

6

Indiana ILEARN

GRADE 3

MATH

PRACTICE TESTS

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



6 Full-Length
Practice Tests



Detailed Answer Keys
and Explanations



Master Skills.
Boost Scores.
Succeed!

6 Indiana ILEARN Grade 3 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Six complete 30-question practice labs 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 ©

Welcome to the Six Skill Labs

Six full tests, six focused resets, and a stronger Grade 3 problem solver



Notice the pattern. Choose a tool. Explain the answer.

To the Grade 3 Math Builder

This book gives you six practice labs for the Indiana ILEARN. Each lab is a complete 30-question test, so students can practice accuracy, stamina, and clear mathematical thinking.

Indiana brings corn rows, race tracks, river towns, and classroom makerspaces. Strong math uses that same care: read the task, select a strategy, build the solution, and use pace, accuracy, and a clean finish.

Decode

Find the question, the units, and the useful numbers.

Design

Use an equation, array, number line, graph, or sketch.

Confirm

Make sure the answer matches the question.

Six-lab promise: I will work with patience, show useful thinking, and treat corrections as part of learning.

How to Use This Book

A six-lab routine for steady Grade 3 growth

Use one practice lab at a time. The goal is not only to finish more pages. The goal is to finish, review, repair, and bring a smarter habit to the next test. For Indiana students, each lab is a short route through corn rows, race tracks, river towns, and classroom makerspaces: steady, alert, and ready for the next clue.

1. **Warm up.** Skim the reference materials and remind yourself of common tools.
2. **Take one test.** Work steadily and mark problems that need a second look.
3. **Check answers.** Use the compact answer keys first.
4. **Read explanations.** Study missed items and any lucky guesses.
5. **Redo two problems.** Rewrite the work cleanly without peeking.
6. **Set the next lab goal.** Choose one skill or habit to improve.

Best review habit: A mistake is most useful when you can say why it happened and what you will do differently next time.



What Is Inside?

Six complete practice tests with review support

Part	What You Do	Why It Helps
Practice Tests 1–6	Solve six different 30-question tests.	Build stamina and see Grade 3 skills mixed together.
Answer Keys	Check each answer in compact boxes.	Find mistakes quickly without losing your place.
Explanations	Read why each answer works.	Turn missed items into a clear next step.
Standards Reference	See how Indiana 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. This gives students practice with quick decisions, careful reading, and short written math answers for the Indiana ILEARN path.



Scan me!
For more practice
& answers

Table of Contents

★ Practice Test 1	_____	14
★ Practice Test 2	_____	26
★ Practice Test 3	_____	38
★ Practice Test 4	_____	50
★ Practice Test 5	_____	62
★ Practice Test 6	_____	74
Practice Test Answer Keys	_____	86
Practice Test Answers and Explanations	_____	90

1) What is 429 rounded to the nearest 10?

- A. 420 C. 430
 B. 429 D. 500

2) Which product is greater, 7×8 or 8×7 ?

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

2	1	6
hundreds	tens	ones

3)

The place-value chart shows the number 216. What is $216 + 384$?

- A. 600 C. 500
 B. 601 D. 610

4) Ava skip-counts by thirds from 0 on a number line from 0 to 3 divided into thirds.

She says: $0, \frac{1}{3}, \frac{2}{3}, 1, \frac{4}{3}, \dots$. At what point does she say $\frac{7}{3}$?

- A. At 1 C. At 3
 B. Between 2 and 3 D. Before $\frac{1}{3}$



- 9) Noah's rectangular bedroom floor is 10 feet long and 8 feet wide. Calculate the area of his bedroom floor.



- 10) A rope is shown on a number line from 0 to 1 with 8 equal sections. Eli marks off one section. What fraction of the rope is one section?

