

7

Arkansas

ATLAS

GRADE 4 MATH

PRACTICE TESTS

Standards-Aligned Review with
Mixed Practice and Answer Key



7 Full-Length
Practice Tests



Standards-
Aligned



Build Confidence
and Skills



Mixed Question
Types

**ANSWER
KEY**

INCLUDED

$$\begin{array}{r} 25 \\ +37 \\ \hline 62 \end{array}$$

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

7 Arkansas ATLAS Grade 4 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Seven 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!

Seven steady rounds on the Natural State math route

This book gives you seven 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?

Seven tests, 210 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 5–7	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.

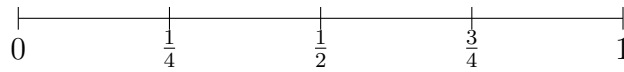


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For more practice
& answers

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5) On the number line, which fraction is between $\frac{1}{4}$ and $\frac{3}{4}$?



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

6) Which is true?

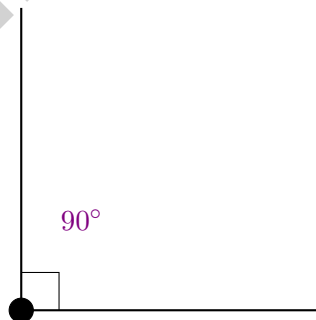
- A. $0.5 > \frac{6}{10}$
- B. $0.5 < \frac{4}{10}$
- C. $0.5 = \frac{5}{10}$
- D. $0.5 = \frac{5}{100}$

7) Which pair of line segments is perpendicular?



- A. Diagram A
- B. Diagram B
- C. Diagram C
- D. Diagram D

8)



A right angle shown in purple measures 90 degrees. An obtuse angle would measure:

- A. less than 90 degrees
- B. exactly 90 degrees
- C. between 90 and 180 degrees
- D. exactly 180 degrees



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9) What is the next number in the sequence? 3, 6, 12, 24, 48, ___

10)



This bar shows $\frac{3}{4}$ yard of ribbon shaded. If you take 2 ribbons like this, how many yards of ribbon do you have?

A. $\frac{6}{4}$ yards (or $1\frac{1}{2}$ yards)

C. $\frac{5}{4}$ yards

B. $\frac{3}{4}$ yard

D. $\frac{2}{4}$ yard

11) Carlos uses 7 out of 10 equal pieces of string. What fraction of the string did he use?

12) Ethan has \$35 and spends \$12 on a book. How much money does he have left?

A. \$12

C. \$47

B. \$23

D. \$35

13) Ming's bookshelf is a rectangle. It is 16 inches long and 12 inches wide. What is the area of the bookshelf?

A. 192 sq in

C. 28 sq in

B. 56 sq in

D. 256 sq in



1) What is $72 \div 8$?

2) Mia measured fish lengths in halves of an inch: $\frac{1}{2}$, $\frac{1}{2}$, $\frac{1}{2}$, 1, $\frac{3}{2}$, 1. When plotted, which length has the most X marks?

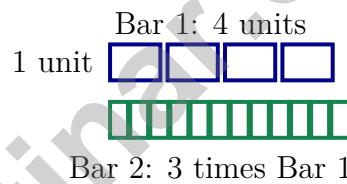
A. $\frac{1}{2}$ in

C. $\frac{3}{2}$ in

B. 1 in

D. 2 in

3) Look at the bar model. Both bars show a total of how much?



A. 4 units

C. 12 units

B. 8 units

D. 16 units

4) A ribbon is 0.75 meters long. Which fraction is equivalent to this length?

A. $\frac{7}{10}$

C. $\frac{75}{10}$

B. $\frac{75}{100}$

D. $\frac{750}{100}$



1) Mia is comparing two prices. Socks cost \$0.80 and a pencil costs \$0.08. Which item costs more?

- A. The socks (\$0.80) C. Both cost the same
 B. The pencil (\$0.08) D. The pencil costs 10 times more

2) A hiking trail is 8 kilometers long. Convert this distance to meters.

3) A full turn around a circle measures how many degrees?

- A. 90° C. 270°
 B. 180° D. 360°

4) Is $\frac{3}{5}$ greater than or less than $\frac{1}{2}$?

- A. Greater than $\frac{1}{2}$ C. Equal to $\frac{1}{2}$
 B. Less than $\frac{1}{2}$ D. Cannot determine

5) Which of these is NOT equivalent to 0.3?

