

7

Idaho

ISAT

GRADE 4 MATH

PRACTICE TESTS

Standards-Aligned Review with
Mixed Practice and Answer Key



$$\begin{array}{r} 25 \\ +37 \\ \hline 62 \end{array}$$

$$\begin{array}{r} 8 \times 7 \\ = \\ 56 \end{array}$$



7 Full-Length
Practice Tests



Standards-
Aligned



Build Confidence
and Skills



Mixed Question
Types

**ANSWER
KEY**

INCLUDED

7 Idaho ISAT Grade 4 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Seven 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!

Seven steady rounds on the Gem State math route

This book gives you seven 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?

Seven tests, 210 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 5–7	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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1) What fraction is equivalent to $\frac{1}{2}$?

A. $\frac{2}{5}$

B. $\frac{3}{5}$

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

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

2) What is 19×22 ?

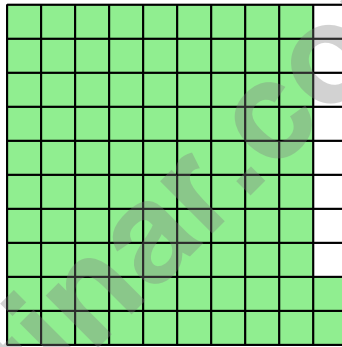
A. 418

B. 380

C. 392

D. 456

3) How many hundredths are shaded in this grid?



A. 8 hundredths or 0.08

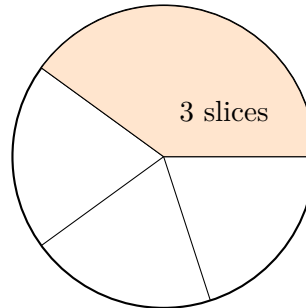
B. 80 hundredths or 0.80

C. 92 hundredths or 0.92

D. 20 hundredths or 0.20



- 4) A pie chart is divided into 5 equal slices. Each slice is $\frac{1}{5}$ of the whole. What fraction of the pie is 3 slices?

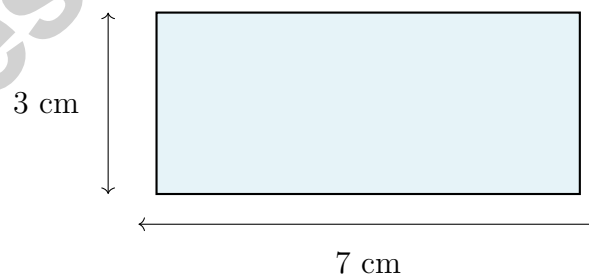


- A. $\frac{1}{5}$
 C. $\frac{5}{3}$
 B. $\frac{3}{5}$
 D. $\frac{3}{15}$

- 5) Which angle is acute?



- A. Diagram A
 C. Diagram C
 B. Diagram B
 D. Diagram D



- 6)

What is the area of the rectangle shown above?

- A. 10 sq cm
 C. 21 sq cm
 B. 20 sq cm
 D. 28 sq cm



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7) Add: $54,321 + 45,678 = ?$

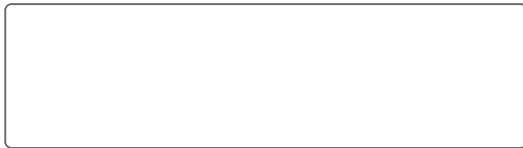
A. 99,999

C. 99,989

B. 100,099

D. 99,899

8) A growing shape pattern shows: Figure 1 has 2 squares, Figure 2 has 5 squares, Figure 3 has 8 squares. Following the pattern, how many squares are in Figure 6?



9) Marcus has 28 birthday candles. Marcus has 7 times as many candles as Sylvio. How many candles does Sylvio have?

A. 35

C. 21

B. 7

D. 4

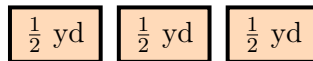
10) A shop owner buys 5 bottles of cleaner, with 12 fluid ounces in each bottle. How many fluid ounces of cleaner does he buy?

A. 17 fl oz

C. 65 fl oz

B. 60 fl oz

D. 72 fl oz



11) 3 strips, each $\frac{1}{2}$ yard

This shows 3 ribbon strips. Each strip is $\frac{1}{2}$ yard. What is the total length?

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

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

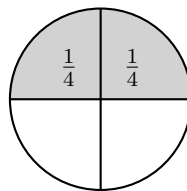
B. $\frac{3}{2}$ yards (or $1\frac{1}{2}$ yards)

D. 3 yards



1) What is 73,546 written in word form?

- A. Seventy-three thousand, fifty-six C. Seven hundred thirty-five thousand, forty-six
- B. Seven thousand, three hundred forty-six D. Seventy-three thousand, five hundred forty-six



$\frac{1}{2}$ painted

2)

A circular garden section is $\frac{1}{2}$ painted yellow. How much of the garden is not painted?

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

3) A triangle has three angles that are all less than 90 degrees. What type of triangle is it?

- A. Obtuse triangle C. Right triangle
- B. Acute triangle D. Isosceles triangle

4) Complete the sequence: 2, 5, 10, 17, __

- A. 24 C. 28
- B. 30 D. 26



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5) Using place value, what digit in 16,372 must you look at to round to the nearest thousand?

A. The ones place (2)

B. The tens place (7)

C. The hundreds place (3)

D. The thousands place (6)

6) Which pair of measurements is equivalent?

A. 2 km and 200 m

B. 4 m and 4,000 cm

C. 5 cm and 50 mm

D. 6 m and 600 mm

7) Write $2 \times \frac{1}{3}$ as a fraction.

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

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

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

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

8) Which number is NOT divisible by 2?

A. 24

B. 36

C. 49

D. 50

9) A farmer plants 5 rows of vegetables. Each row has 15 plants. How many plants does the farmer plant in total?



1) A juice bottle holds 3 liters. If Maya drinks 750 milliliters, how many milliliters are left?

- A. 750 mL C. 2,250 mL
 B. 1,500 mL D. 3,000 mL

2) Is $\frac{3}{5}$ greater than or less than $\frac{1}{2}$?

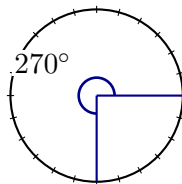
- A. Greater than $\frac{1}{2}$ C. Equal to $\frac{1}{2}$
 B. Less than $\frac{1}{2}$ D. Cannot determine

3) Aisha has 5 pet fish. Kai has 4 times as many fish as Aisha. How many fish does Kai have?

- A. 9 C. 25
 B. 15 D. 20

4) Ming has 5 bags of marbles. Each bag has $\frac{3}{10}$ pound of marbles. What is the total weight?

- A. $\frac{5}{30}$ pounds C. $\frac{3}{50}$ pounds
 B. $\frac{15}{10}$ or $1\frac{1}{2}$ pounds D. $\frac{8}{10}$ pounds



5)

This is a reflex angle measuring 270 degrees. How many one-degree angles make it?

- A. 135 one-degree angles C. 540 one-degree angles
 B. 270 one-degree angles D. 27 one-degree angles



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6) What is $6,001 - 2,345$?

A. 3,656

C. 4,656

B. 3,756

D. 3,556

7) How many $\frac{1}{8}$'s are in $\frac{7}{8}$?

A. 1

C. 8

B. 7

D. $\frac{1}{7}$

8) Which number is less than 54,200?

A. 54,300

C. 55,200

B. 54,200

D. 54,100

9) Convert $4\frac{2}{3}$ to an improper fraction.

A. $\frac{14}{3}$

C. $\frac{10}{3}$

B. $\frac{12}{3}$

D. $\frac{15}{3}$

10) Mia shaded $\frac{1}{8}$ on three different fraction bars. What is the total shaded?

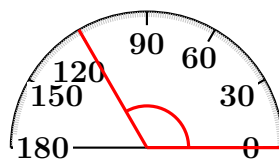
A. $\frac{1}{8}$

C. $\frac{3}{24}$

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

D. $\frac{1}{24}$

11)



A student measures an angle with a protractor. The angle opens to the 120-degree mark. What type of angle is this?

A. Acute angle

C. Obtuse angle

B. Right angle

D. Straight angle



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 C is correct.** (4.NF.A.1) Multiply both top and bottom by 3: $\frac{1}{2} = \frac{1 \times 3}{2 \times 3} = \frac{3}{6}$. This gives you more pieces, but they still cover the same amount!
- 2) **Choice A is correct.** (4.NBT.B.5) Split 22: $19 \times (20 + 2) = 380 + 38 = 418$.
- 3) **Choice C is correct.** (4.NF.C.5) The grid shows 92 shaded squares out of 100 total. That's $\frac{92}{100} = 0.92$.
- 4) **Choice B is correct.** (4.NF.B.4) The pie has 5 equal slices. Three slices means $3 \times \frac{1}{5} = \frac{3}{5}$.
- 5) **Choice C is correct.** (4.G.A.1) An acute angle is small and pointy — less than 90° . Diagram C opens just a tiny bit (around 28°), so it's acute. The others are obtuse or right angles.
- 6) **Choice C is correct.** (4.MD.A.3) From the diagram, length is 7 cm and width is 3 cm. Area = $7 \times 3 = 21$ sq cm.
- 7) **Choice A is correct.** (4.NBT.B.4) Add by place value: ones $1 + 8 = 9$, tens $2 + 7 = 9$, hundreds $3 + 6 = 9$, thousands $4 + 5 = 9$, ten-thousands $5 + 4 = 9$. The sum is **99,999**.
- 8) **The correct answer is 17.** (4.OA.B.4) Add 3 each time: 2, 5, 8, 11, 14, **17**. Figure 6 has **17** squares.
- 9) **Choice D is correct.** (4.OA.A.2) Marcus's 28 candles are 7 times Sylvio's amount. To find Sylvio's amount, divide: $28 \div 7 = 4$ candles.
- 10) **Choice B is correct.** (4.MD.A.2) Each bottle holds 12 fl oz. He buys 5 bottles, so multiply: $5 \times 12 = 60$ fl oz. He buys **60** fluid ounces total.
- 11) **Choice B is correct.** (4.NF.B.4) We have 3 ribbon strips that are each $\frac{1}{2}$ yard long. We multiply: $3 \times \frac{1}{2} = \frac{3}{2} = 1\frac{1}{2}$ yards total.
- 12) **Choice C is correct.** (4.MD.A.1) Since 1 meter = 1,000 millimeters, multiply: $3 \times 1,000 = 3,000$ mm. The answer is **3,000** mm.
- 13) **Choice D is correct.** (4.NBT.A.1) To find the minimum value, set the unknown digits (hundreds and ones) to 0. So: thousands 9, hundreds 0, tens 2, ones 0 gives **9,020**. ✓
- 14) **Choice C is correct.** (4.NBT.A.2) The ten-thousands place contains the digit 5. Its value: $5 \times 10,000 = 50,000$ ✓
- 15) **Choice C is correct.** (4.MD.C.7) When you split an angle into smaller parts, add them to find the whole: $30^\circ + 45^\circ = 75^\circ$.
- 16) **The correct answer is B, C.** (4.NF.B.4) First calculate: $3 \times \frac{2}{4} = \frac{3 \times 2}{4} = \frac{6}{4} = \frac{3}{2}$. B shows three bars with two-fourths shaded in each = $\frac{3}{2}$ ✓. C shows three bars with one-half shaded in each; since $\frac{2}{4} = \frac{1}{2}$, this also equals $\frac{3}{2}$ ✓. A has only one bar, D shows full bars, E shows six bars. The answers are **B** and **C**.
- 17) **The correct answer is 6.** (4.NF.B.3) $\frac{6}{7}$ means 6 equal pieces, each $\frac{1}{7}$. So the answer is **6** unit fractions of $\frac{1}{7}$.
- 18) **Choice D is correct.** (4.OA.A.1) Divide the larger group by the smaller: $16 \div 4 = 4$. So Group X has **4** times as many objects as Group Y.
- 19) **Choice A is correct.** (4.NF.B.3) Ava gives away $\frac{2}{8}$ from her $\frac{7}{8}$. Subtract: $7 - 2 = 5$ eighths left. Answer: $\frac{5}{8}$.
- 20) **Choice B is correct.** (4.NF.B.3) A hiking trail is shown with sections covered. Step 1: Add the distances the hikers covered: $\frac{4}{12} + \frac{4}{12} = \frac{8}{12}$. Step 2: Find what's left: $\frac{12}{12} - \frac{8}{12} = \frac{4}{12}$.
- 21) **The correct answer is $\frac{7}{3}$.** (4.NF.B.4) When we multiply $7 \times \frac{1}{3}$, we get 7 copies of $\frac{1}{3}$. This is written as the fraction $\frac{7}{3}$.
- 22) **Choice B is correct.** (4.NF.B.3) Add the wholes: $2 + 1 + 1 = 4$. Add the fractions: $\frac{5}{10} + \frac{3}{10} + \frac{1}{10} = \frac{9}{10}$. The sum is $4\frac{9}{10}$.
- 23) **Choice C is correct.** (4.G.A.2) A triangle has three sides, so it cannot have a pair of opposite sides. Parallel sides require opposite sides, which triangles do not have. Rectangles, parallelograms, and trapezoids all have parallel sides. The answer is **C**.
- 24) **Choice B is correct.** (4.G.A.3) A non-square rhombus (diamond shape) has two diagonals that each create a line of symmetry. Each diagonal splits the shape into two matching triangles. The answer is It has **2** lines of symmetry.
- 25) **Choice B is correct.** (4.MD.C.5) The angle shown measures 70° , made from **70** one-degree angles.
- 26) **Choice A is correct.** (4.NF.A.1) Both fractions have numerator 2. When numerators match, smaller denominators give bigger pieces. Since $3 < 5$, $\frac{2}{3} > \frac{2}{5}$.



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Lab Notes for a Young Scientist

Hi, Curious Scientist!

◇ 7 tests. So many experiments! You tested ideas. You watched what worked. You learned a lot. That's how scientists work—and how you work! ◇

★ **Scientists know:** mistakes are facts, not failures. Every problem you missed taught you something. You used those facts to do better next time. ★

Lab Results

- **Hypothesis:** CONFIRMED! Practice makes you better.
- **Method:** STRONG! You try, watch, and adjust.
- **Data:** CAREFUL! You read and copy numbers right.
- **Conclusion:** READY! You can do this test.

Scientist tip: on test day, stay curious. Ask, "What is this asking?" Then experiment with your math tools. You will find the answer!

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

Jay Daie

Your Math Scientist

7 FULL-LENGTH TESTS TO MASTER GRADE 4 MATH!

This **Grade 4 Math Practice Tests** book provides the practice your child needs to build strong math skills, understand key concepts, and gain the confidence to succeed on every test.

With 7 full-length practice tests, a wide range of question types, and detailed answer explanations, students will improve accuracy, strengthen problem-solving abilities, and prepare for classroom success and beyond.



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

★ CONFIDENCE IN MATH.
SUCCESS FOR LIFE.

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.



Academic Success

Strengthen skills needed for future learning.

$$\begin{array}{r} 45 \\ -17 \\ \hline 28 \end{array}$$



$$7 \times 8 = 56$$

TOPICS COVERED

- ✓ Place Value & Number Sense
- ✓ Multi-Digit Addition & Subtraction
- ✓ Multiplication & Division
- ✓ Fractions & Equivalent Fractions
- ✓ Decimals & Comparing Numbers
- ✓ Geometry & Shapes
- ✓ Measurement & Data
- ✓ Perimeter & Area
- ✓ Word Problems
- ✓ Patterns & Algebraic Thinking
- ✓ Graphs & Data Interpretation
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Mixed Question Types



Answer Key Included