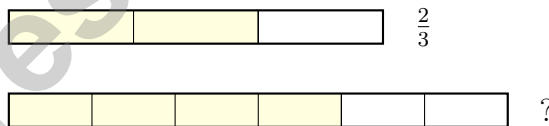
- A. $\frac{1}{8}$
 C. $\frac{8}{8}$
 B. $\frac{1}{7}$
 D. $\frac{2}{8}$

- 11) Noah has 56 baseball cards. He puts them into 7 equal piles. How many cards are in each pile?

$$56 \div 7 = \square$$

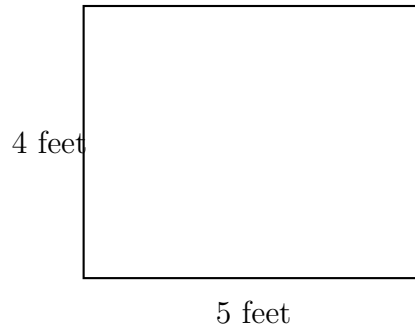
- A. 10
 C. 7
 B. 9
 D. 8

- 12) Look at the bars. Which fraction is equivalent to $\frac{2}{3}$?



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





1)

A rectangular carpet measures 5 feet by 4 feet. What is the area?

- A. 9 sq ft C. 20 sq ft
 B. 18 sq ft D. 40 sq ft

2) A rectangular rug has length 7 feet and width 6 feet. What is its area?

- A. 42 sq ft C. 13 sq ft
 B. 26 sq ft D. 49 sq ft

3) Ben reads for 18 minutes starting at 4 : 07 PM. At what time does Ben stop reading?

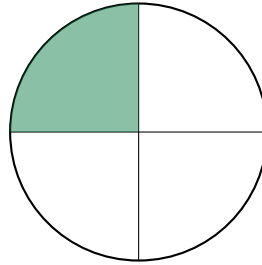
- A. 4 : 15 PM C. 4 : 25 PM
 B. 4 : 20 PM D. 4 : 30 PM

4) A school library has 456 books. The librarian buys 244 more books. How many books are in the library now?

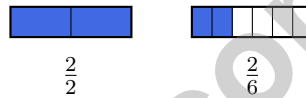
- A. 700 C. 690
 B. 701 D. 711



- 5) A pizza circle is divided into equal parts. Mia takes 1 part and it is $\frac{1}{4}$ of the pizza. How many equal parts is the pizza divided into?



- A. 2 parts C. 4 parts
 B. 3 parts D. 6 parts



6)

Compare $\frac{2}{2}$ and $\frac{2}{6}$. Which is true?

- A. $\frac{2}{2} < \frac{2}{6}$ C. $\frac{2}{2} = \frac{2}{6}$
 B. $\frac{2}{2} > \frac{2}{6}$ D. $\frac{2}{6} > \frac{2}{2}$

- 7) Mia's room is shaped like a rectangle with length 7 ft and width 5 ft. What is the area of her room?

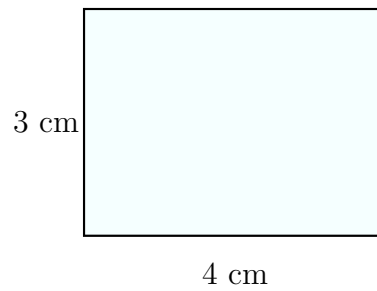
- A. 12 ft² C. 49 ft²
 B. 24 ft² D. 35 ft²

- 8) Sam has fact cards for $3 \times 6 = 18$. Which division fact is related?

- A. $18 \div 3 = 6$ C. $6 \div 3 = 2$
 B. $18 \div 2 = 9$ D. $18 + 3 = 21$



Scan me!
For more practice
& answers



1)

Find the area of this rectangle.

A. 7 sq cm

B. 12 sq cm

C. 14 sq cm

D. 21 sq cm

2) Lily sees $(3 \times 2) \times 4$. She wants to find the answer using a different grouping. Which equation correctly finds the same product?

