

5 Arkansas ATLAS Grade 4 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Five 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.

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Welcome, Arkansas Math Explorer!

Five steady rounds on the Natural State math route

This book gives you five 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?

Five tests, 150 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 3–5	Skill-building rounds with fractions, measurement, area, data, and two-step problems.
Tests 3–5	Stamina rounds for mixed review, neat work, and flexible strategies.
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.



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- 1) Which multiplication sentence matches $\frac{4}{10}$?
- A. $10 \times \frac{1}{4}$ C. $6 \times \frac{1}{10}$
 B. $4 \times \frac{1}{10}$ D. $\frac{1}{4} \times 10$
- 2) The minute hand starts at 12 and moves to 6. How many degrees does it rotate?
- A. 90° C. 270°
 B. 180° D. 360°
- 3) Carter runs $\frac{3}{8}$ mile each morning. If he runs for 3 mornings, how far does he run in total?
- A. $\frac{3}{24}$ miles C. $\frac{6}{8}$ miles (or $\frac{3}{4}$ miles)
 B. $\frac{9}{8}$ miles (or $1\frac{1}{8}$ miles) D. $\frac{1}{8}$ mile
- 4) Which number correctly matches all three forms?
- A. Standard: 142,805; Word: "One hundred forty-two thousand, eight hundred five"; Expanded: $100,000 + 40,000 + 2,000 + 800 + 5$
 B. Standard: 142,805; Word: "Fourteen thousand, two hundred five"; Expanded: $100,000 + 40,000 + 2,000 + 800 + 5$
 C. Standard: 124,805; Word: "One hundred forty-two thousand, eight hundred five"; Expanded: $100,000 + 20,000 + 4,000 + 800 + 5$
 D. Standard: 142,850; Word: "One hundred forty-two thousand, eight hundred fifty"; Expanded: $100,000 + 40,000 + 2,000 + 800 + 5$



5) Which fraction is equivalent to $\frac{1}{5}$ and has a denominator of 10?

A. $\frac{1}{10}$

B. $\frac{5}{10}$

C. $\frac{3}{10}$

D. $\frac{2}{10}$

6) How many $\frac{1}{3}$ are there in the expression $\frac{1}{3} + \frac{1}{3} + \frac{1}{3} + \frac{1}{3} + \frac{1}{3} + \frac{1}{3}$?

A. 3

B. 6

C. 9

D. 12

7) A container has a mass of 5 kg. If Isabella adds $2\frac{1}{2}$ kg of apples and $1\frac{1}{2}$ kg of oranges, what is the total mass?

A. 7 kg

B. 8 kg

C. 9 kg

D. 10 kg

8) A student wrote: $\frac{3}{10} + \frac{3}{100} = \frac{6}{110}$. What is the correct answer?

A. $\frac{33}{100}$

B. $\frac{6}{100}$

C. $\frac{6}{110}$ (student is correct)

D. $\frac{30}{100}$

9) Which statement correctly compares these two angles?

Angle 1



Angle 2



A. Angle 1 is obtuse; Angle 2 is acute

B. Angle 1 is acute; Angle 2 is obtuse

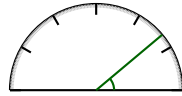
C. Both angles are right angles

D. Both angles are the same size



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10)



What is the measure of the angle shown?

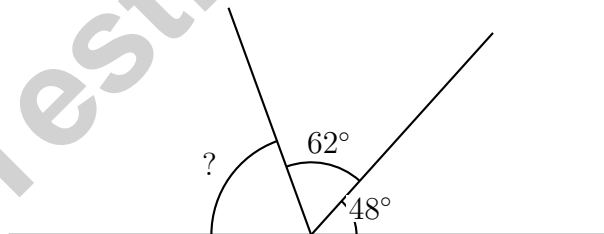
- A. 35 degrees C. 45 degrees
 B. 40 degrees D. 50 degrees

11) How many lines of symmetry does a circle have?

- A. 0 C. Infinitely many
 B. 1 D. 4

12) A construction company pours 32 sections of concrete. Each section uses 24 bags of cement. How many bags of cement are needed?

- A. 696 bags C. 850 bags
 B. 920 bags D. 768 bags

13) A straight angle of 180° is divided by two rays into three parts measuring 48° , 62° , and another unknown part. What is the measure of the unknown part?

- A. 110° C. 14°
 B. 70° D. 90°



1) A number line shows unit-fraction jumps. If you start at 0 and make 9 jumps of $\frac{1}{10}$, where do you land?

- A. $\frac{1}{10}$
 B. $\frac{9}{10}$

- C. $\frac{1}{90}$
 D. $\frac{10}{9}$

2) A store has 200 books. They receive 35 more books. Then they sell 78 books. How many books do they have left?

3) A spinner makes a $\frac{1}{4}$ turn. How many degrees does it rotate?

