

5

Idaho

ISAT

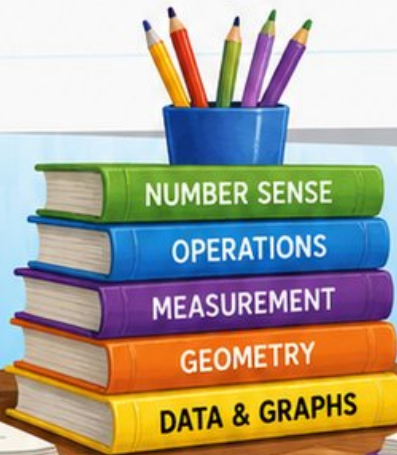
GRADE 3

MATH

PRACTICE TESTS

Standards-Aligned Practice with  
Review, Answer Keys, and Explanations

$24 \div 3 = 8$



5 FULL-LENGTH  
PRACTICE TESTS



STANDARDS-  
ALIGNED  
PRACTICE



DETAILED  
ANSWER KEYS



CLEAR  
EXPLANATIONS  
TO HELP YOU SUCCEED

# 5 Idaho ISAT Grade 3 Math Practice Tests

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



Five focused 30-question checkpoints for Grade 3 math: facts, fractions, measurement, data, area, shapes, answer keys, and clear explanations for every item.

**Jay Daie and Reza Nazari**



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# Welcome to the Five Checkpoint Quest

Five tests, five fresh starts, and one stronger Grade 3 thinker



Read. Model. Solve. Check. Grow.

## To the Grade 3 Math Explorer

This book gives you five practice checkpoints for the Idaho ISAT. Each checkpoint is a full 30-question test, so you can practice stamina, accuracy, and the habit of showing what you know.

Idaho has mountain lakes, river canyons, potato fields, and wide places where steady work goes far. Strong math uses the same kind of careful planning: look at the path, choose a tool, and check your work before moving ahead.

### Notice

Circle key words, units, and numbers before you start.

### Build

Use arrays, number lines, equations, tables, or sketches.

### Verify

Ask, "Does this answer fit the question?"

**Five-checkpoint promise:** I will try each test with patience, mark my mistakes honestly, and use every correction to make the next checkpoint stronger.

# How to Use This Book

A five-step routine for steady Grade 3 growth

Use one checkpoint at a time. A good pace is one test, one careful review, and one short skill tune-up before the next test.

1. **Preview the tools.** Skim the reference page and remember where multiplication, fractions, measurement, and shapes appear.
2. **Take one full test.** Work neatly. If a problem feels stuck, mark it and keep moving.
3. **Check the answer key.** Notice the question type: multiple choice, select all, or open-ended.
4. **Study explanations.** Pick two missed questions and redo them without looking.
5. **Choose the next focus.** Write one habit to carry into the next checkpoint.

**Best review habit:** Do not just ask, “What was the answer?” Ask, “What clue did I miss, and what tool should I try next time?”



## What Is Inside?

Five complete practice tests with review support

Part	What You Do	Why It Helps
Practice Tests 1–5	Solve five different 30-question tests.	Build stamina and see many Grade 3 skills mixed together.
Answer Keys	Check each answer in compact boxes.	Find mistakes quickly without losing your place.
Explanations	Read the reason behind each answer.	Turn missed items into a clear next step.
Standards Reference	See how Idaho Grade 3 standards connect to practice.	Understand the skills behind the questions.

Each test has 26 multiple-choice questions, 1 select-all question, and 3 open-ended questions. That mix gives students practice with quick choices, careful reasoning, and short written answers.



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For more practice  
& answers

# Table of Contents

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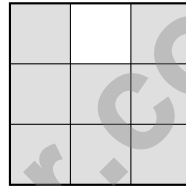
5) A rectangle can be divided into unit squares arranged in 8 rows. If each row has 5 unit squares, what is the total area?

- A. 13 sq units  
 B. 40 sq units  
 C. 80 sq units  
 D. 64 sq units

6) What is  $7 \times 9$ ?