A. $3 + (2 \times 4) = 11$

B. $3 \times 2 \times 4 = 9$

C. $(3 + 2) \times 4 = 20$

D. $3 \times (2 \times 4) = 24$

3) What number makes the equation true?

$$48 \div \square = 6$$

A. 8

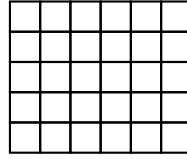
B. 7

C. 6

D. 9

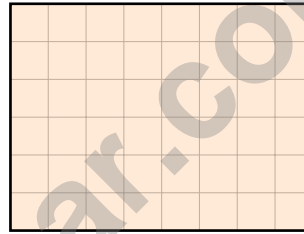


- 4) Noah is tiling a floor. He needs to cover a space that is 6 units long and 5 units wide. Here is the layout:



How many unit square tiles does Noah need?

- A. 11 tiles (just the perimeter) C. 30 tiles
 B. 22 tiles (counted twice) D. 60 tiles
- 5) On a grid, a rectangle is 8 units long and 6 units wide.



How many unit squares fill it?

- A. 28 sq units C. 48 sq units
 B. 42 sq units D. 56 sq units
- 6) A concert starts at 6 : 15 PM and ends at 8 : 30 PM. How long does the concert last?
- A. 2 hours 15 minutes C. 2 hours 45 minutes
 B. 3 hours 15 minutes D. 1 hour 45 minutes



Scan me!
For more practice
& answers

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

- 1) **Choice C is correct.** **(3.NS.6)** The ones digit is 9. Since $9 \geq 5$, round up: 429 rounds to 430.
- 2) **Choice C is correct.** **(3.CA.5)** The order does not matter in multiplication. $7 \times 8 = 56$ and $8 \times 7 = 56$.
- 3) **Choice A is correct.** **(3.CA.1)** Ones: $6 + 4 = 10$ (write 0, carry 1). Tens: $1 + 8 + 1 = 10$ (write 0, carry 1). Hundreds: $2 + 3 + 1 = 6$. Answer: 600.
- 4) **Choice B is correct.** **(3.NS.3)** $\frac{7}{3} = 2\frac{1}{3} \approx 2.33$. This is between 2 and 3, closer to 2.
- 5) **Choice C is correct.** **(3.G.3)** The lines do not create equal parts. Lines from the center must divide a circle into equal angles to make equal parts.
- 6) **Choice D is correct.** **(3.CA.5)** The area model shows a rectangle split into two parts: one part is $3 \times 2 = 6$ and the other is $2 \times 2 = 4$. Using the distributive property: $2 \times (3 + 2) = 2 \times 3 + 2 \times 2 = 6 + 4 = 10$.
- 7) **Choice A is correct.** **(3.G.2)** Step 1: Find total seeds: $7 \times 8 = 56$ seeds. Step 2: Subtract sprouted seeds: $56 - 50 = 6$ seeds did not sprout. (Choice D is step 1 only; choice C is incorrect subtraction.)
- 8) **Choice D is correct.** **(3.CA.3)** $24 \div 6 = 4$. Divide the total marbles by the number of piles.
- 9) **The correct answer is 80 square feet.** **(3.M.5)** Area = length \times width, so $10 \times 8 = 80$ square feet.
- 10) **Choice A is correct.** **(3.NS.3)** One of eight equal sections is $\frac{1}{8}$.
- 11) **Choice D is correct.** **(3.CA.7)** Divide: $56 \div 7 = 8$ cards per pile.
- 12) **Choice C is correct.** **(3.NS.5)** The shaded regions match. $\frac{2}{3}$ and $\frac{4}{6}$ are equivalent.
- 13) **Choice B is correct.** **(3.CA.5)** Area = $2 \times 3 = 6$ square cm.
- 14) **Choice C is correct.** **(3.M.1)** 1 L = 1000 mL. Subtract: $1000 - 300 = 700$ mL drunk.
- 15) **Choice B is correct.** **(3.NS.2)** A whole divided into 6 equal sections has each section as $\frac{1}{6}$ (one-sixth).
- 16) **The correct answer is 4 sides.** **(3.G.1)** A rectangle is a quadrilateral, so it has 4 sides.
- 17) **Choices A and C are correct.** **(3.CA.7)** Choices A and C involve finding a total from equal groups. B, D, and E involve subtraction or addition of separate quantities.
- 18) **Choice C is correct.** **(3.M.5)** 6 units wide \times 2 units tall = 12 unit squares.
- 19) **Choice C is correct.** **(3.G.1)** 6 units wide by 3 units tall: $6 \times 3 = 18$ square units.
- 20) **Choice B is correct.** **(3.NS.5)** When comparing fractions with the same numerator (3), look at the denominator: fifths are bigger pieces than fourths. So $\frac{3}{5}$ (3 large pieces) is less than $\frac{3}{4}$ (3 slightly larger pieces). Key rule: smaller denominator = bigger pieces.
- 21) **Choice C is correct.** **(3.M.6)** A 4×4 square needs $4 \times 4 = 16$ unit squares (tiles of 1 foot by 1 foot).
- 22) **Choice B is correct.** **(3.CA.1)** In 90, the 9 is in the tens place (representing 9 tens, or 9×10). The 0 is in the ones place. So $90 = 9 \text{ tens} + 0 \text{ ones}$.
- 23) **The correct answer is 9 pencils.** **(3.NS.3)** Add all X's: $2 + 1 + 3 + 2 + 1 = 9$ pencils total.
- 24) **Choice A is correct.** **(3.NS.4)** Both rectangles show the same shaded area. $\frac{3}{4} = \frac{6}{8}$ because $\frac{3 \times 2}{4 \times 2} = \frac{6}{8}$.
- 25) **Choice D is correct.** **(3.NS.3)** This number line has thirds (3 equal parts), so only fractions with denominator 3 or 1 are tick marks. $\frac{1}{4}$ would need 4 equal parts.
- 26) **Choice A is correct.** **(3.M.5)** Both rectangles have width 3. Total length is $10 + 6 = 16$. Combined area is $(3 \times 10) + (3 \times 6) = 30 + 18 = 48$.
- 27) **Choice D is correct.** **(3.CA.7)** $54 \div 6 = \square$ means $\square \times 6 = 54$. Since $9 \times 6 = 54$, the answer is 9.
- 28) **Choice A is correct.** **(3.CA.3)** Three packs with eight erasers each is 3 groups of 8, which equals $3 \times 8 = 24$ or $8 \times 3 = 24$. Option B is the addition misconception. Option C uses only one factor. Option D is incomplete (only two groups).
- 29) **Choice D is correct.** **(3.NS.4)** $\frac{2}{6} = \frac{1}{3}$ (one-third). The fraction $\frac{2}{3}$ (two-thirds) is NOT equivalent because they represent different-size regions. Although both have numerator 2, the denominators 6 and 3 divide the whole differently, so $\frac{2}{6} \neq \frac{2}{3}$.



