

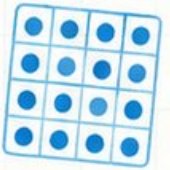
# 10

$$7 \times 8 = 56$$

$$\begin{array}{r} 32 \\ \times 6 \\ \hline 192 \end{array}$$



$$\frac{3}{4}$$



# Arkansas

# ATLAS

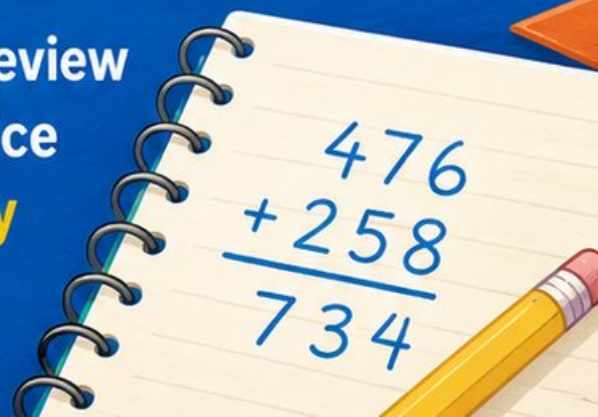
# GRADE 4

# MATH



## PRACTICE TESTS

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



# 10 Arkansas ATLAS Grade 4 Math Practice Tests

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



Ten complete 30-question Grade 4 practice rounds for ATLAS, built around Ozark paths, river stones, and clear mountain-air focus, with answer keys and clear explanations for every item.

**Jay Daie and Reza Nazari**



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# Welcome, Arkansas Math Explorer!

Ten steady rounds on the Natural State math route

This book gives you ten full Grade 4 practice tests for ATLAS. Each round uses Ozark paths, river stones, and clear mountain-air focus to keep practice memorable while you read carefully, choose a strategy, show work, and check the answer.

## Arkansas Practice Promise

I will slow down for the question, circle what matters, solve one step at a time, and use mistakes as clues for getting stronger.

Read

Plan

Check

## How to Use This Book

A ten-session routine for Arkansas ATLAS review

1. **Preview the skills.** Read the quick review pages before the first test.
2. **Take one test at a time.** Treat each round like a stop on the Natural State math route.
3. **Mark your confidence.** Put a small star beside problems you solved with a strong plan.
4. **Check, then retry.** For missed questions, try the problem again before reading the explanation.
5. **Track your next move.** Use the growth log to name one habit and one skill for the next test.

**Good rhythm:** Test one day, correct carefully the next day, then return for the next round when your corrections feel clear.



## What Is Inside?

Ten tests, 300 questions, and a full ATLAS review path

Part	What You Will Practice
Tests 1–3	Warm-up rounds for reading carefully, choosing operations, and using models.
Tests 4–6	Skill-building rounds with fractions, measurement, area, data, and two-step problems.
Tests 7–9	Stamina rounds for mixed review, neat work, and flexible strategies.
Test 10	Final round to show growth across the whole Arkansas book.
Answer Pages	Compact keys and explanations that show why each answer works.

The tests are mixed on purpose. Real test readiness means recognizing the skill even when the next question changes topic.



Scan me!  
For more practice  
& answers

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1) A pizza is cut into 12 equal slices. Mia eats 7 slices. What fraction of the pizza did Mia eat?

A.  $\frac{7}{12}$

B.  $\frac{12}{7}$

C.  $\frac{5}{12}$

D.  $\frac{7}{7}$

2) Solve:  $\frac{1}{3} + \frac{2}{3} = ?$

A.  $\frac{3}{6}$

B.  $\frac{1}{3}$

C.  $\frac{3}{3}$  or 1

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

3) Which of the following does **not** have at least one line of symmetry?

 A. Right isosceles triangle B. Equilateral triangle C. Scalene right triangle D. Isosceles trapezoid

4) A growing shape pattern shows: Figure 1 has 2 squares, Figure 2 has 5 squares, Figure 3 has 8 squares. Following the pattern, how many squares are in Figure 6?

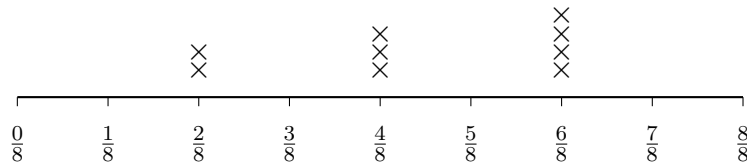
5) Which is a prime number between 20 and 30?

 A. 21 B. 22 C. 24 D. 29



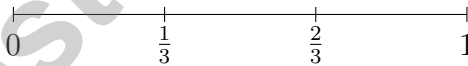


1) A line plot shows data in eighths:

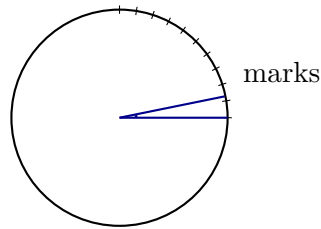


If all measurements at  $\frac{6}{8}$  inch are removed, how many X marks remain on the line plot?

- A. 3
  - B. 4
  - C. 5
  - D. 6
- 2) In the number 3,334, the digit 3 appears in three places. What is the sum of the values of all three 3's?
- A. 333
  - B. 3,300
  - C. 3,330
  - D. 3,333
- 3) Where should  $\frac{2}{6}$  be placed on the number line?



- A. At 0
  - B. Between 0 and  $\frac{1}{3}$
  - C. At  $\frac{1}{3}$
  - D. Between  $\frac{1}{3}$  and  $\frac{2}{3}$
- 4) A ribbon is cut into 2 equal pieces, and 1 piece is painted. Another identical ribbon is cut into 4 equal pieces, and 2 pieces are painted. Are the painted amounts equivalent?
- A. Yes, both are  $\frac{1}{2}$
  - B. Yes, both are  $\frac{1}{4}$
  - C. No, the first ribbon has more painted
  - D. No, the second ribbon has more painted



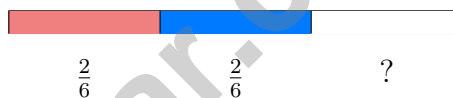
5)

This angle reaches the first  $9^\circ$  mark. How many one-degree angles make this angle?

- A. 9 one-degree angles                       C. 18 one-degree angles  
 B.  $4.5^\circ$      D.  $1^\circ$

6) A bicycle wheel spins  $\frac{5}{6}$  of a full rotation. How many degrees is this?

- A.  $240^\circ$      C.  $300^\circ$   
 B.  $270^\circ$      D.  $330^\circ$



7)

A fabric strip shows three equal parts. The red part is  $\frac{2}{6}$  and the blue part is  $\frac{2}{6}$ . What fraction is white?

- A.  $\frac{2}{6}$      C.  $\frac{1}{6}$   
 B.  $\frac{4}{6}$      D.  $\frac{3}{6}$

8) A triangle has three angles that are all less than 90 degrees. What type of triangle is it?

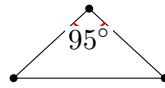
- A. Obtuse triangle                                       C. Right triangle  
 B. Acute triangle                                       D. Isosceles triangle



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5) Look at the triangle. It has one angle that is 95 degrees. What type of triangle is it?



- A. Acute triangle                       C. Obtuse triangle  
 B. Right triangle                       D. Equilateral triangle
- 6) Diego wants to give away  $\frac{5}{6}$  of his sticker sheets. What fraction is that as a sum of unit fractions?

- A.  $\frac{1}{5} + \frac{1}{5} + \frac{1}{5} + \frac{1}{5} + \frac{1}{5}$                        C.  $\frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6}$   
 B.  $\frac{5}{6}$      D.  $\frac{6}{6}$
- 7) In a classroom, there are 6 windows. There are 8 times as many tiles on the floor as windows. How many tiles are on the floor? If each tile costs \$2, how much do all the tiles cost in total?
- A. \$84     C. \$12  
 B. \$48     D. \$96

8) Look at the place-value chart. Which statement is true?

Thousands	Hundreds	Tens	Ones
4	2	6	8

- A. The tens digit equals 8.                       C. The hundreds place has value 20.  
 B. The thousands digit is in the tens       D. The hundreds place has value 200.  
 place.



## Practice Test Answer Keys

**How to use this section with a Grade 4 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 A is correct.** (4.CAR.6) The pizza was cut into 12 equal slices, so each slice is  $\frac{1}{12}$ . Mia ate 7 slices, which equals  $7 \times \frac{1}{12} = \frac{7}{12}$ .
- Choice C is correct.** (4.NPV.8) Combine thirds:  $1 + 2 = 3$  thirds total. That's  $\frac{3}{3}$ , which is exactly 1 whole.
- Choice C is correct.** (4.GM.6) A scalene right triangle has all three sides different lengths and a right angle. Since nothing matches on either side, no fold creates matching halves. The answer is Scalene right triangle.
- The correct answer is 17.** (4.CAR.1) Add 3 each time: 2, 5, 8, 11, 14, 17. Figure 6 has 17 squares.
- Choice D is correct.** (4.CAR.1) Test each:  $21 = 3 \times 7$  (composite);  $22 = 2 \times 11$  (composite);  $24 = 2 \times 12$  (composite); 29 has no factors besides 1 and itself—**prime!**
- Choice B is correct.** (4.DA.2) On the line plot, count the X marks stacked above  $\frac{2}{4}$  inch. There are exactly 2 X marks at that position.
- Choice D is correct.** (4.CAR.4) Think:  $72 \div 8 = 9$ , bring down the 8 to get  $8 \div 8 = 1$ . So each box holds 91 stickers.
- Choice A is correct.** (4.NPV.8) Multiply the whole by the denominator:  $4 \times 3 = 12$ . Add the numerator:  $12 + 2 = 14$ . The result is  $\frac{14}{3}$ .
- Choice D is correct.** (4.CAR.8) Three steps! Step 1: total plants:  $20 + 15 = 35$ . Step 2: subtract the dead plants:  $35 - 5 = 30$  plants. Step 3: multiply by fruit per plant:  $30 \times 12 = 360$  fruits expected.
- Choice A is correct.** (4.NPV.8) The picture shows three paint cans. Two cans are filled (blue sections), one is empty. Add the two filled cans:  $\frac{1}{3} + \frac{1}{3} = \frac{2}{3}$  total paint.
- Choice B is correct.** (4.GM.11) Sam starts with 5 liters and uses 2 liters for punch. Subtract to find what's left:  $5 - 2 = 3$  liters. He has 3 liters remaining.
- Choice D is correct.** (4.NPV.3) We're rounding to the nearest ten thousand. Look at the thousands digit: 5. Since  $5 \geq 5$ , we round UP! The ten thousands digit changes from 5 to 6, giving us **60,000**. ✓
- Choice B is correct.** (4.NPV.9) 3 tenths = 0.3 and 7 hundredths = 0.07. Add them:  $0.3 + 0.07 = 0.37$ .
- Choice B is correct.** (4.GM.1) Point V marks the vertex—the point where the two rays meet.
- The correct answer is 80.** (4.GM.1) The angle marked from  $0^\circ$  to  $80^\circ$  measures  **$80^\circ$** .
- Choice C is correct.** (4.NPV.8) A fraction is less than 1 when the numerator is less than the denominator. In  $\frac{7}{10}$ ,  $7 < 10$  ✓. The other three have numerators bigger than denominators.
- Choice C is correct.** (4.GM.1) Each hour mark on a clock is  $30^\circ$  apart, so  $120^\circ \div 30^\circ = 4$  marks.
- The correct answer is B, C.** (4.CAR.6) First calculate:  $3 \times \frac{2}{4} = \frac{3 \times 2}{4} = \frac{6}{4} = \frac{3}{2}$ . B shows three bars with two-fourths shaded in each =  $\frac{3}{2}$  ✓. C shows three bars with one-half shaded in each; since  $\frac{2}{4} = \frac{1}{2}$ , this also equals  $\frac{3}{2}$  ✓. A has only one bar, D shows full bars, E shows six bars. The answers are **B and C**.
- Choice A is correct.** (4.NPV.8) Two equal jumps of  $\frac{3}{8}$  each:  $3 + 3 = 6$ , so  $\frac{3}{8} + \frac{3}{8} = \frac{6}{8}$  ✓. Both parts are the same!
- Choice A is correct.** (4.GM.5) Examining the figure, no opposite sides appear to be parallel to each other. The single right angle marked at one corner does not indicate that opposite sides are parallel. The answer is **A**.
- Choice C is correct.** (4.GM.2) A very small angle is acute, opening just a tiny amount from the baseline.  $10^\circ$  is very close to  $0^\circ$  and matches this narrow angle perfectly. The other choices open much wider. The answer is **10 degrees**.
- Choice A is correct.** (4.CAR.2) The farmer uses some grain, so we subtract.  $23,456 - 5,678 = 17,778$  kg left.
- Choice B is correct.** (4.NPV.9) Convert the fractions to decimals:  $\frac{2}{10} = 0.2$  and  $\frac{4}{10} = 0.4$ . The decimal 0.3 fits between them.
- Choice D is correct.** (4.NPV.1) Check each number: 1,945 has 9 in the hundreds place (worth 900). The other options have 9 in different places. Answer: **1,945**. ✓
- The correct answer is 608.** (4.CAR.3) Use a clever strategy:  $32 \times 19 = 32 \times (20 - 1) = 640 - 32 = 608$ .
- Choice B is correct.** (4.CAR.6) Six napkins at  $\frac{1}{2}$  dollar each cost  $6 \times \frac{1}{2} = \frac{6}{2} = 3$  dollars.
- Choice D is correct.** (4.DA.1) Here we already know the larger amount (36) and the comparison (9 times). To find the smaller amount, “undo” the multiplication by dividing:  $36 \div 9 = 4$ . Yesterday the baker made **4 muffins**.



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## Hi, Math Detective!

◇ You did such a great job! You finished 10 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](mailto:jay@testinar.com).

**Jay Daie**

Your Math Detective Helper

# PRACTICE TODAY. ACHIEVE TOMORROW!

This **Grade 4 Math Practice Tests** book is designed to help students build strong math skills, boost confidence, and succeed in the classroom and beyond. With 10 full-length practice tests that reflect real test formats, students get the targeted practice they need to master key concepts, improve problem-solving abilities, and achieve their goals.

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