- A. 56  
 B. 63  
 C. 70  
 D. 81

7) Eli sees a checkerboard with a  $3 \times 3$  pattern of unit squares. How many unit squares are on the board?



A. 6 unit squares  
 B. 8 unit squares  
 C. 9 unit squares  
 D. 12 unit squares

8) Quinn has 3 baskets with 5 apples in each. Quinn gives away 3 apples. How many apples does Quinn have left?

- A. 8  
 B. 12  
 C. 15  
 D. 18

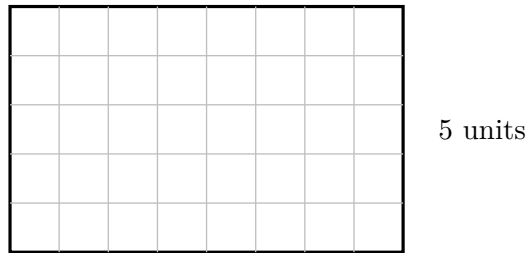
9) What number makes the equation true?

$$\square \div 6 = 4$$

- A. 20  
 B. 22  
 C. 26  
 D. 24



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10) 8 units

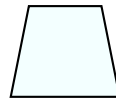
Count the unit squares. What is the area of the rectangle?

- A. 40 sq units                       C. 13 sq units  
 B. 32 sq units                       D. 64 sq units

11) Two students are solving  $3 \times 6$ . Amelia says the answer is 18. James says the answer is 9. Who is correct?

- A. They are both incorrect                       C. They are both correct  
 B. James is correct                                       D. Amelia is correct

12) Find  $4 \times (5 + 3)$ .



Quadrilateral

13)

This quadrilateral has two pairs of opposite sides that are parallel. Which name best describes this shape?

- A. Trapezoid     C. Parallelogram  
 B. Pentagon     D. Hexagon



1) A bar graph shows hours practiced. Piano: 6 units (scale: 2 hours per unit). Guitar: 4 units (scale: 2 hours per unit). How many more hours was piano practiced?

- A. 2                                       C. 8  
 B. 4                                       D. 12

2) Which pair shows equivalent fractions?

- A.  $\frac{1}{3}$  and  $\frac{2}{3}$                                        C.  $\frac{2}{6}$  and  $\frac{1}{3}$   
 B.  $\frac{1}{4}$  and  $\frac{3}{8}$                                        D.  $\frac{3}{4}$  and  $\frac{2}{3}$

3) Look at this partial multiplication table. What number is missing?

×	6	7	8	9
5	30	35	40	45
6	36	42	48	?

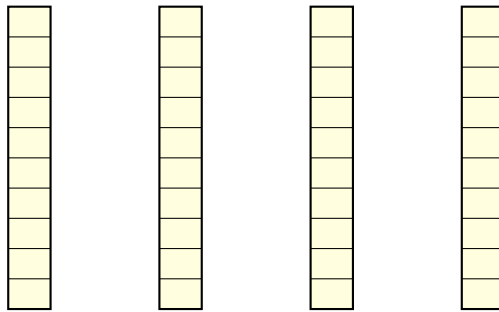
What is  $6 \times 9$ ?

- A. 48                                       C. 54  
 B. 52                                       D. 56
- 4) Mr. Kim buys 6 cases of juice with 9 bottles in each case. He donates 15 bottles to the school. How many bottles does he have left?
- A. 24                                       C. 48  
 B. 39                                       D. 54





1) How many units are shown by these base-ten rods?



$$4 \times 10 = ?$$

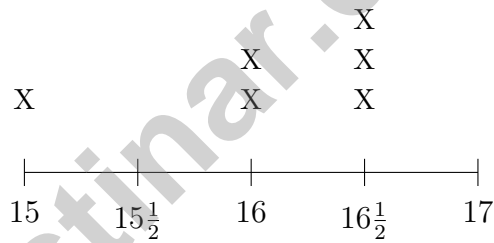
A. 14

C. 410

B. 40

D. 140

2) Noah recorded bird wing spans in inches with halves: 15,  $15\frac{1}{2}$ , 16,  $16\frac{1}{2}$ , 17.



