

8

Indiana I LEARN

GRADE 3

MATH

PRACTICE TESTS

Standards-Aligned Review with
Mixed Practice and Answer Key



8 Full-Length
Practice Tests



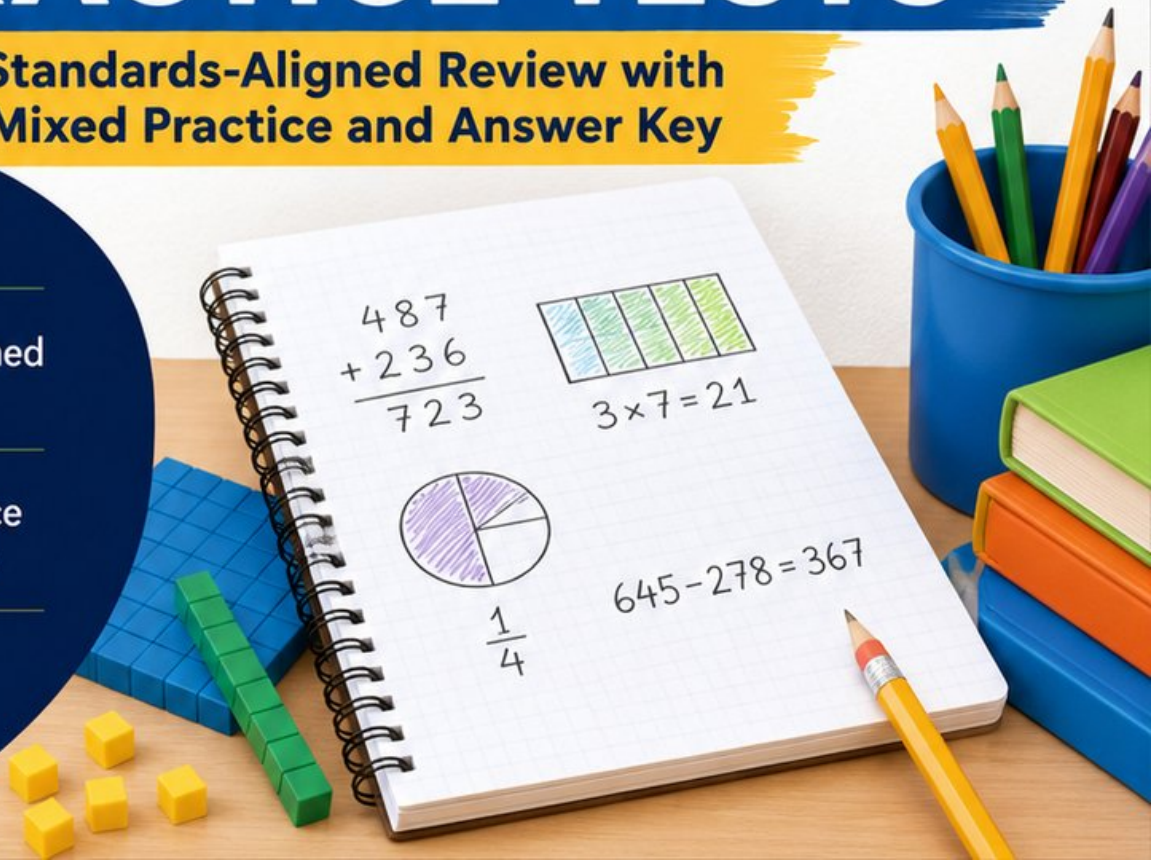
Standards-Aligned
Questions



Build Confidence
and Math Skills



Answer Key
Included



8 Indiana ILEARN Grade 3 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



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



Copyright ©

Testinar Inc



Published by Testinar Inc

Testinar.com

All rights reserved. No part of this publication may be reproduced, distributed, or transmitted in any form or by any means, including photocopying, recording, or other electronic or mechanical methods, without the prior written permission of the author, except in the case of brief quotations embodied in critical reviews and certain other noncommercial uses permitted by copyright law, including Section 107 or 108 of the 1976 United States Copyright Act.

This publication is independently produced and has no official connection to any state, district, or national testing program.

Test names and organizational names used herein are the property of their respective trademark holders.



Copyright ©

Indiana, 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 Indiana ILEARN. 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.

Indiana has corn rows, race tracks, river towns, school makerspaces, and steady practice routines, where careful steps matter. Strong math follows that same path: notice the question, choose a tool, show the work, and use pace, accuracy, and a clean finish.

Your Indiana 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 Indiana 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 Indiana, 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 ILEARN

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 |

Indiana focus: The practice path starts with corn rows, race tracks, river towns, school makerspaces, and steady practice routines. Strong math uses the same idea: know the path, follow the clues, and check the final answer.

