

5

Indiana

LEARN

GRADE 3

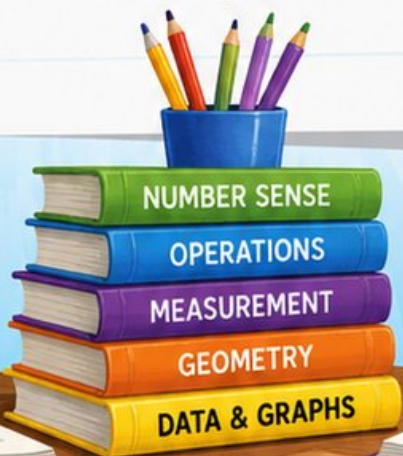
MATH

PRACTICE TESTS

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

$24 \div 3 = 8$

$125 + 37$



5 FULL-LENGTH PRACTICE TESTS



STANDARDS-ALIGNED PRACTICE



DETAILED ANSWER KEYS



CLEAR EXPLANATIONS TO HELP YOU SUCCEED

5 Indiana ILEARN 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.

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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 Indiana ILEARN. Each checkpoint is a full 30-question test, so you can practice stamina, accuracy, and the habit of showing what you know.

Indiana has racing tracks, farm rows, city blocks, and patterns that invite careful counting. 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 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. That mix gives students practice with quick choices, careful reasoning, and short written answers.

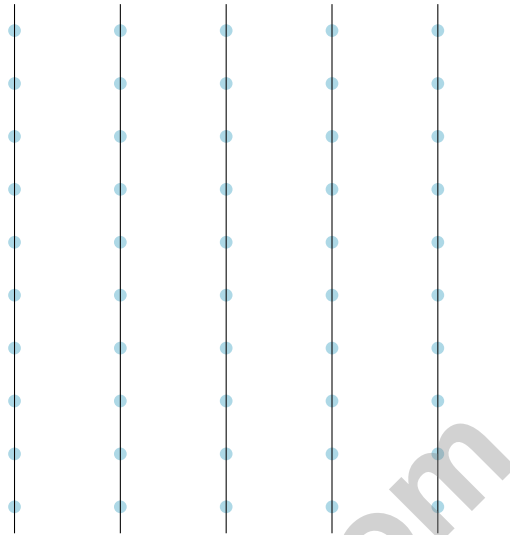


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1) How many units are in this array?



$$5 \times 10 = ?$$

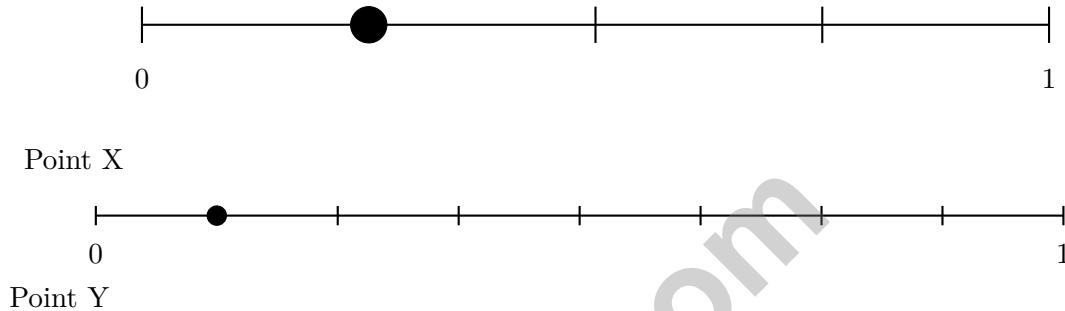
- A. 15 C. 510
 B. 50 D. 105
- 2) Ava is decorating her bedroom wall with a rectangular poster. The poster is 11 inches wide and 9 inches tall. What is the area of the poster?
- A. 99 sq in C. 20 sq in
 B. 40 sq in D. 110 sq in
- 3) Look at the fact family: $4 \times 8 = 32$, $8 \times 4 = 32$, $32 \div 4 = 8$, and $32 \div 8 = 4$. If you know that $4 \times 8 = 32$, what is $32 \div 8$?



1) Ava’s book cover is shaped like a square with sides of 9 inches. What is the area?

- A. 18 sq in
- B. 36 sq in
- C. 72 sq in
- D. 81 sq in

2) A number line from 0 to 1 has two unlabeled points. Point X is at the first tick of a 4-part line. Point Y is at the first tick of an 8-part line. Which is farther from 0?