Which wing span is the mode?

A. 15 inches

C.  $16\frac{1}{2}$  inches

B. 16 inches

D. 17 inches



3) A bar graph shows toy cars. The scale shows 10 cars per unit. Eli's bar is 2 units tall. How many cars does Eli have?

A. 12

C. 30

B. 20

D. 40

4) Complete  $\frac{2}{4} = \frac{?}{8}$ .

5) A number line from 0 to 1 is divided so there are exactly 4 equal parts. If you mark the first partition, what fraction do you mark?

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

C.  $\frac{1}{5}$

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

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

6) Find  $\frac{9}{3}$ .

7) A rectangle has width 4 units and length 5 units. It has 5 rows with 4 unit squares in each row. Using repeated addition:  $4 + 4 + 4 + 4 + 4 = ?$

A. 9 sq units

C. 15 sq units

B. 20 sq units

D. 16 sq units



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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 B is correct.** **(3.MD.B.3)** Class A:  $5 \times 10 = 50$ . Class B:  $3 \times 10 = 30$ . Difference:  $50 - 30 = 20$ .
- 2) **Choice A is correct.** **(3.OA.A.2)**  $18 \div 3 = 6$ . Divide the total number of pencils by the number of boxes.
- 3) **Choice C is correct.** **(3.NF.A.1)** Picture C shows a rectangle divided into 4 equal parts with 1 part shaded, which is  $\frac{1}{4}$ .
- 4) **Choice B is correct.** **(3.MD.C.5)** The shaded rectangle is 5 units wide and 2 units tall.  $5 \times 2 = 10$  square units.
- 5) **Choice B is correct.** **(3.MD.C.5b)**  $8 \times 5 = 40$  unit squares, so area is 40 square units.
- 6) **Choice B is correct.** **(3.OA.C.7)**  $7 \times 9 = 63$ . Think:  $7 \times 10 = 70$ , then subtract one group of 7:  $70 - 7 = 63$ . Choice C is  $7 \times 10$ ; choice A is  $7 \times 8$ .
- 7) **Choice C is correct.** **(3.MD.C.5a)** A  $3 \times 3$  checkerboard contains  $3 \times 3 = 9$  unit squares.
- 8) **Choice B is correct.** **(3.OA.D.8)** Step 1: Multiply:  $3 \times 5 = 15$  apples. Step 2: Subtract:  $15 - 3 = 12$  apples left. (Choice C is step 1 only; choice A miscalculates step 2.)
- 9) **Choice D is correct.** **(3.OA.A.4)** Multiply:  $4 \times 6 = 24$ . Check:  $24 \div 6 = 4$ .
- 10) **Choice A is correct.** **(3.MD.C.7)** The grid has 8 columns and 5 rows. Area =  $8 \times 5 = 40$  square units. You can also add:  $8 + 8 + 8 + 8 + 8 = 40$  (five rows of eight).
- 11) **Choice D is correct.** **(3.OA.A.1)**  $3 \times 6 = 18$  (three groups of six). James added  $3 + 6 = 9$  instead of multiplying.
- 12) **The correct answer is 32 square units.** **(3.MD.C.7c)**  $5 + 3 = 8$ , and  $4 \times 8 = 32$  square units.
- 13) **Choice C is correct.** **(3.G.A.1)** A quadrilateral with two pairs of parallel sides is called a parallelogram. A trapezoid has only one pair of parallel sides.
- 14) **Choice B is correct.** **(3.MD.C.7b)** Area = length  $\times$  width =  $7 \times 5 = 35$  square feet. Choice A (12) is the sum  $7 + 5$ ; Choice C (24) is common product error; Choice D (70) is double the area.
- 15) **Choice B is correct.** **(3.NF.A.3d)** Same numerator: thirds have bigger pieces than sixths. One third is greater than one sixth.
- 16) **Choice B is correct.** **(3.NF.A.3b)** Multiply numerator and denominator by 2:  $\frac{2 \times 2}{4 \times 2} = \frac{4}{8}$ .
- 17) **Choices A and B are correct.** **(3.NBT.A.3)**  $5 \times 70 = 350$  (multiply  $5 \times 7 = 35$ , add zero).  $7 \times 50 = 350$  (multiply  $7 \times 5 = 35$ , add zero). C:  $7 \times 30 = 210$ . D:  $5 \times 60 = 300$ . E:  $5 \times 50 = 250$ . Choices A and B equal 350.
- 18) **Choice B is correct.** **(3.MD.C.7d)** Add all three parts:  $10 + 6 + 6 = 22$  square units.
- 19) **The correct answer is  $\frac{3}{4}$ .** **(3.G.A.2)** Three shaded parts out of 4 equal parts is  $\frac{3}{4}$ .
- 20) **Choice A is correct.** **(3.OA.B.6)** This problem requires division:  $24 \div 8 = \square$ . We use the unknown-factor strategy:  $\square \times 8 = 24$ . The multiplication fact  $8 \times 3 = 24$  tells us each student gets 3 crayons. We find the missing factor using multiplication.
- 21) **Choice B is correct.** **(3.MD.A.1)**  $7 : 20 + 87 \text{ min} = 7 : 20 + 60 \text{ min} + 27 \text{ min} = 8 : 20 + 27 \text{ min} = 8 : 47 \text{ PM}$ .
- 22) **Choice A is correct.** **(3.NF.A.2a)** One of eight equal parts is called one eighth.
- 23) **Choice C is correct.** **(3.NF.A.2)** Moving right from  $\frac{2}{4}$ , the next tick mark shows  $\frac{3}{4}$ .
- 24) **Choice D is correct.** **(3.OA.D.9)** Skip counting by an even number always gives all even numbers.
- 25) **Choice C is correct.** **(3.NF.A.3c)** 2 equals  $\frac{2}{1}$  (two wholes divided into one part each).
- 26) **Choice B is correct.** **(3.MD.B.4)** Add known days:  $2 + 3 + 2 + 1 = 8$ . Subtract from total:  $10 - 8 = 2$  days with 2 inches.
- 27) **The correct answer is 27 sq m.** **(3.MD.C.6)** Accept any counting strategy (row-add or column-add). Students should show repeated addition or skip-counting.
- 28) **Choice A is correct.** **(3.OA.B.5)** By the distributive property,  $3 \times (4 + 5) = 3 \times 4 + 3 \times 5 = 12 + 15 = 27$ .
- 29) **Choice B is correct.** **(3.MD.A.2)** 2 L = 2000 mL is the largest volume.
- 30) **Choice A is correct.** **(3.NBT.A.1)** Numbers from 250 to 349 round to 300. Choice A (249) has tens digit  $4 < 5$ , so it rounds to 200, not 300. The other choices are all within the range 250–349.



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For more practice  
& answers

## Hi, Brave Trail-Walker!

◇ You walked all 5 miles of the practice trail. Smooth paths, steep climbs, narrow passes. Every step taught you something. ◇

★ **Trail guides know:** the most important thing is to keep moving. Slow steps still get you there. You have a steady stride now. ★

### Trail Survey

- **Route Knowledge:** You know lots of problem types.
- **Steady Pace:** You don't rush. You don't stop.
- **Pack Loaded:** You have all the math tools you need.
- **Confidence:** You trust your training.

**Guide's tip:** on test day, stay on the trail you've walked before. Use the strategies you've practiced. Trust the route. The summit is one steady walk away!

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 Trail Guide

# Build Skills. Boost Confidence. Excel in Grade 3 Math!

This book provides 5 full-length Grade 3 math practice tests that follow standards and help students achieve real results.



## 5 Full-Length Practice Tests

Realistic tests to build stamina and familiarity.



## Standards-Aligned Practice

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## Answer Keys & Explanations

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- ✓ And More!



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and practice materials!



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

$$\begin{array}{r} 36 \\ \div 4 = 9 \end{array}$$

$$\begin{array}{r} 452 \\ - 178 \\ \hline = 274 \end{array}$$



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& Review