

8 Arkansas ATLAS GRADE 4



PRACTICE TESTS



Standards-Aligned Review with
Mixed Practice and Answer Key

**COMPREHENSIVE
TEST PREP**

Includes Solutions

8 Arkansas ATLAS Grade 4 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Eight 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!

Eight steady rounds on the Natural State math route

This book gives you eight 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?

Eight tests, 240 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 6–8	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 decimal is the same as $\frac{40}{100}$?

A. 0.04

B. 0.40

C. 0.004

D. 4.0

2) What is $2 \times \frac{4}{5}$?

A. $\frac{8}{10}$

B. $\frac{6}{5}$

C. $\frac{4}{10}$

D. $\frac{8}{5}$ or $1\frac{3}{5}$

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3) Which shows the four correct partial products for 24×19 ?

$20 \times 10 = 200$	$4 \times 10 = 40$
$20 \times 9 = 180$	$4 \times 9 = 36$

A.

$20 \times 19 = 380$	$4 \times 19 = 76$
20	4

B.

$20 \times 10 = 200$	$4 \times 19 = 76$
$20 \times 9 = 180$	$4 \times 10 = 40$

C.

$20 \times 10 = 200$	$4 \times 10 = 40$
$20 \times 9 = 180$	$4 \times 8 = 32$

D.



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4) Which addition is correct?

A. $5,234 + 3,456 = 8,690$

C. $5,234 + 3,456 = 8,780$

B. $5,234 + 3,456 = 8,590$

D. $5,234 + 3,456 = 9,690$

5) Diego used $\frac{9}{10}$ of his water supply. He used $\frac{6}{10}$ on the hike and $\frac{3}{10}$ at camp. Which shows this decomposition?

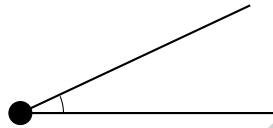
A. $\frac{6}{10} + \frac{3}{10} = \frac{9}{10}$

C. $\frac{7}{10} + \frac{1}{10} = \frac{8}{10}$

B. $\frac{5}{10} + \frac{3}{10} = \frac{8}{10}$

D. $\frac{8}{10} + \frac{2}{10} = \frac{10}{10}$

6)



The angle shown has a small opening. Which statement is true?

 A. It is a right angle C. It is an acute angle B. It is a straight angle D. It is an obtuse angle

7) A gardener has 256 grams of seeds to divide equally into 8 packets. How many grams of seeds are in each packet?

 A. 32 g C. 64 g B. 48 g D. 128 g

1) A bookstore has 3,041 books on the shelves. How many complete hundreds of books are on the shelves?

A. 3

C. 4

B. 300

D. 30

2) If you multiply the numerator and denominator of $\frac{2}{5}$ by 3, what fraction do you get?

A. $\frac{5}{8}$

C. $\frac{5}{15}$

B. $\frac{6}{8}$

D. $\frac{6}{15}$

3) A rectangular table is 5 feet long and 3 feet wide. What is the perimeter of the table?

A. 8 ft

C. 16 ft

B. 15 ft

D. 30 ft

4) Kai started with $5\frac{4}{6}$ meters of rope. He cut off a piece, leaving $2\frac{2}{6}$ meters. How much rope did he cut off?

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

C. $3\frac{2}{6}$ meters

B. $3\frac{1}{6}$ meters

D. $4\frac{1}{6}$ meters

5) In 130,800, what digit is in the hundreds place?



6) Mia had $\frac{9}{10}$ gallon of paint and used $\frac{4}{10}$. How much is left?



water left removed
 $\frac{3}{5}$ filled, then $\frac{1}{5}$ removed

7)

A container divided into 5 equal parts is $\frac{3}{5}$ filled with water. If $\frac{1}{5}$ of the water is removed, what fraction of the container remains filled?

- | | |
|---|---|
| <input type="checkbox"/> A. $\frac{1}{5}$ | <input type="checkbox"/> C. $\frac{4}{5}$ |
| <input type="checkbox"/> B. $\frac{2}{5}$ | <input type="checkbox"/> D. $\frac{3}{5}$ |

8) A sticker weighs $\frac{1}{5}$ ounce. Emma has 3 stickers. What is the total weight in ounces?