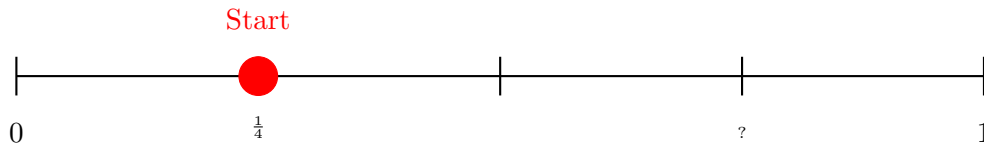


Scan me!
For more practice
& answers

Table of Contents

| | | |
|---|-------|------------|
| ★ Practice Test 1 | _____ | 14 |
| ★ Practice Test 2 | _____ | 27 |
| ★ Practice Test 3 | _____ | 40 |
| ★ Practice Test 4 | _____ | 52 |
| ★ Practice Test 5 | _____ | 64 |
| ★ Practice Test 6 | _____ | 76 |
| ★ Practice Test 7 | _____ | 88 |
| ★ Practice Test 8 | _____ | 99 |
| Practice Test Answer Keys | _____ | 112 |
| Practice Test Answers and Explanations | _____ | 117 |

- 1) Start at $\frac{1}{4}$ on a number line from 0 to 1 with 4 equal parts. Move 2 parts to the right. Where do you land?



- A. $\frac{2}{4}$
 C. $\frac{4}{4}$
 B. $\frac{3}{4}$
 D. $1\frac{1}{4}$
- 2) Which fraction represents 5 whole items?

- A. $\frac{5}{5}$
 C. $\frac{5}{1}$
 B. $\frac{1}{5}$
 D. $\frac{5}{2}$



- 3) W X

Which shape has more unit squares?

- A. Shape W
 C. Both have the same number
 B. Shape X
 D. Cannot tell from the grid
- 4) If a quadrilateral has 4 equal sides but the angles are not all right angles, what is it?
- A. Rectangle
 C. Trapezoid
 B. Square
 D. Rhombus



5) Maria draws a rectangle on a grid. The rectangle is 5 units long and 3 units wide. She counts 12 unit squares instead of 15. What did Maria do wrong?

- A. She counted the perimeter instead of area
- B. She counted only the edges, not the whole inside
- C. She multiplied 4 and 3 instead of 5 and 3
- D. She added instead of multiplied

6) A square has a side length of 5 cm. What is the area of the square?

- A. 20 cm²
- B. 10 cm²
- C. 30 cm²
- D. 25 cm²

7) Look at the number line showing elapsed time.



What is the elapsed time from 2 : 35 PM to 3 : 05 PM?

- A. 25 minutes
- B. 30 minutes
- C. 35 minutes
- D. 45 minutes



8)

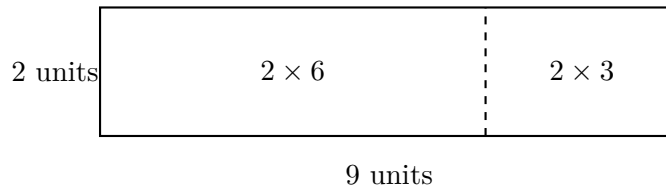
What is the area of this rectangle?

- A. 7 sq units
- B. 10 sq units
- C. 12 sq units
- D. 15 sq units



Scan me!
For more practice & answers

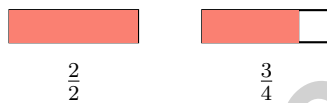
9) A rectangle tiled into $2 \times (6 + 3)$ shows:



What is the combined area?

- A. 18
- C. 6
- B. 12
- D. 9

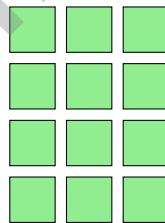
10)



Order these fractions from smallest to largest: $\frac{3}{4}, \frac{2}{2}, \frac{3}{8}$.

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

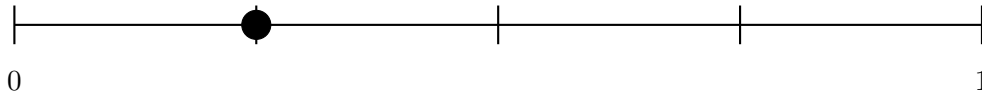
11)



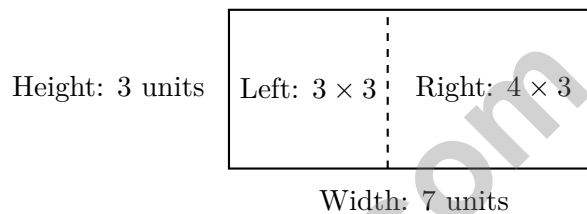
What is the product shown by this array?

