

# 6

# Arkansas ATLAS

## 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 Arkansas ATLAS 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](http://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 Arkansas ATLAS. Each lab is a complete 30-question test, so students can practice accuracy, stamina, and clear mathematical thinking.

Arkansas brings forest trails, diamond fields, river bends, and Ozark hills. Strong math uses that same care: read the task, select a strategy, build the solution, and use clues to choose the right tool.

### 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 Arkansas students, each lab is a short route through forest trails, diamond fields, river bends, and Ozark hills: 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 Arkansas 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 Arkansas ATLAS 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	_____	51
★ Practice Test 5	_____	64
★ Practice Test 6	_____	77
<b>Practice Test Answer Keys</b>	_____	<b>89</b>
<b>Practice Test Answers and Explanations</b>	_____	<b>93</b>

1) What is 916 rounded to the nearest 100?

A. 900

C. 916

B. 910

D. 1000

2) What number makes the equation true?

$$\square \div 4 = 6$$

A. 10

C. 28

B. 18

D. 24

3) Which fraction is NOT equivalent to  $\frac{1}{3}$ ?

A.  $\frac{2}{6}$

C.  $\frac{2}{8}$

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

D. None

4) Which shows how many unit fractions of  $\frac{1}{3}$  are needed to make a whole?

A. 1 unit fraction

C. 3 unit fractions

B. 2 unit fractions

D. 6 unit fractions

5) A classroom floor is a rectangle. It is 8 meters long and 6 meters wide. How many square meters is the classroom floor?

A. 14 square meters

C. 28 square meters

B. 48 square meters

D. 56 square meters

6) Lily buys 3 packages of toy cars. Each package has 40 toy cars. How many toy cars does Lily buy?

A. 34

C. 120

B. 43

D. 1200



- 7) Eli is looking at a number line from 0 to 3 divided into 6 equal parts. He wants to locate  $\frac{3}{6}$  of the distance from 0 to 3. Is he closer to 1 or to 2?
- A. Closer to 0  
 B. Equally close to 1 and 2  
 C. Closer to 3  
 D. Closer to 1
- 8) Sam is organizing stickers into an array. He makes 8 rows with 5 stickers in each row. How many stickers are in the array?
- A. 35 stickers  
 B. 50 stickers  
 C. 45 stickers  
 D. 40 stickers
- 9) A bar graph shows library books borrowed by four friends. Each unit represents 5 books. Liam's bar is 3 units, Kat's is 4 units, Max's is 2 units, and Nora's is 3 units. Who borrowed the most books?
- A. Liam  
 B. Kat  
 C. Max  
 D. Nora
- 10) Look at odd numbers: 13, 15, 17, 19, 21, ...  
What is the next odd number?
- A. 22  
 B. 25  
 C. 24  
 D. 23
- 11) A rectangle can be divided into equal parts in different ways. Which way shows the rectangle divided into 2 equal parts?



- A. One vertical line through the middle  
 B. Two vertical lines  
 C. Two horizontal lines and two vertical lines  
 D. One diagonal line and one vertical line



Scan me!  
For more practice  
& answers

12)

Hundreds	Tens	Ones	Total	?
----------	------	------	-------	---

Lily has 3 hundreds, 2 tens, and 6 ones. Her friend gives her 1 hundred, 4 tens, and 7 ones. What is the total?

- A. 473                       C. 513  
 B. 503                       D. 523

13) In a soccer game, Team A scores 4 goals in the first half and 5 goals in the second half. Team B scores 6 goals total. Let  $g$  be how many more goals Team A scored. Which equation is correct?

- A.  $g = (4 + 5) - 6$                        C.  $g = 4 + (5 - 6)$   
 B.  $g = 4 + 5 - 6$                        D.  $g = 4 + 5 + 6$

14) A rectangle is split vertically into two smaller rectangles. One is  $3 \times 8$  and the other is  $3 \times 4$ . Which statements are true?

- A. The total area is  $3 \times (8 + 4) = 36$  square units  
 B. The first rectangle has area 25 square units  
 C.  $(3 \times 8) + (3 \times 4) = 24 + 12 = 36$   
 D. The rectangles have different shared dimensions  
 E. The combined rectangles can be shown as  $3 \times 13$

15) A rectangular bookmark has length 9 cm and width 2 cm. Find the area of the bookmark.





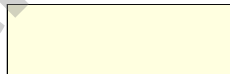
1)

How many small squares are in this array?

- A. 8 squares                       C. 12 squares  
 B. 7 squares                       D. 10 squares

2) Find  $45 \div 5$ . (Hint: Think of the related multiplication fact.)

3) The shape shows all its parts shaded. What fraction is this?



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

4) A number line is divided into equal parts. The first tick after 0 is at  $\frac{1}{6}$ . Where is the third tick?