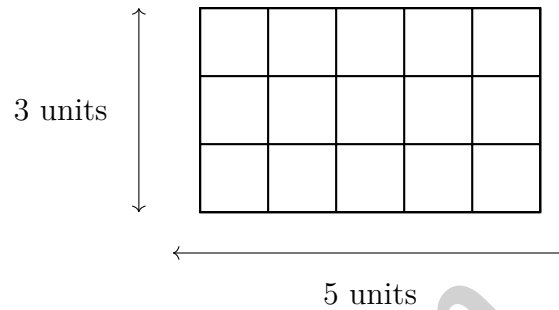
- A. $\frac{3}{10}$ C. $\frac{30}{100}$
 B. 0.30 D. $\frac{3}{100}$



6) What does $\frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12}$ equal?

- A. $\frac{9}{9}$
 B. $\frac{9}{12}$

- C. $\frac{1}{9}$
 D. $\frac{3}{12}$



7)

What is the perimeter of the rectangle shown?

- A. 16 units
 B. 15 units

- C. 8 units
 D. 30 units

8) Which set of unit fractions adds up to $\frac{5}{6}$?

- A. Five $\frac{1}{6}$'s
 B. Six $\frac{1}{5}$'s

- C. Five $\frac{1}{12}$'s
 D. Two $\frac{1}{6}$'s

9) Dakota has 32 beads. Dakota has 4 times as many beads as Ryan. How many beads does Ryan have?



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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.NPV.8) The garden bed is divided into sections shown in the picture. Step 1: Add the vegetables and flowers: $\frac{3}{10} + \frac{4}{10} = \frac{7}{10}$. Step 2: The rest is herbs: $\frac{10}{10} - \frac{7}{10} = \frac{3}{10}$.
- Choice C is correct.** (4.GM.1) An angle that contains 80 one-degree angles measures 80° .
- Choice D is correct.** (4.NPV.4) The hundred-thousands and ten-thousands match. Hundreds place: $100 < 200$, so $345,100 < 345,200$ ✓
- Choice B is correct.** (4.NPV.9) The answer is true, but the reasoning is wrong! Don't compare the digits "5" and "45." Instead, compare place values: Rewrite as $0.5 = 0.50$, so 5 tenths $>$ 4 tenths. Therefore $0.5 > 0.45$.
- Choice B is correct.** (4.NPV.8) On the number line, $\frac{1}{2}$ is clearly marked between $\frac{1}{4}$ and $\frac{3}{4}$.
- Choice C is correct.** (4.NPV.9) 0.5 is five tenths: $0.5 = \frac{5}{10}$. This is the correct equation.
- Choice D is correct.** (4.GM.4) Perpendicular segments cross at exactly 90° — look for that special little square symbol. Diagram D has it, showing two segments meeting perfectly at right angles.
- Choice C is correct.** (4.GM.1) Obtuse angles are larger than right angles (90 degrees) but smaller than straight angles (180 degrees).
- The correct answer is 96.** (4.CAR.1) Double each term: 3, 6, 12, 24, 48, **96**. The next term is **96**.
- Choice A is correct.** (4.CAR.6) The bar shows that one ribbon is $\frac{3}{4}$ yard. With 2 ribbons like this, we get $2 \times \frac{3}{4} = \frac{6}{4} = 1\frac{1}{2}$ yards.
- The correct answer is $\frac{7}{10}$.** (4.NPV.8) Carlos uses 7 pieces out of 10, which is $\frac{7}{10}$. As unit fractions: $\underbrace{\frac{1}{10} + \frac{1}{10} + \dots + \frac{1}{10}}_{7 \text{ copies}}$
- Choice B is correct.** (4.GM.11) Ethan has \$35 and spends \$12 on a book. Subtract: $35 - 12 = 23$ dollars. He has **\$23** left.
- Choice A is correct.** (4.GM.7) Bookshelf area = $16 \times 12 = 192$ sq in.
- Choice D is correct.** (4.DA.1) "2 times as many" is your signal to multiply. Sam has 2 groups of Maria's 3 stickers: $2 \times 3 = 6$. So Sam has **6** stickers.
- Choice A is correct.** (4.GM.8) Since 1 pound = 16 ounces, divide: $8 \div 16 = \frac{1}{2}$ pound. The answer is $\frac{1}{2}$ pound.
- The correct answer is A, D.** (4.NPV.8) A: $3 + 4 = 7$ ✓. D: Seven unit tenths: $7 \times \frac{1}{10}$ ✓. Both work!
- Choice B is correct.** (4.GM.3) The two folds meet at a point. Combine their angles: $70^\circ + 20^\circ = 90^\circ$.
- Choice D is correct.** (4.CAR.8) Two parts! First: $144 \div 12 = 12$ full crates. Then the 9 extra toys won't fill a crate but still need one—so we round up: $12 + 1 = 13$ crates total.
- The correct answer is $3\frac{7}{8}$.** (4.NPV.8) Add the wholes: $2 + 1 = 3$. Add the fractions: $\frac{3}{8} + \frac{4}{8} = \frac{7}{8}$. The sum is **$3\frac{7}{8}$** . Since the fractions add to less than a whole, no regrouping is needed.
- Choice B is correct.** (4.NPV.8) Same denominator, same rule: add the numerators ($4 + 5 = 9$), keep the denominator. Answer: $\frac{9}{10}$.
- Choice D is correct.** (4.CAR.3) Split and calculate: $18 \times (10 + 6) = 180 + 108 = 288$ square units.
- Choice D is correct.** (4.GM.6) A regular hexagon (6 equal sides) is balanced six ways. Three lines pass through opposite corners, and three pass through the middle of opposite sides. The answer is **6** lines of symmetry.
- Choice D is correct.** (4.CAR.7) Liam's 40 pennies are 5 times the friend's amount. To find the friend's amount, divide: $40 \div 5 = 8$ pennies.
- Choice B is correct.** (4.NPV.9) First, convert $\frac{6}{10}$ to hundredths: $\frac{6}{10} = \frac{60}{100}$. Then add: $\frac{60}{100} + \frac{20}{100} = \frac{80}{100}$.
- Choice A is correct.** (4.DA.2) Count the heights: $\frac{1}{4}$ in appears 3 times (the mode!), $\frac{2}{4}$ in appears 2 times, and $\frac{3}{4}$ in appears 1 time. So $\frac{1}{4}$ in is most common.
- Choice C is correct.** (4.NPV.1) "7 hundreds" means $7 \times 100 = 700$. The full number 6,731 confirms this. ✓
- Choice A is correct.** (4.GM.2) The vertex is where the two rays meet—this is the pivot point of the angle. To measure accurately, this point must be placed right at the center dot or mark on the protractor. This is how we align everything correctly. The answer is at the center point.



