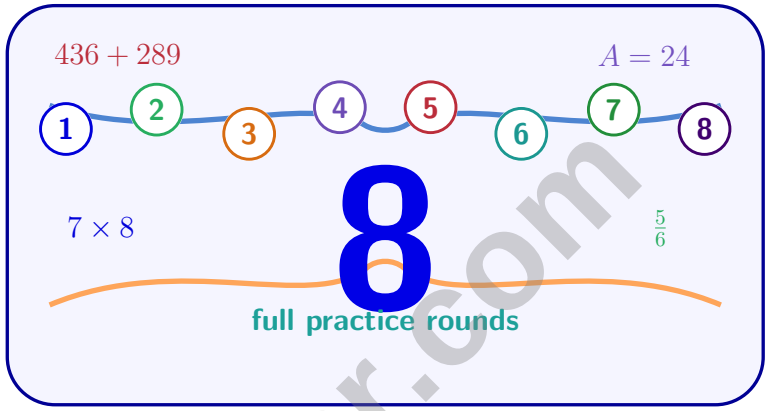
Standards-Aligned Review with Mixed Practice and Answer Key

COMPREHENSIVE TEST PREP

Includes Solutions

8 Idaho ISAT Grade 4 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Eight 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!

Eight steady rounds on the Gem State math route

This book gives you eight 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.

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?

Eight tests, 240 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 6–8	Stamina rounds for mixed review, neat work, and flexible strategies.
Answer Pages	Compact keys and explanations that show why each answer works.

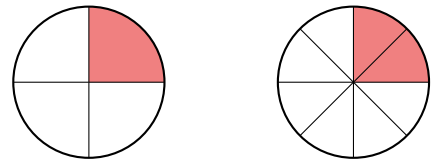
The tests are mixed on purpose. Real test readiness means recognizing the skill even when the next question changes topic.

Table of Contents

1) Which letter has exactly 2 lines of symmetry?

☐ A. K
☐ B. N
☐ C. I
☐ D. R

2) Look at the two circle models. They are the same size.



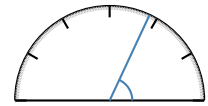
Which fraction should replace the question mark?

☐ A. $\frac{2}{8}$
☐ B. $\frac{1}{8}$
☐ C. $\frac{4}{8}$
☐ D. $\frac{3}{8}$

3) A carpenter measures an angle made by two boards. The angle is split by a third board into parts measuring 38° and 52°. What is the total angle measure?

☐ A. 14°
☐ B. 90°
☐ C. 76°
☐ D. 52°

4) Maya has 7 pounds of flour. How many ounces of flour does she have?

5) 

What is the best estimate of this angle?

☐ A. 60 degrees
☐ B. 70 degrees
☐ C. 75 degrees
☐ D. 65 degrees

6) Noah walks $\frac{2}{8}$ mile each day. How far does he walk in 4 days?

☐ A. $\frac{8}{8}$ mile or 1 mile
☐ B. $\frac{2}{32}$ mile
☐ C. $\frac{6}{8}$ mile
☐ D. $\frac{4}{8}$ mile

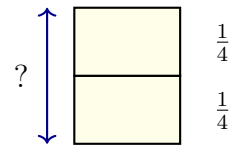
7) A string is cut into 2 equal pieces. Both pieces are used. Which sum of unit fractions shows this?

☐ A. $\frac{1}{2} + \frac{1}{2}$
☐ B. $\frac{1}{2}$
☐ C. $\frac{2}{2}$
☐ D. $\frac{1}{1}$

8) A rectangle has an area of 45 square centimeters. The length is 9 centimeters. What is the width?

☐ A. 4 cm
☐ B. 6 cm
☐ C. 7 cm
☐ D. 5 cm

9) A stacked bar model shows 2 bars of $\frac{1}{4}$ stacked on top of each other. What is the total height?



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

10) Which equation does NOT show a multiplicative comparison?

☐ A. $18 = 3 \times 6$
☐ B. $18 = 12 + 6$
☐ C. $20 = 4 \times 5$
☐ D. $35 = 5 \times 7$

11) A flower bed had $\frac{8}{12}$ of its space planted with roses. $\frac{3}{12}$ of the space was planted with tulips. How much of the flower bed was planted with roses or tulips?