- A.  $\frac{2}{6}$                                        C.  $\frac{4}{6}$   
 B.  $\frac{3}{6}$                                        D.  $\frac{5}{6}$

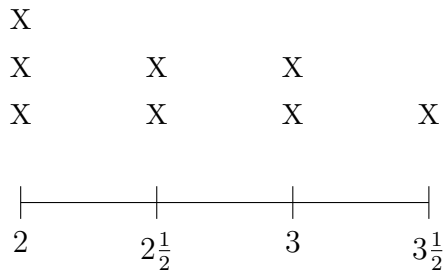


- 5) Look at the equation:  $5 \times 6 = 30$ . Which division equation is in the same fact family?
- A.  $36 \div 6 = 6$                        C.  $30 \div 6 = 6$   
 B.  $30 \div 4 = 7$                        D.  $30 \div 5 = 6$
- 6) A classroom floor is T-shaped. The top part is 6 units by 2 units. The bottom part is 4 units by 3 units. What is the total floor area?
- A. 24 sq units                       C. 36 sq units  
 B. 12 sq units                       D. 30 sq units
- 7) Sam has a rectangular picture frame that is 5 inches long and 7 inches wide. What is the area of the picture frame?
- A. 35 square inches                       C. 12 square inches  
 B. 24 square inches                       D. 2 square inches
- 8) Ava has 54 flowers. She wants to make 9 bouquets with an equal number of flowers in each. How many flowers are in each bouquet?
- A. 45                       C. 63  
 B. 8                       D. 6



Scan me!  
For more practice  
& answers

1) A line plot shows button diameters in inches:  $2, 2\frac{1}{2}, 3, 3\frac{1}{2}$ .



What is the most common button diameter?

- A. 2 inches
  - B.  $2\frac{1}{2}$  inches
  - C. 3 inches
  - D.  $3\frac{1}{2}$  inches
- 2) Which statement is true?
- A. One-half means dividing a whole into 3 equal parts
  - B. One-third means dividing a whole into 3 equal parts
  - C. One-fourth means dividing a whole into 3 equal parts
  - D. One-sixth means dividing a whole into 5 equal parts
- 3) A teacher estimates that a water jug holds about 5 liters. A glass holds about 200 mL. ESTIMATE how many glasses would fill the jug.
- A. about 5 glasses
  - B. about 15 glasses
  - C. about 25 glasses
  - D. about 50 glasses
- 4) Sam has 6 boxes of crayons. Each box has 10 crayons. How many crayons does Sam have in total?

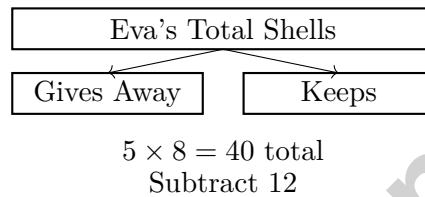


Scan me!  
For more practice  
& answers

5) Which expanded number sentence uses the distributive property?

- A.  $2 \times (6 + 4) = 2 \times 6 + 4 = 16$ 
 D.  $2 \times (6 + 4) = 2 \times 6 + 2 \times 4 = 12 + 8 = 20$   
 B. Neither is correct  
 C.  $2 \times (6 + 4) = 2 + 6 + 4 = 12$

6) Eva collects 5 bags with 8 shells in each bag. She gives away 12 shells to her friend. How many shells does Eva keep?



A. 12
  C. 28  
 B. 24
  D. 40

7) A large rectangle with total area 56 is split into two smaller rectangles. One is  $7 \times 6$  with area 42. Using the distributive property with the shared dimension of 7, what is the area of the second rectangle?

