

# 8

# Idaho ISAT

## GRADE 3

# MATH

## PRACTICE TESTS

Standards-Aligned Review with  
Mixed Practice and Answer Key



8 Full-Length  
Practice Tests



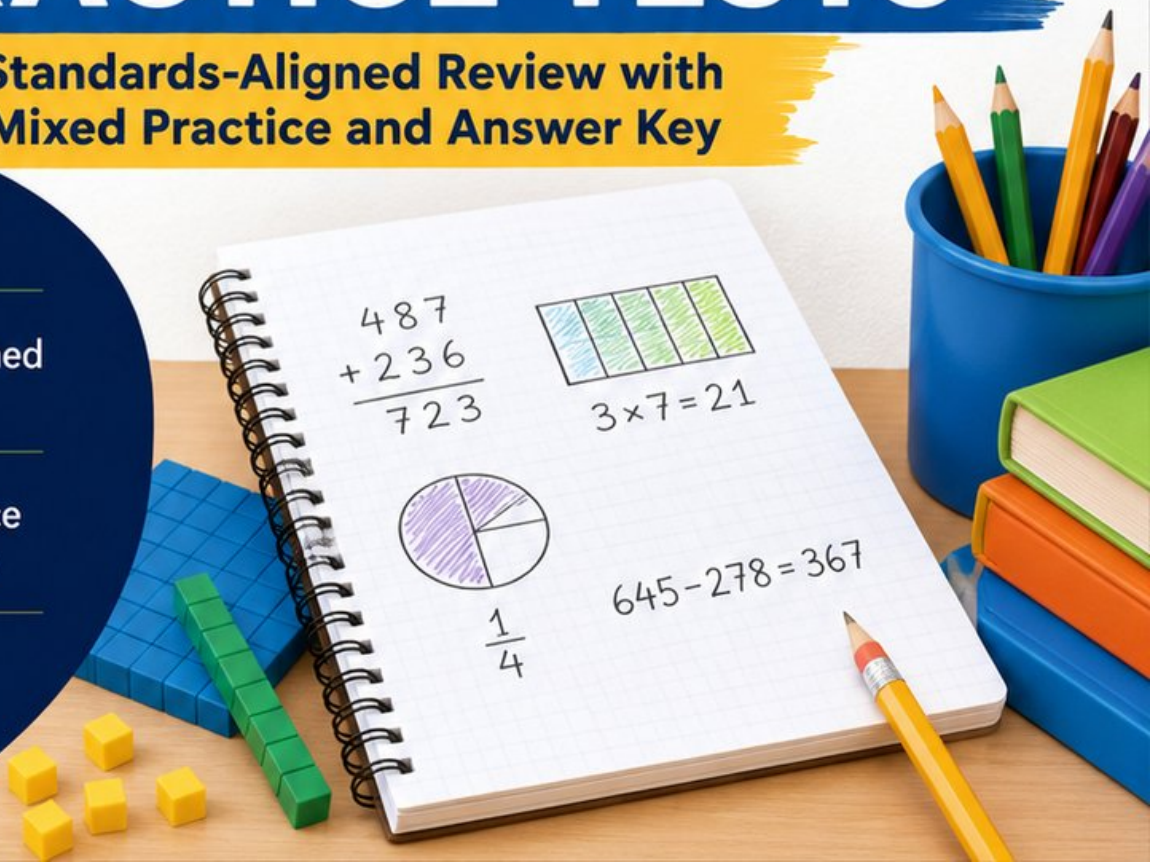
Standards-Aligned  
Questions



Build Confidence  
and Math Skills



Answer Key  
Included



# 8 Idaho ISAT Grade 3 Math Practice Tests

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

704 + 198

A = 42

1 2 3 4 5 6 7 8

8 × 7

5/6

**8**

complete practice tests

Eight complete 30-question practice rounds for Grade 3 math:  
operations, fractions, measurement, data, area, shapes, answer keys,  
and clear explanations for every item.

**Jay Daie and Reza Nazari**



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# Idaho, Your Eight-Test Math Path Begins

Eight focused rounds, one stronger Grade 3 problem solver

This book gives you eight full chances to practice like a careful test taker for the Idaho ISAT. Each test is a new route through numbers, shapes, data, measurement, and word problems. Work slowly enough to notice what the question asks, and proudly enough to show your thinking.

Idaho has mountain lakes, potato fields, canyon roads, forest trails, and clear night skies, where careful steps matter. Strong math follows that same path: notice the question, choose a tool, show the work, and use a steady plan through every turn.

## Your Idaho Math Promise

I will read the whole question, choose a smart strategy, write clear work, and check whether my answer makes sense.

**Eight rounds. Thirty questions each. One careful step at a time.**

# How to Use This Book

## A simple eight-round routine for confident review

Use this Idaho book as a practice plan, not a race. Finish one test, review it, fix a few problems, then carry one better habit into the next test.

1. **Preview the reference page.** Notice units, time, and measurement facts before you begin.
2. **Take one full test.** Circle anything that feels tricky so you can return to it.
3. **Check the answer key.** Mark correct answers and questions to try again.
4. **Read explanations.** Study missed items and lucky guesses first.
5. **Redo three problems.** Write fresh work without copying the explanation.
6. **Name one habit.** Pick a focus such as labels, facts, fractions, or neat work.
7. **Try the next test.** Bring that habit forward.
8. **Finish with a final check.** Look for growth across all eight tests.

**Best review habit:** In Idaho, strong practice means slowing down enough to see the clue. When an answer is wrong, ask, “What step would I change next time?”



# What Is Inside the Eight Tests?

## Mixed Grade 3 math practice for the ISAT

Each practice test has 30 questions. You will see multiple-choice questions, select-all questions, and open-ended questions with workspace. The mix helps students practice both choosing an answer and explaining a short mathematical result.

Part	What to Expect
Eight full tests	30 mixed Grade 3 questions in each round
Math topics	multiplication, division, place value, fractions, time, measurement, data, area, perimeter, and shapes
Answer keys	compact answer boxes for quick checking
Explanations	short reasoning for every item so mistakes become useful review
Progress pages	places to record scores, habits, and next-step goals

**Idaho focus:** The practice path starts with mountain lakes, potato fields, canyon roads, forest trails, and clear night skies. Strong math uses the same idea: know the path, follow the clues, and check the final answer.



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For more practice  
& answers

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1) A zoo keeper has 36 pounds of food. He divides it equally among 4 animals. How many pounds of food does each animal get?

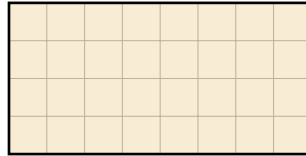
A. 9

C. 32

B. 8

D. 40

2) This shape is made of unit squares on a grid.



Count all the unit squares. What is the area?

A. 12 sq units

C. 32 sq units

B. 24 sq units

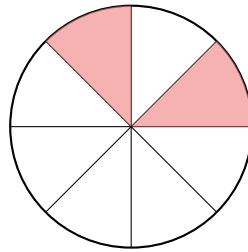
D. 36 sq units

3) Maria measured the widths of five leaves and got these results: 2 inches,  $2\frac{1}{4}$  inches,  $2\frac{1}{4}$  inches,  $2\frac{1}{2}$  inches, and 2 inches. On a line plot with a scale of 2,  $2\frac{1}{4}$ ,  $2\frac{1}{2}$ ,  $2\frac{3}{4}$ , 3 inches, how many X's would you place above the  $2\frac{1}{4}$  inch mark?





7) Here is a circle divided into 8 equal parts by lines from the center.



Two parts are shaded. What fraction is shaded?

- A.  $\frac{1}{8}$   
 B.  $\frac{2}{8}$

- C.  $\frac{3}{8}$   
 D.  $\frac{4}{8}$

8) Noah has 16 pencils. He puts them into 4 boxes equally. Which division equation shows this?

A.  $4 \times 4 = 16$

C.  $16 - 4 = 12$

B.  $16 + 4 = 20$

D.  $16 \div 4 = 4$

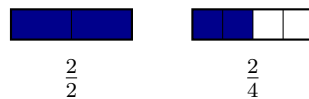
9) A large rectangle with total area 56 is split into two smaller rectangles. One is  $7 \times 6$  with area 42. Using the distributive property with the shared dimension of 7, what is the area of the second rectangle?

A. 14

C. 7

B. 42

D. 8



10)

Which symbol makes this true?  $\frac{2}{4}$  \_\_\_\_\_  $\frac{2}{2}$

A.  $<$

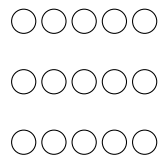
C.  $=$

B.  $>$

D.  $\neq$



1) Look at the picture. It shows 3 equal groups of circles.



Which equation matches this picture?

A.  $5 \times 4 = \square$

C.  $5 + 3 = \square$

B.  $15 \div 4 = \square$

D.  $3 \times 5 = \square$

2) Which expression is another way to show  $2 + 2 + 2 + 2 = 8$ ?

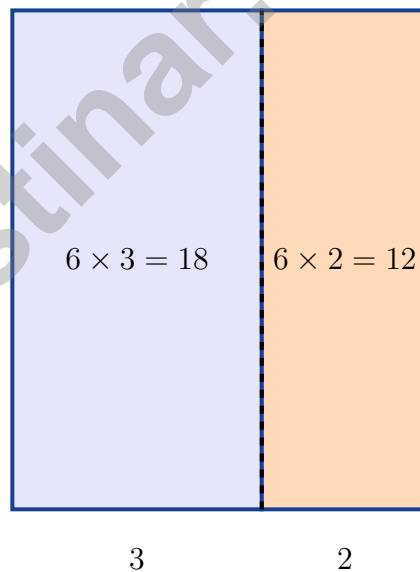
A.  $2 + 2 + 2 = 6$

C.  $2 + 4 = 6$

B.  $2 \times 8 = 16$

D.  $4 \times 2 = 8$

3) Look at this area model for  $6 \times (3 + 2)$ .



This shows that  $6 \times (3 + 2)$  equals:

A.  $18 + 2 = 20$

C.  $6 + 3 + 2 = 11$

B.  $6 \times 4$

D.  $18 + 12 = 30$



4) Eli has 35 apples. He uses 5 apples to make a pie. He divides the remaining apples equally among 6 friends. How many apples does each friend get?

A. 5

C. 7

B. 6

D. 30

5) Ava's pet kennel has room for 42 dogs. If each kennel room holds 6 dogs, how many kennel rooms does Ava need?

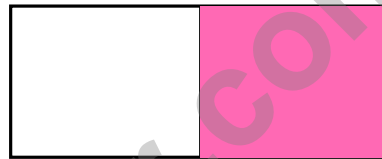
A. 36

C. 8

B. 48

D. 7

6) A rectangle has 2 equal parts. One part is shaded.



What fraction does the shaded part show?

A.  $\frac{1}{3}$

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

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

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

7) Lily has a square tablecloth with sides of 8 units each. What is the area of the tablecloth?

A. 32 sq units

C. 16 sq units

B. 48 sq units

D. 64 sq units



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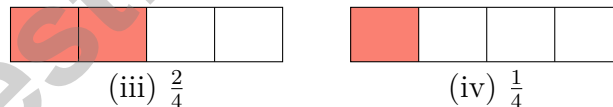
- 1) A rectangle is divided into 3 equal parts. Two parts are shaded. What fraction of the rectangle is NOT shaded?



- A.  $\frac{1}{3}$ 
 C.  $\frac{3}{3}$   
 B.  $\frac{2}{3}$ 
 D.  $\frac{1}{2}$
- 2) A number line from 0 to 1 is divided into 3 equal parts. The unit fraction is  $\frac{1}{3}$ . Where is the second tick from 0?

- A.  $\frac{1}{3}$  (the unit fraction)
  C.  $\frac{1}{6}$   
 B.  $\frac{2}{3}$  (two unit fractions)
  D.  $\frac{3}{3}$

- 3) Which visual pair shows equivalent fractions?



- A. (i) and (ii)
  C. (i) and (iii)  
 B. (ii) and (iii)
  D. (iii) and (iv)



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## Practice Test Answer Keys

**How to use this section with a Grade 3 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 A is correct.** **(3.OA.A.3)** Divide:  $36 \div 4 = 9$  pounds per animal.
- 2) **Choice C is correct.** **(3.MD.C.6)**  $8 \times 4 = 32$  unit squares.
- 3) **The correct answer is 2 X's.** **(3.MD.B.4)** Two leaves measured exactly  $2\frac{1}{4}$  inches, so there would be 2 X's above the  $2\frac{1}{4}$  mark.
- 4) **Choice C is correct.** **(3.MD.C.5)** 6 units wide by 3 units tall:  $6 \times 3 = 18$  square units.
- 5) **Choice D is correct.** **(3.OA.A.1)** The picture shows 3 columns with 4 rectangles in each column. So  $3 \times 4 = 12$  rectangles.
- 6) **Choice D is correct.** **(3.OA.B.5)** These arrays show the commutative property. One has 2 rows and 9 columns, and the other has 9 rows and 2 columns, but both have 18 squares total.
- 7) **Choice B is correct.** **(3.G.A.2)** Two shaded parts out of eight equal parts is  $\frac{2}{8}$ .
- 8) **Choice D is correct.** **(3.OA.B.6)** Dividing 16 pencils into 4 equal boxes means  $16 \div 4 = \square$ . Since  $4 \times 4 = 16$ , each box has 4 pencils.
- 9) **Choice A is correct.** **(3.MD.C.7)** Total area is 56. First rectangle is 42. Second is  $56 - 42 = 14$ , which is  $7 \times 2$  (so width is 2).
- 10) **Choice A is correct.** **(3.NF.A.3)** Two halves equals 1. Two fourths is less than 1. So  $\frac{2}{4} < \frac{2}{2}$ .
- 11) **Choice A is correct.** **(3.MD.A.1)** At 10 : 51, the minute hand points to 51 minutes, just past the 10. The hour hand is between 10 and 11, close to 11. Option 1 shows this accurately.
- 12) **The correct answer is trapezoid.** **(3.G.A.1)** There are many quadrilaterals beyond rectangles, squares, and rhombuses. A trapezoid (with one pair of parallel sides) is one example. Students may also draw an irregular quadrilateral with no parallel sides.
- 13) **Choice A is correct.** **(3.MD.C.5)**  $8 \times 3 = 24$  square units, same as Rectangle A.
- 14) **Choice D is correct.** **(3.NBT.A.3)** Skip count by 10s: 10, 20, 30. There are 3 groups of 10 stars, so  $3 \times 10 = 30$  stars total.
- 15) **Choice B is correct.** **(3.NF.A.2)**  $\frac{1}{2}$  is one out of two equal parts, which is the middle tick mark.
- 16) **Choices A and C are correct.** **(3.OA.A.4)** Equations A and C belong to the same fact family because both use the numbers 5, 7, and 35. Choices B, D, and E use different numbers.
- 17) **Choice C is correct.** **(3.MD.C.5)** Vertical part:  $3 \times 8 = 24$  sq ft. Horizontal part:  $5 \times 2 = 10$  sq ft. Total:  $24 + 10 = 34$  sq ft.
- 18) **Choice B is correct.** **(3.MD.A.2)** Read the marking on the measuring cup: 200 mL.
- 19) **Choice B is correct.** **(3.MD.B.3)** First bar:  $4 \times 5 = 20$ . Second bar:  $2 \times 5 = 10$ . Difference:  $20 - 10 = 10$ .
- 20) **The correct answer is 8.** **(3.OA.A.2)**  $16 \div 2 = 8$ .
- 21) **Choice D is correct.** **(3.NF.A.3)**  $\frac{6}{8}$  and  $\frac{3}{4}$  mark the same point on the line.
- 22) **Choice A is correct.** **(3.MD.C.7)** A square with side 3 has area  $3 \times 3 = 9$  square inches.
- 23) **Choice B is correct.** **(3.OA.D.8)** Step 1: Divide:  $36 \div 4 = 9$  cupcakes per box. Step 2: Find unsold:  $4 - 2 = 2$  boxes left, which is  $2 \times 9 = 18$  cupcakes. (Choice A is step 1 only.)
- 24) **Choice A is correct.** **(3.MD.C.6)** The rectangle is 4 by 2, so it has 8 unit squares total. A vertical line through the middle divides it into two 2-by-2 sections of 4 each.
- 25) **Choice A is correct.** **(3.NF.A.1)** One of eight equal sections is  $\frac{1}{8}$ .
- 26) **Choice A is correct.** **(3.NBT.A.1)** The tens digit is 4. Since  $4 < 5$ , round down: 945 rounds to 900.
- 27) **Choice D is correct.** **(3.OA.D.9)** Skip counting by 2 always gives even numbers: 2, 4, 6, 8, 10, ...
- 28) **Choice A is correct.** **(3.NBT.A.2)** Round 456 to 500 and 237 to 200. Estimate:  $500 + 200 = 700$ . Mia's answer 693 is very close to 700, so it is reasonable. (Exact:  $456 + 237 = 693$  is correct.)
- 29) **Choice A is correct.** **(3.NF.A.3)** Both bars show the same shaded length.  $\frac{2}{3} = \frac{4}{6}$  because  $\frac{2 \times 2}{3 \times 2} = \frac{4}{6}$ .



## Hi, Math Detective!

◇ You did such a great job! You finished 8 tests like a real detective. You found the clues, used your tools, and solved the math. ◇

★ **Detectives know:** good work takes time. You took your time. You looked carefully. You found the answers! ★

### Your Detective Skills

- **Sharp Eyes:** You notice the small details.
- **Smart Plans:** You pick the right way to solve.
- **Brave Heart:** You try even when it's tricky.
- **Steady Work:** You finish what you start.

**Detective tip:** on test day, look carefully at each problem. Underline important words. Then solve like the detective you are!

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 Detective Helper

Testinar.com

# PRACTICE TODAY. MASTER TOMORROW.

This book is designed to help **Grade 3** students strengthen their math skills through focused practice and real progress.

- ✓ 8 full-length practice tests
- ✓ Aligned to Grade 3 standards
- ✓ Build confidence and achieve success



## EACH PRACTICE TEST INCLUDES:



Standards-  
Aligned  
Questions



Variety of  
Question  
Types



Real-World  
Math  
Applications



Step-by-Step  
Progress  
Tracking



Build Skills  
and Boost  
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- ✓ Number Patterns
- ✓ Word Problems
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