

9

# Idaho ISAT

## GRADE 3 MATH PRACTICE TESTS

COMPLETE STANDARDS REVIEW WITH SKILL PRACTICE,  
WORD PROBLEMS, AND ANSWER KEY

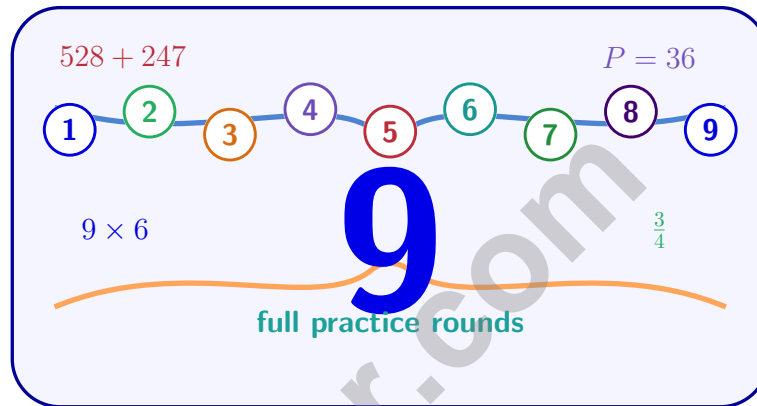


10

FOR THE COMPREHENSIVE ASSESSMENT PROGRAM

# 9 Idaho ISAT Grade 3 Math Practice Tests

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



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

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# Idaho, Start Your Nine-Round Math Trail

A curious Grade 3 challenge from first try to confident finish

This book gives you nine chances to practice like a thoughtful Idaho ISAT test taker. Each round mixes numbers, shapes, fractions, data, measurement, and word problems so your brain learns to switch skills calmly.

Idaho has mountain lakes, potato fields, canyon roads, forest trails, and clear night skies, where careful steps matter. Strong math follows that same idea: reason what the question asks, choose a useful tool, show the work, and estimate before moving on.

## Your Idaho Math Promise

I will slow down enough to understand the question. I will show the work that helps me think. I will use mistakes as practice fuel, then try again with a sharper plan.

**Nine rounds is not about rushing. It is about building a math habit that stays strong.**

# How to Use This Book

A nine-session routine for clear Idaho review

1. **Warm up first.** Read the quick review pages and remind yourself of the big ideas.
2. **Take one test at a time.** Work without rushing. Circle words, sketch models, and label units.
3. **Check the answer key.** Mark correct answers, then star questions that need another look.
4. **Read explanations after trying again.** The explanation works best after your brain has wrestled with the problem.
5. **Use the growth log.** Track the score, one strong habit, and one skill to practice next.

**Good rhythm:** Test one day, review the next day, then take the next test when your corrections feel clear. In Idaho, that steady routine turns nine tests into one organized prep plan.



# What Is Inside the Nine Tests?

Mixed Grade 3 practice with ISAT support

Part	What You Practice
Nine full tests	30 mixed Grade 3 questions in each round
Question styles	Multiple choice, select-all, and open-ended work spaces
Math topics	Operations, patterns, rounding, fractions, measurement, data, area, perimeter, and shapes
Answer support	Compact answer keys plus explanations for every item
Standards help	A Idaho standards reference and standard-code boxes in explanations

**Why mixed practice helps:** Real tests do not announce the next skill. These nine rounds help students recognize the math move they need, even when the topic changes from question to question.



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1) Noah lists products of 3: 3, 6, 9, 12, 15, 18, 21, 24.

Which property explains why each product increases by 3?

- A. Because 3 is odd
- B. Because 3 is in the ones place
- C. Because these numbers are less than 30
- D. Because we multiply 3 by 1, then 2, then 3, then 4, etc.

2) A square frame is made of wood. Each side is 5 inches. If you wanted to cover the area inside the frame with paper, how much paper would you need?

- A. 10 square inches
- B. 20 square inches
- C. 25 square inches
- D. 5 square inches

3) What is  $7 \times 90$ ?

- A. 63 (forgot the zero)
- B. 6300 (added two zeros)
- C. 79 (added the digits)
- D. 630

4) Which shape is always a rhombus, but NOT always a square?

- A. Rectangle
- B. Rhombus with angles that are not right angles
- C. Trapezoid
- D. Pentagon

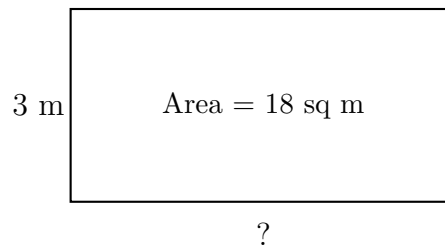
5) A rectangle is divided into 2 equal parts. One part is shaded.