- A. 14
  C. 7  
 B. 42
  D. 8



## 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



Scan me!  
For more practice  
& answers

## Practice Test Answers and Explanations

### Practice Test 1 Answers and Explanations

- 1) **Choice A is correct.** **(3.NPV.1)** The tens digit is 1. Since  $1 < 5$ , round down: 916 rounds to 900.
- 2) **Choice D is correct.** **(3.CAR.8)** Use the inverse:  $6 \times 4 = 24$ , so  $24 \div 4 = 6$ . Check:  $24 \div 4 = 6$ .
- 3) **Choice B is correct.** **(3.NPV.11)**  $\frac{1}{3} = \frac{2}{6}$  and  $\frac{2}{8} = \frac{1}{4}$ . But  $\frac{1}{2}$  is not equivalent to  $\frac{1}{3}$ .
- 4) **Choice C is correct.** **(3.NPV.10)**  $\frac{1}{3} + \frac{1}{3} + \frac{1}{3} = \frac{3}{3} = 1$  whole. So 3 unit fractions of  $\frac{1}{3}$  make a whole.
- 5) **Choice B is correct.** **(3.GM.5)** Multiply length by width:  $8 \times 6 = 48$  square meters.
- 6) **Choice C is correct.** **(3.CAR.4)** 3 packages of 40 cars =  $3 \times 40 = 120$  cars. Multiply  $3 \times 4 = 12$ , then add one zero.
- 7) **Choice B is correct.** **(3.NPV.8)**  $\frac{3}{6} = \frac{1}{2}$ . Halfway from 0 to 3 is 1.5, exactly between 1 and 2.
- 8) **Choice D is correct.** **(3.CAR.4)** 8 rows with 5 in each row:  $8 \times 5 = 40$ .
- 9) **Choice B is correct.** **(3.DA.2)** Kat's bar is 4 units, which is tallest.  $4 \times 5 = 20$  books, the most.
- 10) **Choice D is correct.** **(3.CAR.5)** Odd numbers increase by 2 each time.  $21 + 2 = 23$ .
- 11) **Choice A is correct.** **(3.NPV.7)** A single vertical line through the middle divides this rectangle into 2 equal parts.
- 12) **Choice A is correct.** **(3.CAR.1)** Lily has 326. Her friend gives 147. Add:  $326 + 147 = 473$ . Ones:  $6 + 7 = 13$  (write 3, carry 1). Tens:  $2 + 4 + 1 = 7$ . Hundreds:  $3 + 1 = 4$ .
- 13) **Choice A is correct.** **(3.CAR.7)** Step 1: Team A total:  $4 + 5 = 9$  goals. Step 2: How many more than Team B:  $9 - 6 = 3$  more goals. Choices A and B both work (parentheses clarify order), but A is clearer.
- 14) **Choices A and C are correct.** **(3.GM.6)** A and C are both correct: they show the total area of 36 using the distributive property. B is false because  $3 \times 8 = 24$ , not 25. D is false because the rectangles share the dimension 3. E is false because  $3 \times 13 = 39$ .
- 15) **The correct answer is 18 sq cm.** **(3.CAR.5)** Area =  $9 \times 2 = 18$  square centimeters. You can multiply the side lengths or imagine 9 rows of 2 unit squares.
- 16) **Choice A is correct.** **(3.NPV.7)** The first of four equal parts is  $\frac{1}{4}$ .
- 17) **Choice D is correct.** **(3.GM.7)** Area = width  $\times$  height =  $9 \times 7 = 63$  square inches.
- 18) **The correct answer is 2 X's.** **(3.DA.1)** Two leaves measured exactly  $2\frac{1}{4}$  inches, so there would be 2 X's above the  $2\frac{1}{4}$  mark.
- 19) **Choice B is correct.** **(3.GM.7)** Add all three parts:  $10 + 6 + 6 = 22$  square units.
- 20) **Choice C is correct.** **(3.NPV.11)** Two fractions are equivalent if they represent the same-size region. Since both shaded regions are equal,  $\frac{2}{3} = \frac{4}{6}$ .
- 21) **Choice C is correct.** **(3.GM.9)** Add:  $1000 + 500 + 500 = 2000$  mL.
- 22) **Choice A is correct.** **(3.NPV.5)** Both bars show the same shaded amount. Both equal half.
- 23) **Choice C is correct.** **(3.GM.5)**  $3 \times 4 = 12$  unit squares.
- 24) **Choice C is correct.** **(3.GM.6)** A unit square with side 1 m has area  $1 \text{ m} \times 1 \text{ m} = 1 \text{ m}^2 = 1$  square meter.
- 25) **Choice A is correct.** **(3.NPV.11)** When numerator = denominator, you have all the parts of one whole.  $\frac{4}{4}$  has 4 fourths, which makes 1 whole.
- 26) **Choice A is correct.** **(3.CAR.6)** Divide:  $9 \div 3 = 3$  slices per friend.
- 27) **Choice B is correct.** **(3.NPV.9)** The dot on Line A is at  $\frac{1}{2}$ . The dot on Line B is at  $\frac{2}{4}$ , which equals  $\frac{1}{2}$ . Both mark the same location.
- 28) **The correct answer is 15.** **(3.CAR.3)**  $3 \times 5 = 15$ .
- 29) **Choice D is correct.** **(3.NPV.7)** You subtract 3 four times:  $12 - 3 - 3 - 3 - 3 = 0$ . So  $12 \div 3 = 4$ .
- 30) **Choice A is correct.** **(3.GM.3)** A rectangle has two pairs of parallel sides: the top and bottom sides are parallel, and the left and right sides are parallel to each other.

### Practice Test 2 Answers and Explanations



Scan me!  
For more practice  
& answers

---

A Note From Your Math Friend

---

## Hi, Math Star!

◇ Wow! You finished 6 full practice tests. That is a LOT of math problems. You worked hard, and your brain got stronger every time. ◇

★ **Here is a big idea:** mistakes are okay! Every time you got something wrong, you got smarter. Through 6 tests, you learned that trying is the most important thing. ★

### Look What You Did!

- **Hard Worker:** You did not give up!
- **Smart Thinker:** You used your math tools.
- **Brave Learner:** You tried hard problems.
- **Test Ready:** You feel proud and prepared.

**Big tip for test day:** take your time. Read each problem twice. Show your work. Check your answer. You can do this!

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 Friend

---

# 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](https://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