- | | |
|--|--|
| <input type="checkbox"/> A. $\frac{1}{15}$ ounce | <input type="checkbox"/> C. $\frac{3}{15}$ ounce |
| <input type="checkbox"/> B. $\frac{3}{5}$ ounce | <input type="checkbox"/> D. $\frac{5}{3}$ ounces |

9) Ava is comparing two running times. Her first race was 0.55 seconds and her second race was 0.50 seconds. Which time was faster?

- | | |
|--|--|
| <input type="checkbox"/> A. 0.55 seconds (first race) | <input type="checkbox"/> C. Both are the same |
| <input type="checkbox"/> B. 0.50 seconds (second race) | <input type="checkbox"/> D. Cannot tell from the information |

10) A pattern of numbers follows the rule “add the previous two numbers.” Starting with 3 and 4, what is the 5th term?

- | | |
|--------------------------------|--------------------------------|
| <input type="checkbox"/> A. 12 | <input type="checkbox"/> C. 16 |
| <input type="checkbox"/> B. 14 | <input type="checkbox"/> D. 18 |



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1) Which number does NOT belong in this pattern? 12, 24, 36, 50, 60

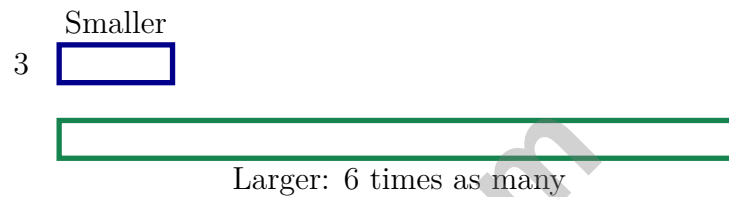
A. 12

C. 50

B. 36

D. 60

2) Look at the bar model. What is the larger amount?



The smaller bar is 3. The larger bar is 6 times as many. What is the larger amount?

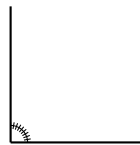
A. 3

C. 6

B. 9

D. 18

3)



This is a right angle. How many one-degree angles make a right angle?

A. 45 one-degree angles

C. 90 one-degree angles

B. 180 one-degree angles

D. 360 one-degree angles

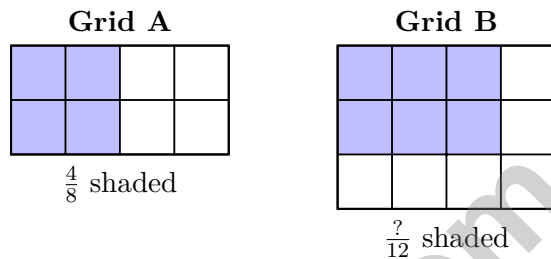


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4) A garden hose is 50 feet long. How many whole yards is this?

- A. 15 C. 17
 B. 16 D. 18

5) Look at the grid models below. Both grids show equivalent shaded regions. Which fraction should replace the question mark?



- A. $\frac{6}{12}$ C. $\frac{4}{12}$
 B. $\frac{8}{12}$ D. $\frac{3}{12}$

6) A school library has 12 books about animals. It has 4 times as many books about sports. How many sports books does the library have?

- A. 16 C. 42
 B. 32 D. 48

7)

$$\begin{array}{r}
 2,347 \\
 +3,285 \\
 \hline
 \end{array}$$

↗ Carry 1
 ↘ Add ones: $7 + 5 = 12$

What is the sum $2,347 + 3,285$?

- A. 5,632 C. 5,542
 B. 5,722 D. 5,742

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.

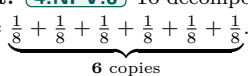
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Practice Test Answers and Explanations

Practice Test 1 Answers and Explanations

- Choice B is correct.** **(4.NPV.9)** Forty hundredths can be written as 0.40 or 0.4. Either way, they're the same value.
- Choice D is correct.** **(4.CAR.6)** We take 2 copies of $\frac{4}{5}$. Multiply: $2 \times \frac{4}{5} = \frac{2 \times 4}{5} = \frac{8}{5} = 1\frac{3}{5}$. The answer is $1\frac{3}{5}$.
- Choice A is correct.** **(4.CAR.3)** Split both: $24 = 20 + 4$ and $19 = 10 + 9$. This creates four areas: $20 \times 10 = 200$, $4 \times 10 = 40$, $20 \times 9 = 180$, $4 \times 9 = 36$. Choice A is correct.
- Choice A is correct.** **(4.CAR.2)** To check which is correct, add: ones $4 + 6 = 10$ (write 0, carry 1), tens $3 + 5 + 1 = 9$, hundreds $2 + 4 = 6$, thousands $5 + 3 = 8$. The correct answer is **8,690**.
- Choice A is correct.** **(4.NPV.8)** Diego used $\frac{6}{10}$ on the hike and $\frac{3}{10}$ at camp. Total water used: $6 + 3 = 9$, so $\frac{6}{10} + \frac{3}{10} = \frac{9}{10}$ ✓.
- Choice C is correct.** **(4.GM.1)** The opening is smaller than a right angle, so this is an acute angle.
- Choice A is correct.** **(4.GM.11)** There are 256 grams of seeds for 8 packets. Divide equally: $256 \div 8 = 32$ grams. Each packet has **32** grams of seeds.
- Choice B is correct.** **(4.GM.7)** The rectangle is 10 in long and 6 in wide. Perimeter = $2(10) + 2(6) = 20 + 12 = 32$ in.
- Choice B is correct.** **(4.GM.6)** A non-square rectangle is longer in one direction, so it balances in two ways: a vertical fold through the middle and a horizontal fold through the middle. The answer is **2** lines of symmetry.
- Choice D is correct.** **(4.CAR.7)** Look at the picture: Raj's group has 2 rows of 6 books—that's 2 times Mira's amount. Multiply: $2 \times 6 = 12$ books.
- Choice A is correct.** **(4.CAR.1)** Apply "subtract 5" starting at 50. Term 1: 50. Term 2: $50 - 5 = 45$. Term 3: $45 - 5 = 40$. Term 4: $40 - 5 = 35$. So the first four terms are 50, 45, 40, 35, which matches choice A.
- Choice A is correct.** **(4.NPV.8)** A farmer has two field sections. Add the areas: $1\frac{2}{5} + 2\frac{3}{5} = 3\frac{5}{5} = 4$ acres total.
- Choice B is correct.** **(4.DA.2)** Leo's total: $\frac{6}{4}$. Sam's total: $\frac{4}{4} = 1$. Chris's total: $\frac{9}{4}$. Sam has the shortest length.
- The correct answer is B, C.** **(4.NPV.3)** B ✓: In 5,678, hundreds digit is $6 \geq 5$, round UP to 6,000. C ✓: In 3,456, tens digit is $5 \geq 5$, round UP to 3,500. A: 2,345 rounds DOWN to 2,300. D: 7,234 rounds DOWN to 7,000. E: 9,999 rolls over to 10,000.
- Choice B is correct.** **(4.NPV.9)** 0.35 fits perfectly between 0.3 and 0.4. The other options fall outside this range.
- Choice D is correct.** **(4.CAR.1)** Try the small primes: 19 is odd (not $\div 2$); digits $1 + 9 = 10$ (not $\div 3$); doesn't end in 0 or 5 (not $\div 5$); $7 \times 2 = 14$, $7 \times 3 = 21$ (no 7). The only factors of 19 are 1 and 19 itself. *Exactly two factors* = **prime**.
- Choice C is correct.** **(4.NPV.8)** Add the wholes: $1 + 2 = 3$. Add the fractions: $\frac{3}{10} + \frac{5}{10} = \frac{8}{10}$. The sum is $3\frac{8}{10}$.
- Choice A is correct.** **(4.NPV.9)** Convert $\frac{7}{10}$ to hundredths: $\frac{7}{10} = \frac{70}{100}$. Now add: $\frac{70}{100} + \frac{10}{100} = \frac{80}{100}$.
- The correct answer is 8.** **(4.CAR.8)** Equal teams is a division signal. Step 1: set up: $48 \div 6$. Step 2: solve: $48 \div 6 = 8$ students on each team. *Quick check:* $6 \times 8 = 48$. ✓
- