

3

Idaho ISAT

GRADE 4

MATH PRACTICE TESTS

Standards-Aligned Review with
Mixed Practice and Answer Key



**5 FULL-LENGTH
PRACTICE TESTS**



**STANDARDS-ALIGNED
REVIEW**



**MIXED PRACTICE
QUESTIONS**



**ANSWER KEY
INCLUDED**

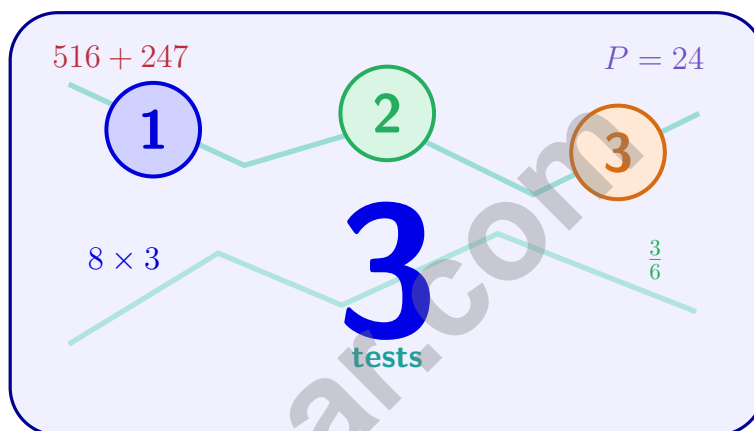
$$a^2 + b^2 = c^2$$

$$\frac{3}{4}$$



3 Idaho ISAT Grade 4 Math Practice Tests

Standards-Aligned Practice for Stronger Math Skills and Test Readiness



Three 30-question trail tests packed with Grade 4 review, Idaho ISAT strategy tips, answer keys, and step-by-step explanations that turn every miss into the next move.

Jay Daie and Reza Nazari



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Welcome, Idaho Math Explorer!

Three steady rounds on the Gem State math route

This book gives you three 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?

Three tests, 90 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 1–3	Skill-building rounds with fractions, measurement, area, data, and two-step problems.
Tests 1–3	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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& answers

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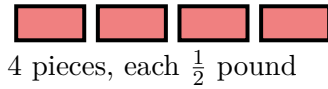
10) Which equation does this bar model show?



- A. $2 \times \frac{2}{3}$
- B. $2 \times \frac{1}{4}$

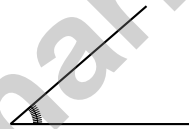
- C. $4 \times \frac{1}{2}$
- D. $2 \times \frac{1}{2}$

11)



Each piece above weighs $\frac{1}{2}$ pound. What is the total weight of all 4 pieces?

12)



This angle has tick marks from 0 to 40 degrees. What is the measure of the angle?

- A. 40°
- B. 41°

- C. 39°
- D. 80°

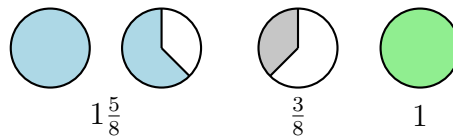
13) Use this place-value table:

Hundred-Thousands	Ten-Thousands	Thousands	Hundreds	Tens	Ones
5	2	1	4	0	6

What is the value of the ten-thousands digit?

- A. 2
- B. 20

- C. 200
- D. 20,000



1)

What is the sum of the three amounts shown?

- A. $2\frac{7}{8}$
 C. $3\frac{3}{8}$
 B. $3\frac{1}{8}$
 D. 3

2) Which shows the correct comparison?

- A. $0.8 > 0.81$
 C. $0.81 < 0.8$
 B. $0.8 < 0.81$
 D. $0.81 = 0.8$

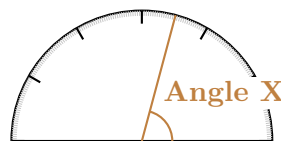
3) Jackson hikes 4 miles. His dad hikes 9 times as many miles. How many miles does his dad hike?

- A. 4
 C. 9
 B. 5
 D. 36

4) Three friends share a sub sandwich. Friend A eats $\frac{4}{10}$, Friend B eats $\frac{3}{10}$, and Friend C eats the rest. What fraction did Friend C eat?

- A. $\frac{3}{10}$
 C. $\frac{1}{10}$
 B. $\frac{7}{10}$
 D. $\frac{2}{10}$

5)



What is the best estimate of the angle shown as Angle X?

- A. About 60 degrees
 C. About 90 degrees
 B. About 75 degrees
 D. About 120 degrees



6) What is $\frac{3}{2} - \frac{1}{2}$?

Start with $\frac{3}{2}$



Take away $\frac{1}{2}$; ? remains

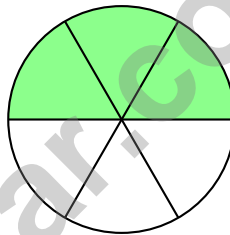
A. $\frac{2}{4}$

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

B. $\frac{2}{2}$ or 1

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

7) Look at the circle divided into equal parts. Which expression shows the shaded amount as a sum of unit fractions?



Pie divided into 6 equal slices

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

C. $\frac{3}{3}$

B. $\frac{3}{6}$

D. $\frac{6}{3}$

8) What is the rule for this pattern? 9, 18, 27, 36, 45, ...

A. Add 8

C. Multiply by 2

B. Multiply by 3

D. Add 9 (multiples of 9)



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1) Which metric measurement is the longest?

- A. 2 kilometers C. 3,500 meters
 B. 9,000 meters D. 15 kilometers

2) Which angle measure is an acute angle?

- A. 95 degrees C. 135 degrees
 B. 15 degrees D. 180 degrees

3) A scale diagram shows weights. A bag of sugar weighs 3 kg, and a bag of salt weighs 2 kg. If you stack 5 bags of sugar and 3 bags of salt on a scale, what is the total weight?

- A. 9 kg C. 21 kg
 B. 15 kg D. 30 kg

4) Which is greater, $\frac{3}{5}$ or $\frac{1}{2}$?

5) Grace has some marbles. Her brother has 3 times as many marbles, and he has 24 marbles. How many marbles does Grace have?

- A. 6 C. 21
 B. 27 D. 8



6) Write $2\frac{5}{6}$ as an improper fraction.

7) Which decimal equals $\frac{8}{10}$?

A. 0.8

C. 0.88

B. 0.08

D. 0.088

8) Look at the pattern: 30, 25, 20, 15, 10, ... What is the rule?

A. Add 5

C. Subtract 10

B. Divide by 2

D. Subtract 5

9) Which fraction is in simplest form and equivalent to $\frac{6}{8}$?

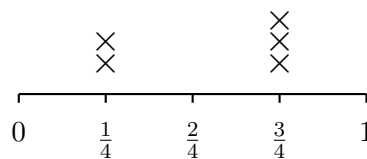
A. $\frac{3}{4}$

C. $\frac{4}{5}$

B. $\frac{2}{3}$

D. $\frac{5}{6}$

10) Look at the line plot of ribbon lengths in fourths of an inch. Which length has the most X marks?



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

C. $\frac{3}{4}$ inch

B. $\frac{1}{2}$ inch

D. 1 inch



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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

- Choice D is correct.** (4.OA.B.4) We need a number that pairs with 3 to make 18. Ask: $3 \times ? = 18$. Since $3 \times 6 = 18$, the missing factor is **6**.
- Choice B is correct.** (4.MD.C.5) A right angle looks like the corner of a square or rectangle.
- Choice D is correct.** (4.NF.A.1) The bars show us! The blue bar for $\frac{3}{4}$ is longer than the coral bar for $\frac{2}{4}$. Bigger shaded area means bigger fraction.
- Choice B is correct.** (4.MD.A.1) Since 1 liter = 1,000 milliliters, multiply: $5 \times 1,000 = 5,000$ mL. The answer is **5,000** mL.
- Choice B is correct.** (4.MD.A.3) From $54 = \ell \times 6$: Divide to get $\ell = 54 \div 6 = 9$ ft.
- Choice C is correct.** (4.OA.B.4) Start at 3 and apply “add 4” four more times: 3, 7, 11, 15, **19**. The 5th term is **19**.
- Choice B is correct.** (4.G.A.2) A parallelogram has two pairs of opposite sides that are parallel to each other. This is the defining characteristic that distinguishes a parallelogram from trapezoids and other quadrilaterals. The answer is **B**.
- Choice B is correct.** (4.NF.B.3) Add the wholes: $1 + 1 + 1 = 3$. Add the fractions: $\frac{1}{4} + \frac{3}{4} + \frac{2}{4} = \frac{6}{4} = 1\frac{2}{4}$. Combine: $3 + 1\frac{2}{4} = 4\frac{2}{4}$.
- Choice A is correct.** (4.NF.B.3) The picture shows the candy bar is divided into 8 equal parts with 5 shaded (what Maya ate). Subtract the shaded part from the whole bar: $\frac{8}{8} - \frac{5}{8} = \frac{3}{8}$ of the candy bar is left.
- Choice D is correct.** (4.NF.B.4) The bar model shows two bars, each divided in half with one half shaded in each. This matches $2 \times \frac{1}{2}$, which means 2 copies of $\frac{1}{2}$. The answer is **2** $\times \frac{1}{2}$ (Choice D).
- The correct answer is 2.** (4.NF.B.4) All 4 pieces, each weighing $\frac{1}{2}$ pound, weigh $4 \times \frac{1}{2} = \frac{4}{2} = 2$ pounds total.
- Choice A is correct.** (4.MD.C.5) The angle extends from 0° to 40° , giving us **40°** .
- Choice D is correct.** (4.NBT.A.2) The ten-thousands digit is 2. Value: $2 \times 10,000 = 20,000$ ✓
- Choice C is correct.** (4.MD.C.5) Divide the full circle by the angle size: $360^\circ \div 45^\circ = 8$ angles fit exactly around.
- The correct answer is A, D.** (4.NBT.B.5) Calculate each: A: 520, B: 440, C: 425, D: 532, E: 399. Only A ($520 > 500$) and D ($532 > 500$) exceed 500.
- Choice B is correct.** (4.MD.A.2) The tank needs 3 liters per day for 5 days. Multiply: $3 \times 5 = 15$ liters. He needs **15** liters of water.
- Choice A is correct.** (4.MD.C.6) One ray sits on the baseline at 0° , and the other ray points to the 30° mark. Since $30^\circ < 90^\circ$, this is an acute angle. The answer is **30** degrees.
- The correct answer is 4.** (4.NF.B.3) To reach $\frac{4}{6}$, we count the unit fractions: **4** jumps of $\frac{1}{6}$ get us there.
- Choice A is correct.** (4.NF.C.5) The phrase “six tenths” appears in both the decimal form (0.6) and the fraction form ($\frac{6}{10}$).
- Choice A is correct.** (4.NBT.B.6) Divide: $2 \div 5 = 0$ r2, bring down the 8 to get $28 \div 5 = 5$ r3, bring down the 0 to get $30 \div 5 = 6$, bring down the 5 to get $5 \div 5 = 1$. The quotient is **561**.
- The correct answer is 4.** (4.NF.B.4) Count the unit fractions: $\frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6} = 4 \times \frac{1}{6} = \frac{4}{6}$. There are **4** unit fractions.
- Choice B is correct.** (4.G.A.1) The first letter of a ray name is always the starting point. Ray UV begins at U and shoots through V forever. Diagram B shows this with the arrow starting at U .
- Choice A is correct.** (4.MD.C.7) The diagram shows three parts forming a right angle. Add the two known parts: $25^\circ + 35^\circ = 60^\circ$. Then subtract: $90^\circ - 60^\circ = 30^\circ$.
- Choice B is correct.** (4.NF.B.3) The recipe calls for $\frac{1}{2}$ cup of butter plus $\frac{1}{2}$ cup of sugar. Together: $1 + 1 = 2$ halves, which equals 1 whole cup.
- Choice A is correct.** (4.NBT.B.4) Mia spent money, so we subtract. $25,000 - 12,345 = 12,655$ dollars left.
- Choice B is correct.** (4.NF.C.5) 0.35 fits perfectly between 0.3 and 0.4. The other options fall outside this range.
- Choice A is correct.** (4.NF.B.3) The pie has light blue section ($\frac{2}{8}$) and dark blue section ($\frac{3}{8}$). Total: $2 + 3 = 5$, so $\frac{2}{8} + \frac{3}{8} = \frac{5}{8}$ ✓.



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Hi, Math Champion!

◇ You trained hard! 3 full practice tests is real practice. Your math game is way better now than when you started. ◇

★ **Coach's truth:** kids who practice get better. You practiced. You got better. That's how it works!

★

Your Game Stats

- **Energy:** HIGH! You can finish a long test.
- **Smart Plays:** You know lots of strategies.
- **Calm Head:** You stay cool with hard problems.
- **Game-Day Ready:** You feel strong and prepared.

Coach's tip: the night before the test, get good sleep. Eat a good breakfast. Bring a sharp pencil. Trust your training!

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

Jay Daie

Your Math Coach

PRACTICE TODAY. SUCCEED TOMORROW!

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

With 3 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.



Prepare for Success

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

TOPICS COVERED

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- ✓ Addition & Subtraction
- ✓ Multiplication & Division
- ✓ Fractions & Decimals
- ✓ Measurement & Data
- ✓ Geometry & Shapes
- ✓ Perimeter & Area
- ✓ Word Problems
- ✓ Patterns & Algebraic Thinking
- ✓ And More!



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