What unit fraction is shaded?

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





6)

A rectangular field has an area of 18 square meters and a height of 3 meters. What is the length?

- A. 6 meters                       C. 21 meters  
 B. 15 meters                     D. 9 meters

7) A picture graph shows toy soldiers in a collection. Each soldier drawing is 10 soldiers. Carlos has 3 drawings. How many soldiers does Carlos have?

- A. 13                                 C. 30  
 B. 20                                 D. 40

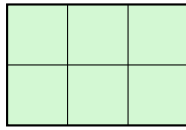
8) Eli ate  $\frac{3}{3}$  of a granola bar. Mia ate  $\frac{2}{3}$  of a granola bar of the same size. Who ate more?

- A. Eli                                 C. They ate the same amount  
 B. Mia                                 D. Cannot compare the fractions

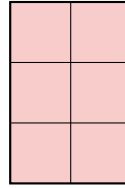
9) A square tile has sides of 6 centimeters. How many unit squares cover the tile? Explain how you counted: did you count by rows or skip-count?



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Shape 1



Shape 2

10)

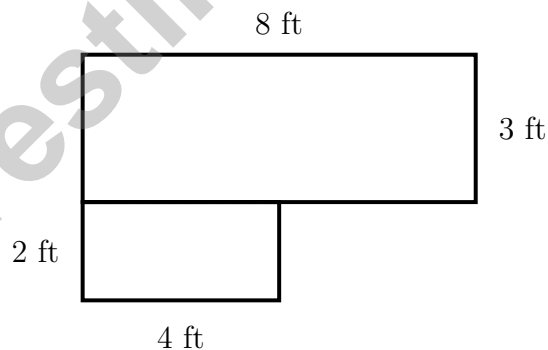
Shape 1 has an area of 6 square units. Shape 2 has an area of 6 square units. Which statement is correct?

- A. Shape 1 is larger                       C. Both shapes have the same area  
 B. Shape 2 is larger                       D. Shape 1 has no area

11) Which fact family includes the division  $56 \div 8 = 7$ ?

- A.  $6 \times 8 = 48$ ,  $48 \div 6 = 8$ ,  $48 \div 8 = 6$      C.  $8 \times 8 = 64$ ,  $64 \div 8 = 8$   
 B.  $7 \times 7 = 49$ ,  $49 \div 7 = 7$                        D.  $7 \times 8 = 56$ ,  $56 \div 7 = 8$ ,  $56 \div 8 = 7$

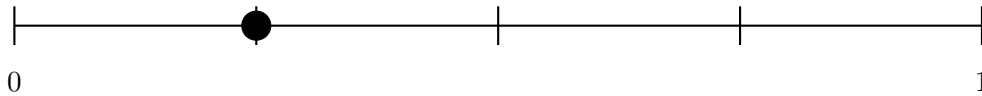
12) An L-shaped pool is made of two rectangles. The first is 8 ft long and 3 ft wide. The second is 4 ft long and 2 ft wide. What is the total area?



- A. 24 sq ft                                       C. 48 sq ft  
 B. 8 sq ft                                         D. 32 sq ft

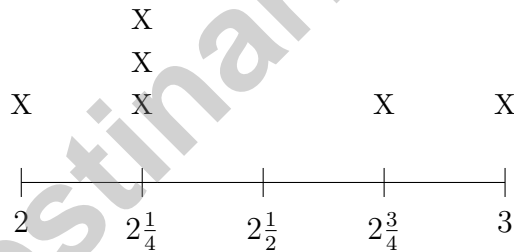


- 1) A number line shows the distance from 0 to 1 split into 4 equal parts. Where is  $\frac{1}{4}$  located?



- A. At the first tick mark                       C. At the third tick mark  
 B. At the second tick mark                       D. At the fourth tick mark
- 2) On a number line split into 4 equal parts, which tick represents  $\frac{3}{4}$ ?

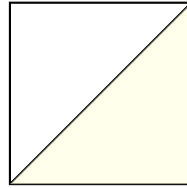
- 3) A line plot shows toy car weights in ounces with quarter marks:  $2, 2\frac{1}{4}, 2\frac{1}{2}, 2\frac{3}{4}, 3$ .



How many toy cars weigh at most  $2\frac{1}{2}$  ounces?