☐ A. $\frac{5}{12}$
☐ B. $\frac{11}{12}$
☐ C. $\frac{11}{24}$
☐ D. $\frac{10}{12}$

12) What is 45,782 rounded to the nearest thousand?

☐ A. 45,000
☐ B. 45,800
☐ C. 46,000
☐ D. 50,000

13) Ming drew an angle. She said it measures 60°. How many one-degree angles does her angle contain?

☐ A. 6 one-degree angles
☐ B. 30 one-degree angles
☐ C. 60 one-degree angles
☐ D. 120 one-degree angles

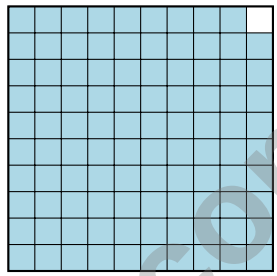
14) Which TWO statements correctly describe a right triangle?

☐ A. It has one angle equal to 90 degrees.
☐ B. It has all three angles less than 90 degrees.
☐ C. It has two acute angles and one right angle.
☐ D. It has one angle greater than 90 degrees.
☐ E. It has three right angles.

1) Two parallel lines are best described as:

☐ A. Lines that meet at a right angle
☐ B. Lines that never meet and are always the same distance apart
☐ C. Lines that meet at any angle
☐ D. Lines that share a common endpoint

2) What decimal is shown by the shaded part of the hundredths grid?



99 out of 100 shaded

☐ A. 0.01
☐ B. 0.10
☐ C. 0.99
☐ D. 0.90

3) Gavin has 6 action figures. His friend Leo has 5 times as many action figures as Gavin. How many action figures does Leo have?

4) In 45,328, how many thousands are there?

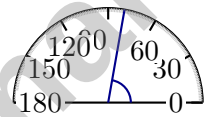
5) Jude had $5\frac{4}{8}$ pounds of berries. He ate $2\frac{5}{8}$ pounds. How many pounds of berries does he have left?

☐ A. $2\frac{6}{8}$ pounds
☐ B. $3\frac{1}{8}$ pounds
☐ C. $2\frac{7}{8}$ pounds
☐ D. $3\frac{2}{8}$ pounds

6) Which number is divisible by 10?

☐ A. 45
☐ B. 68
☐ C. 70
☐ D. 82

7)



What is the measure of the angle shown?

☐ A. 80 degrees
☐ B. 75 degrees
☐ C. 85 degrees
☐ D. 90 degrees

8) A ribbon is cut into two pieces. One piece is $\frac{7}{10}$ meter and the other is $\frac{2}{10}$ meter. What was the original length of the ribbon?

Piece 1: $\frac{7}{10}$ Piece 2: $\frac{2}{10}$
Original ribbon: $\frac{7}{10} + \frac{2}{10} = ?$

☐ A. $\frac{5}{10}$ meter
☐ B. $\frac{9}{10}$ meter
☐ C. $\frac{9}{20}$ meter
☐ D. $\frac{14}{10}$ or $1\frac{4}{10}$ meters

1) Convert $\frac{5}{10}$ to a fraction with denominator 100.

2) Which is NOT equal to $\frac{2}{4}$?

☐ A. $\frac{1}{4}+\frac{1}{4}$
☐ B. $\frac{1}{2}$
☐ C. $\frac{1}{3}+\frac{1}{3}$
☐ D. $\frac{2}{8}+\frac{2}{8}$

3) How many times as many counters are in Group B as in Group A?

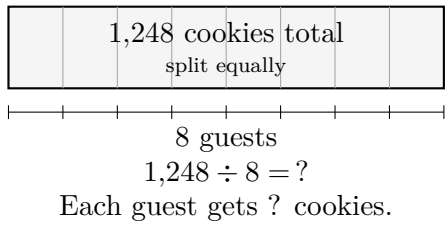
Group A Group B

☐ A. 2 times as many
☐ B. 8 times as many
☐ C. 6 times as many
☐ D. 4 times as many

4) Ava's eraser costs \$0.32. Which fraction shows this price?