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Ahoy, Math Sailor!

◇ You sailed through 7 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 7 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

7 FULL-LENGTH TESTS TO MASTER GRADE 4 MATH!

This **Grade 4 Math Practice Tests** book provides the practice your child needs to build strong math skills, understand key concepts, and gain the confidence to succeed on every test.

With 7 full-length practice tests, a wide range of question types, and detailed answer explanations, students will improve accuracy, strengthen problem-solving abilities, and prepare for classroom success and beyond.



PERFECT FOR:

- ✓ Classroom Practice
- ✓ Homework & Review
- ✓ Independent Learning
- ✓ Test Preparation
- ✓ Confidence Building
- ✓ Skill Reinforcement

★ CONFIDENCE IN MATH.
SUCCESS FOR LIFE.

WHAT STUDENTS WILL GAIN



Stronger Math Skills

Build a solid foundation through targeted practice and review.



Better Problem Solving

Develop logical thinking and effective solution strategies.



Test Confidence

Become familiar with test-style questions and formats.



Track Progress

Measure growth across multiple practice tests.



Academic Success

Strengthen skills needed for future learning.

$$\begin{array}{r} 45 \\ -17 \\ \hline 28 \end{array}$$



$$7 \times 8 = 56$$

TOPICS COVERED

- ✓ Place Value & Number Sense
- ✓ Multi-Digit Addition & Subtraction
- ✓ Multiplication & Division
- ✓ Fractions & Equivalent Fractions
- ✓ Decimals & Comparing Numbers
- ✓ Geometry & Shapes
- ✓ Measurement & Data
- ✓ Perimeter & Area
- ✓ Word Problems
- ✓ Patterns & Algebraic Thinking
- ✓ Graphs & Data Interpretation
- ✓ And More!



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Build Confidence and Skills



Mixed Question Types



Answer Key Included