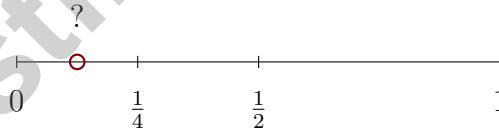
- A. 3     C. 5  
 B. 4     D. 6

- 4) A square is divided into 2 equal parts by a diagonal line. What fraction is one part?



- A.  $\frac{1}{3}$                        C.  $\frac{1}{4}$   
 B.  $\frac{2}{2}$                        D.  $\frac{1}{2}$
- 5) A rectangle has length 8 yards and width 1 yard. What is the area?
- A. 8 sq yd                       C. 9 sq yd  
 B. 7 sq yd                       D. 16 sq yd
- 6) A factory packages 90 toys equally into 9 crates. They ship away 4 crates. How many toys remain?
- A. 45                               C. 55  
 B. 60                               D. 50

7)



The red dot is between 0 and  $\frac{1}{4}$ . What fraction could it be?

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



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1) Which product is greater,  $7 \times 8$  or  $8 \times 7$ ?

- A.  $7 \times 8$  is greater  
 B.  $8 \times 7$  is greater  
 C. They are equal  
 D. You cannot tell without multiplying

2) Which fraction bar pair shows equivalent fractions (same shaded region size)?

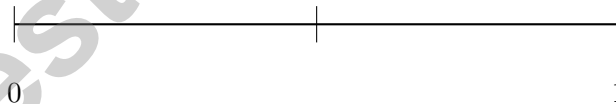
Option 1:  $\frac{2}{4}$  

Option 2:  $\frac{1}{2}$  

- A. The bars are not the same length.  
 B. No, Option 2 is larger.  
 C. No, Option 1 is larger.  
 D. Yes, they are equivalent.
- 3) Which is true?

- A.  $\frac{1}{8} > \frac{1}{4}$  (8 pieces, so more)  
 B.  $\frac{1}{8} < \frac{1}{4}$  (eighths are smaller pieces)  
 C.  $\frac{1}{8} = \frac{1}{4}$   
 D.  $\frac{1}{4} < \frac{1}{8}$  (quarter is less than an eighth)

4) This is a number line from 0 to 1 divided into equal parts. How many parts do you see?



- A. 1 part  
 B. 2 parts  
 C. 3 parts  
 D. 4 parts



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5) A baker puts 6 cupcakes in each box. If he has 9 boxes, how many cupcakes does he have in total?

A. 15

B. 45

C. 63

D. 54

6) Look at this pattern: 10, 20, 30, 40.  
What is the next number?

A. 45

B. 60

C. 55

D. 50

7) A baker needs to multiply 400 g of sugar by 2 to make a bigger batch. How many grams of sugar does he need?

A. 400 g

B. 600 g

C. 800 g

D. 1000 g

8)



The bar model shows part of a subtraction problem. If the total is 523 and one part is 245, what is the other part?

A. 278

B. 288

C. 378

D. 268

9) Sam has 6 boxes of crayons. Each box has 10 crayons. How many crayons does Sam have in total?