- A. 45°
 B. 60°

- C. 90°
 D. 120°

4) Here is a line plot with eighths:



What is the sum of all measurements shown on this line plot?

- A. $\frac{24}{8}$
 B. $\frac{25}{8}$

- C. $\frac{26}{8}$
 D. $\frac{29}{8}$



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5) Ming walks 2 miles to school. How many yards is this?

- A. 528 C. 3,520
 B. 1,056 D. 5,280

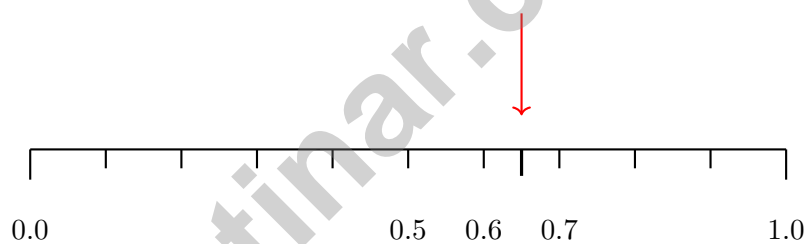
6) Write $\frac{5}{10}$ as an equivalent fraction with denominator 100.

- A. $\frac{5}{100}$ C. $\frac{500}{100}$
 B. $\frac{50}{100}$ D. $\frac{50}{10}$

7) If an angle measures 55° , how many one-degree angles make it?

- A. 5.5 one-degree angles C. 110 one-degree angles
 B. 55 one-degree angles D. 550 one-degree angles

8) Look at the number line below. What decimal is shown by the arrow?



- A. 0.6 C. 0.56
 B. 0.65 D. 0.68

9) A store has 36 balloons. Another store has 3 times as many balloons. How many balloons does the other store have?

- A. 39 C. 126
 B. 72 D. 108



- 1) A juice jug contains 2 liters. How many milliliters is this?

- 2) In the number 7,654, how many times greater is the value of the 6 than the value of the 5?

- A. 10 times C. 12 times
 B. 100 times D. 1,000 times

- 3) Round 33,666 to the nearest hundred.

- A. 33,600 C. 33,670
 B. 34,000 D. 33,700

- 4) A model shows 3 tiles, each equal to $\frac{2}{3}$. What is the total?



- A. $\frac{2}{3}$ C. $\frac{6}{3}$
 B. $\frac{3}{3}$ D. $\frac{2}{9}$

- 5) Which numeral represents “five thousand, two hundred thirty-four”?

- A. 52,340 C. 523,400
 B. 5,324 D. 5,234



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& answers

- 6) A rectangle has a perimeter of 50 feet. If the length is 15 feet, what is the width?
- A. 5 ft C. 15 ft
 B. 10 ft D. 20 ft
- 7) Diego collected ant speeds (in eighths of an inch per second). His data: $\frac{1}{8}$, $\frac{2}{8}$, $\frac{2}{8}$, $\frac{1}{8}$, $\frac{3}{8}$, $\frac{2}{8}$, $\frac{1}{8}$. On the line plot, how many X marks are at $\frac{1}{8}$?
- A. 2 C. 4
 B. 3 D. 5
- 8) Which list shows multiples of 3?
- A. 3, 6, 9, 12, 16 C. 3, 6, 8, 12, 15
 B. 3, 6, 9, 12, 15 D. 3, 5, 9, 12, 15
- 9) Henry jumps $\frac{1}{2}$ meter 9 times. How far does he jump altogether?
- A. $\frac{1}{18}$ meter C. $\frac{9}{1}$ meter
 B. $\frac{9}{2}$ meters or $4\frac{1}{2}$ meters D. $\frac{10}{2}$ meters
- 10) A triangle has all three angles less than 90° . How many acute angles does it have?



- 11) Which statement is false?

- A. $\frac{50}{100} = 0.50$ C. $\frac{100}{100} = 10.0$
 B. $\frac{9}{10} = 0.9$ D. $\frac{4}{10} = 0.4$



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 B is correct.** (4.CAR.6) The fraction $\frac{4}{10}$ is the same as 4 copies of $\frac{1}{10}$. We write this multiplication as $4 \times \frac{1}{10}$.
- Choice B is correct.** (4.GM.1) From 12 to 6 on a clock is a half turn (straight across), which is 180° .
- Choice B is correct.** (4.CAR.6) Carter runs $\frac{3}{8}$ mile each morning for 3 mornings. We multiply: $3 \times \frac{3}{8} = \frac{9}{8}$ miles.
- Choice A is correct.** (4.NPV.4) Choice A matches all three forms: standard 142,805, word form “one hundred forty-two thousand, eight hundred five”, and expansion $100,000 + 40,000 + 2,000 + 800 + 5$ ✓
- Choice D is correct.** (4.NPV.8) Multiply both numerator and denominator by 2 to get a denominator of 10: $\frac{1}{5} = \frac{1 \times 2}{5 \times 2} = \frac{2}{10}$.
- Choice B is correct.** (4.NPV.8) Look at the expression: $\frac{1}{3} + \frac{1}{3} + \frac{1}{3} + \frac{1}{3} + \frac{1}{3} + \frac{1}{3}$. Count them: **6** copies of $\frac{1}{3}$.
- Choice C is correct.** (4.GM.11) Step 1: Add the fruit: $2\frac{1}{2} + 1\frac{1}{2} = 4$ kg. Step 2: Add the container: $5 + 4 = 9$ kg. The total mass is **9** kilograms.
- Choice A is correct.** (4.NPV.9) The student tried to add the denominators, which is wrong! The correct way: convert $\frac{3}{10} = \frac{30}{100}$, then add: $\frac{30}{100} + \frac{3}{100} = \frac{33}{100}$.
- Choice B is correct.** (4.GM.4) Angle 1 is a small opening — less than 90° — so it’s acute. Angle 2 opens much wider, more than 90° , making it obtuse.
- Choice B is correct.** (4.GM.2) One ray starts at 0° , and the other ray points to the 40° mark. Since $40^\circ < 90^\circ$, this is an acute angle. The answer is **40** degrees.
- Choice C is correct.** (4.GM.6) A circle is super special! No matter which direction you draw a line through its center, both sides match perfectly. You could draw infinitely many such lines, so a circle has infinitely many lines of symmetry.
- Choice D is correct.** (4.CAR.3) Distribute: $32 \times (20 + 4) = 640 + 128 = \mathbf{768}$ bags.
- Choice B is correct.** (4.GM.3) The diagram shows a straight angle divided into three parts. Add the two known ones: $48^\circ + 62^\circ = 110^\circ$. Then subtract: $180^\circ - 110^\circ = \mathbf{70^\circ}$.
- Choice A is correct.** (4.NPV.8) Jasmine’s ribbon is cut, so subtract the cut part from the original length: $3\frac{2}{4} - 1\frac{1}{4} = 2\frac{1}{4}$ feet of ribbon remains.
- Choice C is correct.** (4.NPV.1) If the same digit is in the thousands place (worth digit $\times 1,000$) and the ones place (worth digit $\times 1$), the ratio is $1,000 \div 1 = \mathbf{1,000}$. ✓
- The correct answer is A, C.** (4.CAR.6) A checkmark: three bars, each $\frac{1}{5}$, total $\frac{3}{5}$. C checkmark: three fifths reached by hops. B uses fourths (wrong). D and E show only one fifth (not three).
- Choice C is correct.** (4.NPV.8) Subtract the wholes: $4 - 2 = 2$. Subtract the fractions: $\frac{5}{6} - \frac{1}{6} = \frac{4}{6}$. The difference is $2\frac{4}{6}$.
- Choice B is correct.** (4.GM.8) Convert 3 liters to mL: $3 \times 1,000 = 3,000$ mL. Since $2,500 \text{ mL} < 3,000 \text{ mL}$, the answer is **2,500** milliliters is smaller.
- Choice A is correct.** (4.NPV.8) Noah ate a total of $\frac{5}{8}$. Option A splits it into $\frac{2}{8}$ and $\frac{3}{8}$: $2 + 3 = 5$ ✓.
- The correct answer is $2\frac{1}{4}$.** (4.CAR.6) Triple means multiply by 3. We take 3 copies of $\frac{3}{4}$: $3 \times \frac{3}{4} = \frac{9}{4} = 2\frac{1}{4}$. The answer is $2\frac{1}{4}$.
- Choice D is correct.** (4.CAR.8) Two steps! Step 1: equal groups means divide. $24 \div 4 = 6$ stickers in the group Sam keeps. Step 2: add the new stickers: $6 + 8 = 14$ stickers now.
- Choice D is correct.** (4.DA.1) “8 times as many” is a multiplication signal. Make 8 groups of the 4 basketballs: $4 \times 8 = 32$ tennis balls.
- Choice D is correct.** (4.CAR.1) The pattern repeats every 2 shapes: circle, square, circle, square, ... Position 10 is even, so it’s a square. ✓
- Choice D is correct.** (4.CAR.7) “5 times as many” is a multiplication signal. Her brother has 5 groups of Jada’s 3 stickers: $5 \times 3 = 15$ stickers.
- Choice A is correct.** (4.NPV.8) Find common denominator 12: $\frac{5}{6} = \frac{10}{12}$ and $\frac{3}{4} = \frac{9}{12}$. Since $\frac{10}{12} > \frac{9}{12}$, Noah used more paint.



A Note From Your Math Friend

Hi, Math Star!

◇ Wow! You finished 5 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 5 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.

Jay Daie

Your Math Friend

5 PRACTICE TESTS. BUILD SKILLS. BOOST CONFIDENCE!

This **Grade 4 Math Practice Tests** book is designed to help students master essential math concepts, improve problem-solving skills, and build the confidence they need to excel.

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- ✓ Multiplication & Division
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