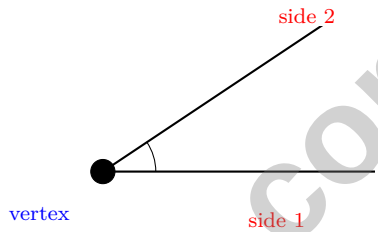
☐ A. $\frac{32}{10}$
☐ B. $\frac{3}{2}$
☐ C. $\frac{32}{100}$
☐ D. $\frac{32}{1000}$

5) The area model below shows $1{,}248 \div 8$. What is the quotient?



☐ A. 156
☐ B. 166
☐ C. 146
☐ D. 176

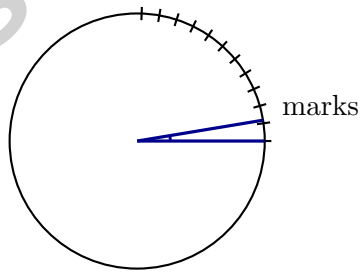
6)



In the angle shown, which part is labeled in blue?

☐ A. A side
☐ B. The vertex
☐ C. The interior
☐ D. A ray

7)



Diego's angle is small and sits just past the 8° tick mark. About how many one-degree angles is it?

☐ A. 8 one-degree angles
☐ B. 9 one-degree angles
☐ C. 10 one-degree angles
☐ D. 16 one-degree angles

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.