- A. Point X
- B. Point Y
- C. They are equidistant
- D. Cannot be determined

3) Which time is closest to 2 : 45 PM?

- A. 2 : 30 PM
- B. 3 : 15 PM
- C. 3 : 30 PM
- D. 2 : 45 PM

4) Which of the following is measured in square units (like square inches or square centimeters)?

- A. Time
- B. Perimeter (measured in inches, feet, or meters)
- C. Length (measured in inches, feet, or meters)
- D. Area (space inside a shape)

5) A library has 7 tables. Each table has 8 books. How many books are on the tables?

A. 15 books

C. 49 books

B. 64 books

D. 56 books

6) A square rug has side length 5 meters. What is its area?

A. 10 sq m

C. 25 sq m

B. 20 sq m

D. 30 sq m

7) Complete: $\square \times 7 = 63$

A. 7

C. 10

B. 8

D. 9

8) Round 728 to the nearest 100.

9) 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

D. Because we multiply 3 by 1, then

B. Because 3 is in the ones place

2, then 3, then 4, etc.

C. Because these numbers are less than

30



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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.NBT.A.3) The array shows 5 columns of 10 dots each. So $5 \times 10 = 50$ units total.
- 2) **Choice A is correct.** (3.MD.C.7b) Area = width \times height = $11 \times 9 = 99$ square inches.
- 3) **The correct answer is 4.** (3.OA.A.4) In a fact family, if $4 \times 8 = 32$, then $32 \div 8 = 4$. Multiplication and division are inverse operations.
- 4) **Choice B is correct.** (3.MD.C.7d) Bottom: $7 \times 3 = 21$ sq ft. Top: $3 \times 2 = 6$ sq ft. Total: $21 + 6 = 27$ sq ft.
- 5) **Choice B is correct.** (3.OA.C.7) The fact family for 3, 6, and 18 includes: $3 \times 6 = 18$, $6 \times 3 = 18$, $18 \div 3 = 6$, and $18 \div 6 = 3$. Choice B shows one multiplication fact and its related division fact.
- 6) **Choice B is correct.** (3.NF.A.3b) Pie 1 shows $\frac{1}{2}$ (half shaded) and Pie 3 shows $\frac{2}{4}$ (half shaded). Both represent the same amount: $\frac{1 \times 2}{2 \times 2} = \frac{2}{4}$.
- 7) **Choice D is correct.** (3.OA.A.1) 5 days with 9 pages each day means 5 groups of 9. So $5 \times 9 = 45$ pages.
- 8) **Choice C is correct.** (3.MD.B.4) Shorter than $4\frac{1}{2}$ inches means 4 and $4\frac{1}{4}$ inches: that is $2 + 1 = 3$ pots.
- 9) **Choice A is correct.** (3.MD.C.5) Rectangle X covers $5 \times 2 = 10$ square units. Rectangle Y covers $2 \times 3 = 6$ square units. So Rectangle X has the greater area.
- 10) **Choice A is correct.** (3.MD.C.7c) The distributive property multiplies 4 by each part separately, then adds: $4 \times (6 + 1) = (4 \times 6) + (4 \times 1)$.
- 11) **Choice A is correct.** (3.MD.C.6) $6 \times 3 = 18$ unit squares.
- 12) **Choice D is correct.** (3.OA.A.2) Measurement division: $20 \div 5 = 4$. There are 4 groups of 5 in 20.
- 13) **Choice B is correct.** (3.MD.A.2) Subtract the milk already in the cup: $900 - 600 = 300$ mL needed.
- 14) **Choice B is correct.** (3.MD.A.1) $1 : 16 + 29 \text{ min} = 1 : 45 \text{ PM}$.
- 15) **Choice D is correct.** (3.NF.A.2) $\frac{4}{4}$ means all 4 fourths. That is one whole, so the distance from 0 is 1.
- 16) **Choice B is correct.** (3.MD.C.7) Area = $10 \times 2 = 20$ square meters.
- 17) **Choices B and C are correct.** (3.MD.D.8) Option B: $P = 2(6) + 2(5) = 22$ in. Option C: $P = 2(10) + 2(1) = 22$ in. Option A is 20 in, option D is 18 in, and option E is 24 in.
- 18) **Choice C is correct.** (3.NF.A.2a) The denominator tells us how many parts: 6 parts of size $\frac{1}{6}$ each.
- 19) **Choice B is correct.** (3.MD.C.5a) The grid is $5 \times 2 = 10$ unit squares = 10 square units.
- 20) **Choice C is correct.** (3.MD.C.5b) Count the rows: 3 rows. Count across: 5 unit squares in each row. Total: $5 + 5 + 5 = 15$ unit squares cover the rectangle.
- 21) **Choice B is correct.** (3.OA.D.8) Step 1: Find total bottles: $6 \times 9 = 54$ bottles. Step 2: Subtract: $54 - 15 = 39$ bottles left. (Choice D is step 1 only; choice C is incorrect.)
- 22) **Choice A is correct.** (3.NF.A.3) Both bars show the same amount shaded. $\frac{3}{4}$ and $\frac{6}{8}$ are equivalent.
- 23) **Choice D is correct.** (3.OA.B.6) The fact family for $7 \times 8 = 56$ includes both $56 \div 7 = 8$ and $56 \div 8 = 7$.
- 24) **Choice C is correct.** (3.NBT.A.1) Numbers from 350 to 449 round to 400. The number 449 has tens $4 < 5$, so it rounds down to 400.
- 25) **Choice A is correct.** (3.OA.B.5) Option A shows 6 rows and 3 columns. By the commutative property, $3 \times 6 = 6 \times 3 = 18$. Flipping rows and columns shows the same product in a different order.
- 26) **Choice A is correct.** (3.MD.C.7a) Very long rectangle: $9 \times 2 = 18$ square units. B is perimeter sum; D is concatenation.
- 27) **Choice A is correct.** (3.NF.A.3d) One eighth is half of one fourth. The dot is halfway between 0 and $\frac{1}{4}$, so it is $\frac{1}{8}$.
- 28) **Choice B is correct.** (3.NF.A.3c) $\frac{2}{1} = 2$ wholes; $\frac{8}{4} = 8 \div 4 = 2$ wholes. Other pairs do not both equal 2.
- 29) **Choice A is correct.** (3.MD.B.3) Red: $2 \times 5 = 10$. Blue: $3 \times 5 = 15$. Green: $4 \times 5 = 20$. Total: $10 + 15 + 20 = 45$.
- 30) **The correct answer is 48.** (3.OA.D.9) The row for 6 increases by 6 each time because we multiply 6 by 1, 2, 3, 4, etc. So $6 + 6 = 12$, then $12 + 6 = 18$. The eighth product is 48, so $6 \times 8 = 48$.