## 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

- Choice D is correct.** **(3.OA.D.9)**  $3 \times 1 = 3$ ,  $3 \times 2 = 6$ ,  $3 \times 3 = 9$ , etc. The difference between consecutive products is always 3.
- Choice C is correct.** **(3.MD.C.5)** To cover the inside area of a square frame with side 5 inches, you need  $5 \times 5 = 25$  square inches of paper.
- Choice D is correct.** **(3.NBT.A.3)** Multiply  $7 \times 9 = 63$ , then multiply by 10 to get 630:  $7 \times 90 = (7 \times 9) \times 10 = 63 \times 10 = 630$ .
- Choice B is correct.** **(3.G.A.1)** A rhombus with angles that are not right angles has 4 equal sides but no right angles, so it is a rhombus but not a square.
- Choice B is correct.** **(3.NF.A.1)** The rectangle is divided into 2 equal parts with 1 shaded, so the fraction is  $\frac{1}{2}$  (one-half).
- Choice A is correct.** **(3.MD.D.8)** Since area = length  $\times$  height, we have  $18 = \text{length} \times 3$ . Therefore, length =  $18 \div 3 = 6$  meters. Choice B (15) subtracts from area; C (21) adds; D (9) is half of area.
- Choice C is correct.** **(3.MD.B.3)**  $3 \times 10 = 30$  soldiers.
- Choice A is correct.** **(3.NF.A.3)** Eli ate the whole bar because  $\frac{3}{3} = 1$ . Mia ate less than the whole bar, so Eli ate more.
- The correct answer is 36 sq cm.** **(3.MD.C.6)** Since it's a square, both rows and columns equal 6. Students should show repeated addition.
- Choice C is correct.** **(3.MD.C.6)** Both shapes are made of 6 unit squares, so both have area 6 square units, even though they have different dimensions.
- Choice D is correct.** **(3.OA.B.6)** The fact family for  $7 \times 8 = 56$  includes both  $56 \div 7 = 8$  and  $56 \div 8 = 7$ .
- Choice D is correct.** **(3.MD.C.5)** Rectangle 1:  $8 \times 3 = 24$  sq ft. Rectangle 2:  $4 \times 2 = 8$  sq ft. Total:  $24 + 8 = 32$  sq ft.
- Choice D is correct.** **(3.OA.A.3)** Area = length  $\times$  width =  $9 \times 4 = 36$  cm<sup>2</sup>.
- Choices A and B are correct.** **(3.NF.A.2)**  $\frac{1}{2} = \frac{2}{4}$  because both represent the same distance: halfway from 0 to 1. The other fractions name different points.
- Choice C is correct.** **(3.NBT.A.1)** For 567: ones digit is  $7 \geq 5$ , so it rounds up to the nearest 10, which is 570.
- Choice B is correct.** **(3.G.A.2)** 8 fourths  $\div$  4 fourths per whole =  $8 \div 4 = 2$  wholes. The bar shows 2 full sections (thick line at middle).
- Choice A is correct.** **(3.NF.A.3)** Both bars show the same amount shaded.  $\frac{1}{2}$  and  $\frac{2}{4}$  are equal.
- Choice D is correct.** **(3.OA.A.1)**  $4 \times 5$  means "4 groups of 5" (or  $5 + 5 + 5 + 5$ ). Each group has 5 objects, and there are 4 groups.
- Choice B is correct.** **(3.NF.A.2)** Point W at 2 is the 4th half-mark:  $\frac{4}{2} = 2$ .
- The correct answer is 56 unit squares.** **(3.MD.C.5)** Count the rows: 8 rows. Count across: 7 unit squares per row. Total:  $7 + 7 + 7 + 7 + 7 + 7 + 7 + 7 = 56$  unit squares.
- Choice A is correct.** **(3.OA.A.3)**  $6 \times 7 = 42$  and  $9 \times 5 = 45$ . Since  $42 < 45$ ,  $6 \times 7$  is less than  $9 \times 5$ .
- Choice B is correct.** **(3.G.A.2)**  $\frac{2}{3}$  of a rectangle with 3 equal parts means 2 parts are shaded.
- Choice B is correct.** **(3.NF.A.1)** Six tick marks create five equal segments. The unit fraction is  $\frac{1}{5}$ .
- Choice D is correct.** **(3.OA.A.4)** Use the inverse:  $9 \times 6 = 54$ , so  $54 \div 6 = 9$ .
- Choice C is correct.** **(3.MD.A.2)** Read directly from the measuring cup: 500 mL.
- Choice D is correct.** **(3.OA.A.2)**  $28 \div 4 = 7$ . The 28 flowers are shared equally among 4 vases.
- Choice C is correct.** **(3.NF.A.2)**  $\frac{4}{6} = \frac{2}{3}$ . Both equal two-thirds.
- Choice D is correct.** **(3.OA.D.8)** Step 1: Total chickens:  $3 \times 7 = 21$  chickens. Step 2: Subtract sold:  $21 - 6 = 15$  chickens left.
- The correct answer is  $\frac{4}{6}$ .** **(3.NF.A.3)** Multiply the numerator and denominator by 2:  $\frac{2 \times 2}{3 \times 2} = \frac{4}{6}$ .
- Choice A is correct.** **(3.MD.A.1)** The minute hand points to 11 minutes (just past the 2), and the hour hand is just past 2. The time is 2 : 11.



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**Notes From Your Math Builder**

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**Hi, Math Builder!**

◇ Through 9 practice tests, you built your math house brick by brick. The walls are strong. The roof is on. You are ready for anything test day brings. ◇

★ **Builders know:** good plans make strong houses. You learned to plan, then build. That helps with any problem. ★

**Builder's Tools**

- **Foundation:** ROCK SOLID. Math facts are in place.
- **Frame:** STRONG. You can break problems into parts.
- **Walls:** TIDY. Your work is neat and clear.
- **Roof:** DONE. You always answer the question.

**Builder tip:** on test day, build each answer like a tiny house. Read first. Plan next. Do the math. Then check!

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 Builder

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Aligned to Standards



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