Practice Test Answers and Explanations

Practice Test 1 Answers and Explanations

1) **Choice C is correct.** 4.G.A.3 The letter I is a straight rectangle with balanced top-to-bottom and left-to-right symmetry. Both a vertical fold and a horizontal fold create matching halves. The answer is letter **I**.
2) **Choice A is correct.** 4.NF.A.1 The shaded wedges in both circles are the same size. The first circle is split into 4 pieces (1 shaded), the second into 8 pieces (2 shaded). They cover the same amount: $\frac{1}{4} = \frac{2}{8}$.
3) **Choice B is correct.** 4.MD.C.7 The third board splits the angle. Add both parts: $38° + 52° = \mathbf{90°}$.
4) **The correct answer is** 112. 4.MD.A.1 Since 1 pound = 16 ounces, multiply: $7 \times 16 = 112$ ounces.
5) **Choice D is correct.** 4.MD.C.6 The ray falls between the 60° and 70° marks, right in the middle of that range. At 65°, this acute angle is a good estimate for the angle shown. The answer is **65** degrees.
6) **Choice A is correct.** 4.NF.B.4 Noah walks $\frac{2}{8}$ mile per day for 4 days. Multiply: $4 \times \frac{2}{8} = \frac{4\times2}{8} = \frac{8}{8} = 1$ mile. The answer is **1** mile.
7) **Choice A is correct.** 4.NF.B.3 Both pieces are used out of 2 equal pieces, which is $\frac{2}{2}$. As a sum of unit fractions: $\frac{1}{2} + \frac{1}{2}$.
8) **Choice D is correct.** 4.MD.A.3 From $45 = 9 \times w$: Divide to get $w = 45 \div 9 = 5$ cm.
9) **Choice B is correct.** 4.NF.B.4 Two bars stacked, each $\frac{1}{4}$ tall: $2 \times \frac{1}{4} = \frac{2}{4}$.
10) **Choice B is correct.** 4.OA.A.1 Multiplicative comparisons use the symbol × (or words like "times as many"). Choices A, C, and D all use ×. Choice B uses +, which is an *additive* comparison—not multiplicative.
11) **Choice B is correct.** 4.NF.B.3 The flower bed has two types of flowers. Add the parts with like denominators: $\frac{8}{12} + \frac{3}{12} = \frac{11}{12}$ of the flower bed was planted.
12) **Choice C is correct.** 4.NBT.A.3 We're rounding to the nearest thousand. Look at the hundreds digit: 7. Since $7 \geq 5$, we round UP! Change the thousands digit from 5 to 6, and the answer is **46,000**. ✓
13) **Choice C is correct.** 4.MD.C.5 The measure in degrees tells us how many one-degree angles fit in the angle, so 60° means **60** one-degree angles.
14) **The correct answer is A, C.** 4.G.A.2 For statements about right triangles: Statement A is correct because a right triangle has exactly one angle measuring 90 degrees. Statement C is also correct because besides the 90-degree angle, the other two angles must be acute (less than 90 degrees). Statement B is false (right triangles do not have all angles less than 90). Statement D is false (right triangles have one 90-degree angle, not angles greater than 90). Statement E is false (triangles have three angles total, but only one is 90 degrees in a right triangle). The answer is A and C.
15) **The correct answer is** 0.70. 4.NF.C.5 A trailing zero doesn't change the value. Both 0.7 and 0.70 equal the same amount.
16) **Choice A is correct.** 4.NF.C.5 The trailing zero doesn't matter: 0.80 and 0.8 are the same, both equal to $\frac{8}{10}$.
17) **Choice A is correct.** 4.NF.B.3 The red arrow shows the first jump ($\frac{4}{12}$), the blue arrow shows the second jump ($\frac{3}{12}$). Together: $4 + 3 = 7$, so we reach $\frac{7}{12}$ ✓.
18) **Choice C is correct.** 4.MD.A.2 Step 1: The second trip is 8 km farther than 12 km, so $12 + 8 = 20$ km. Step 2: Total distance is $12 + 20 = 32$ km. Grace drives **32** kilometers.
19) **Choice B is correct.** 4.MD.C.5 Angle 2 has a larger opening, making it the wider angle. Compare how far apart the rays spread from the vertex.
20) **Choice D is correct.** 4.OA.A.3 Two steps! Step 1: equal groups means divide. $24 \div 4 = 6$ stickers in the group Sam keeps. Step 2: add the new stickers: $6 + 8 = 14$ stickers now.
21) **Choice D is correct.** 4.OA.B.4 Test the small primes: 43 is odd; $4+3 = 7$ (not ÷3); doesn't end in 0 or 5; $7 \times 6 = 42$, $7 \times 7 = 49$, no 7. So 43's only factors are 1 and 43—**prime**.
22) **The correct answer is** 12, 15. 4.OA.B.4 Multiply by 3: Input 4 gives $4 \times 3 = 12$; Input 5 gives $5 \times 3 = 15$. The outputs are **12**, **15**.
23) **Choice A is correct.** 4.MD.C.5 The angle spans between two rays in the lower portion of the circle, measuring **30°**.
24) **Choice A is correct.** 4.NBT.B.4 Subtract by place value: no regrouping needed. The answer is **44,444**.
25) **Choice B is correct.** 4.NF.B.4 Five jump rope segments, each $\frac{2}{4}$ yard long, give us $5 \times \frac{2}{4} = \frac{10}{4}$ yards total.

Author's Note

Star Player Pep Talk

Hi, Star Player!

◇ 8 practice tests. Every one of them was a chance to grow. You took every chance. That's why you're a math star today! ◇

⋆ **Star players know:** confidence comes from practice. You can't fake it. You build it. You built yours over 8 tests. It's real now! ⋆

Star Player Stats

- **Practice:** OFF THE CHARTS!
- **Skills:** BROAD! You can do many problem types.
- **Toughness:** HIGH! You don't quit on hard problems.
- **Game Plan:** READY! You know your strategies.

Star tip: on test day, take it one play at a time. One problem. Then the next. You will earn your stars!

If you want to share something or ask a question, please email me at jay@testinar.com.

Jay Daie

Your Math Coach

8 PRACTICE TESTS. PREPARE. PRACTICE. SUCCEED!

This **Grade 4 Math Practice Tests** book is designed to help students build strong math skills, master essential concepts, and boost confidence for success in the classroom and beyond.

Featuring 8 full-length practice tests, a variety of question types, and detailed answer explanations, this book provides the practice and support students need to improve accuracy, strengthen problem-solving abilities, and achieve their best.

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Better Problem Solving
Develop logical thinking and effective solution strategies.

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Become familiar with test-style questions and formats.

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Measure growth across multiple practice tests.

Academic Success
Strengthen skills needed for future learning.

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