Hi, Math Detective!

◇ You did such a great job! You finished 6 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.

Jay Daie

Your Math Detective Helper

Testinar.com

BUILD CONFIDENCE. MASTER MATH. ACHIEVE SUCCESS!



This **Grade 3 Math Practice Tests** book is the perfect companion for students who want to strengthen their math skills and excel in school. With **6** full-length practice tests designed to reflect real test formats, students get the practice they need to understand key concepts, build problem-solving skills, and tackle any challenge with confidence.

PERFECT FOR:

- ✓ Classroom Practice
- ✓ Homework & Review
- ✓ Test Preparation

★ **PREPARE TODAY.
SUCCEED TOMORROW!**

WHAT STUDENTS WILL GAIN:



Stronger Concepts

Reinforce key Grade 3 math skills and build a solid foundation.



Better Problem Solving

Develop critical thinking and solve problems with ease.



Test Confidence

Get familiar with test formats and reduce exam stress.



Track Progress

Measure improvement and focus on areas that matter.



Achieve Success

Build the skills and confidence to reach higher goals.

TOPICS COVERED:

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



Visit testinar.com/math5 for more Grade 3 math resources and practice materials!

PRACTICE MORE. ACHIEVE MORE.

Give your child the tools they need to succeed in math and beyond!



Aligns with Grade 3 Learning Standards



Builds Critical Thinking & Problem-Solving