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Ahoy, Math Sailor!

◇ You sailed through 5 full tests. Some waters were calm. Some waters were rough. You kept your boat steady the whole way. ◇

★ **Captain's truth:** good sailors stay calm. They use the wind. They check the map. You did all those things on every test. ★

Sailor's Skills

- **Steady Hand:** You stay calm even when problems are tricky.
- **Map Skills:** You read each problem carefully.
- **Brave Spirit:** You believe in yourself.
- **Safe Harbor:** You finish what you start.

Captain's tip: on test day, sail steady. Trust the map you built through 5 practice tests. You will reach safe harbor!

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

Jay Daie

Your Math Captain

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

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Standards-Aligned Practice

Questions match Grade 3 math standards and key skills.



Answer Keys & Explanations

Detailed answers that show steps and clear reasoning.



Review & Master Skills

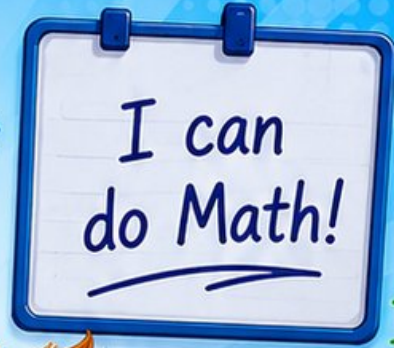
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- ✓ Fractions & Decimals
- ✓ Measurement & Data
- ✓ Geometry
- ✓ Perimeter, Area & Volume
- ✓ Time & Money
- ✓ Data & Graphs
- ✓ Word Problems
- ✓ And More!



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



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

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

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



Everything Your Child Needs to Succeed in Grade 3 Math!



Perfect For:



Classroom Learning



Homework Support



Test Preparation



Extra Practice & Review