- A. 15
- C. 9
- B. 7
- D. 12

- 1) On a number line from 0 to 1 split into 4 equal parts, the distance from 0 to $\frac{1}{4}$ is what part of the whole line?



- A. $\frac{1}{4}$ of the line
 B. $\frac{2}{4}$ of the line
 C. $\frac{3}{4}$ of the line
 D. The whole line
- 2) Look at this tiling diagram:



Which sum of the two smaller areas gives the total area?

- A. $(3 \times 3) + (4 \times 3) = 9 + 12 = 21$
 B. $3 \times (3 + 4) = 21$
 C. $7 + 3 = 10$
 D. $3 + 4 + 7 = 14$
- 3) A school has 72 students going on a field trip. They are divided equally into 8 buses. Then 6 more students join one bus. How many students are on that bus now?
- A. 9
 B. 10
 C. 15
 D. 24
- 4) Round 92 to the nearest 10.
- A. 80
 B. 100
 C. 92
 D. 90



1) Look at this sequence: 20, 25, 30, 35, 40.

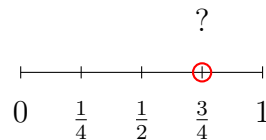
What is the rule?

A. Subtract 5 each time

C. Multiply by 2 each time

B. Skip count by 3

D. Add 5 each time



2)

On the number line, the red dot is at the same position as which label?

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

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

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

D. Between $\frac{1}{2}$ and $\frac{3}{4}$

3) A bar graph shows students at two camps. Summer camp bar is 5 units (scale: 8), winter camp bar is 3 units (scale: 8). How many more at summer camp?

A. 8

C. 24

B. 16

D. 40

4) $293 + 158 = ?$

A. 451

C. 441

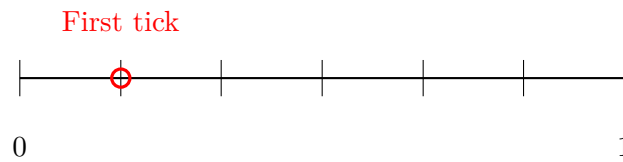
B. 452

D. 461

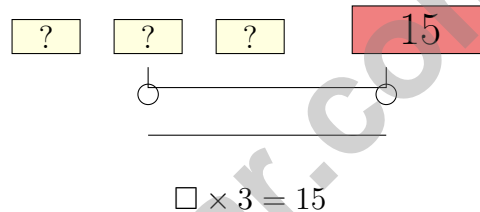


Scan me!
For more practice
& answers

- 5) Look at this number line labeled from 0 to 1 with 6 equal parts. The mark at the first tick represents which fraction?



- A. $\frac{1}{6}$
 C. $\frac{2}{6}$
 B. $\frac{1}{7}$
 D. $\frac{1}{5}$
- 6) A balance scale shows 3 equal weights on one side and 15 on the other. Each weight is the same. What is the unknown weight?



- A. 7
 C. 4
 B. 6
 D. 5
- 7) Which number is missing in the fact family: 6, 7, ___?
- A. 13
 C. 49
 B. 36
 D. 42
- 8) A classroom is shaped like a square with sides of 9 meters. What is the area of the classroom in square meters?



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.

Testinar.com



Practice Test Answers and Explanations

Practice Test 1 Answers and Explanations

- Choice B is correct.** **(3.NS.3)** Count: Start at tick 1 ($\frac{1}{4}$), move 2 ticks right ($1+2=3$). Land at tick 3, which is $\frac{3}{4}$.
- Choice C is correct.** **(3.NS.1)** 5 wholes = $\frac{5}{1}$. Any whole number with denominator 1 equals that number. (A) equals 1, (B) is a unit fraction, (D) is more than 2 but not 5 wholes.
- Choice A is correct.** **(3.M.6)** Shape W is $2 \times 2 = 4$ unit squares. Shape X is $3 \times 1 = 3$ unit squares. Since $4 > 3$, Shape W has more unit squares.
- Choice D is correct.** **(3.G.1)** A rhombus has 4 equal sides. If all angles were right angles, it would be a square. Since they are not, it is just a rhombus.
- Choice B is correct.** **(3.3(M))** Area is the space INSIDE a shape. Maria must count or multiply to find all the unit squares, not just the border. $5 \times 3 = 15$ square units.
- Choice D is correct.** **(3.CA.7)** Area of a square = side \times side = $5 \times 5 = 25$ cm².
- Choice B is correct.** **(3.M.3)** From 2 : 35 to 3 : 05 spans 2 intervals on the number line: $15 + 15 = 30$ minutes.
- Choice B is correct.** **(3.CA.5)** Area = $5 \times 2 = 10$ square units.
- Choice A is correct.** **(3.M.5)** $(2 \times 6) + (2 \times 3) = 12 + 6 = 18$ or $2 \times (6 + 3) = 2 \times 9 = 18$.
- Choice B is correct.** **(3.NS.5)** $\frac{3}{8} < \frac{3}{4}$ because eighths are smaller parts than fourths. Also, $\frac{2}{2} = 1$, so the order is $\frac{3}{8}, \frac{3}{4}, \frac{2}{2}$.
- Choice D is correct.** **(3.CA.3)** The array shows 3 columns and 4 rows, so $3 \times 4 = 12$ or $4 \times 3 = 12$.
- Choice B is correct.** **(3.G.3)** Two columns out of three equal columns is $\frac{2}{3}$.
- Choice A is correct.** **(3.NS.5)** The bars show the same shaded amount. $\frac{2}{8}$ and $\frac{1}{4}$ are equivalent.
- Choices A and B are correct.** **(3.CA.1)** $5 \times 70 = 350$ (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.
- Choice C is correct.** **(3.G.3)** Top: $8 \times 3 = 24$ sq units. Bottom: $5 \times 2 = 10$ sq units. Total: $24 + 10 = 34$ sq units.
- Choice D is correct.** **(3.CA.8)** Skip counting by 4 means adding 4 each time: $4 + 4 = 8$, $8 + 4 = 12$, etc.
- Choice D is correct.** **(3.NS.3)** $\frac{1}{4}$ is the 1st tick; $\frac{3}{4}$ is the 3rd tick. The distance is $3 - 1 = 2$ ticks apart.
- Choice C is correct.** **(3.M.5)** Area = length \times width = $4 \times 6 = 24$ square inches.
- Choice B is correct.** **(3.G.1)** Count the rows: 2 rows. Count across: 8 unit squares per row. Total: $8 + 8 = 16$ unit squares cover the rectangle.
- The correct answer is 24.** **(3.CA.5)** By the commutative property, $4 \times 6 = 6 \times 4 = 24$.
- Choice C is correct.** **(3.DA.1)** Apples: $2 \times 10 = 20$. Oranges: $3 \times 10 = 30$. Total: $20 + 30 = 50$.
- Choice A is correct.** **(3.NS.3)** The first tick is at one of four equal parts, which is $\frac{1}{4}$.
- Choice A is correct.** **(3.CA.1)** Ones: $2 - 5$ requires regrouping, so $12 - 5 = 7$. Tens: $3 - 1 = 2$. Hundreds: $6 - 2 = 4$. Answer: 427.
- Choice A is correct.** **(3.NS.2)** When an orange is cut into 8 equal slices, one slice is $\frac{1}{8}$ (one-eighth).
- Choice A is correct.** **(3.NS.6)** The ones digit is 4. Since $4 < 5$, round down: 734 rounds to 730.
- Choice B is correct.** **(3.M.5)** 8 units \times 3 units = 24 unit squares.
- The correct answer is 1 inch.** **(3.NS.3)** Range = max - min = $8 - 7 = 1$ inch.
- Choice C is correct.** **(3.NS.4)** The rectangle has 8 equal parts and 4 are shaded, so the shaded fraction written in eighths is $\frac{4}{8}$.
- The correct answer is 8.** **(3.CA.5)** $72 \div 9 = 8$.
- Choice D is correct.** **(3.CA.7)** This is a division problem: $48 \div 6 = \square$ means $\square \times 6 = 48$. To find the missing factor, we think: 6 times what number gives 48? Since $8 \times 6 = 48$, Eli can complete 8 shirts. This shows how multiplication and division are inverse operations.



Scan me!
For more practice
& answers

Hi, Math Pilot!

◇ 8 flights done in your math airplane. You have flown through smooth skies and bumpy clouds. You are a real pilot now. ◇

★ **Pilots know:** a good check before takeoff makes a smooth flight. Before each problem, do your check: read, plan, solve, verify. ★

Pilot Skills

- **Pre-Flight:** You read the question carefully.
- **Steering:** You pick the right strategy.
- **Smooth Flight:** You stay calm in long tests.
- **Landing:** You always check your final answer.

Pilot tip: on test day, take off one problem at a time. Trust your training. You earned your wings!

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

Jay Daie

Your Math Pilot

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
Confidence

COVERS ALL ESSENTIAL TOPICS

- ✓ Whole Numbers & Operations
- ✓ Fractions & Decimals
- ✓ Algebraic Thinking
- ✓ Geometry
- ✓ Measurement & Data
- ✓ Number Patterns
- ✓ Word Problems
- ✓ Ratio & Proportion
- ✓ Perimeter, Area & Volume
- ✓ Graphing & Data Analysis
- ✓ And More!



Visit testinar.com/math3
for more Grade 3 math resources
and practice materials!

PREPARE. PRACTICE. SUCCEED.

Give your child the **confidence** to excel in math!



Aligned to
Standards



Created by
Educators



Designed for
Success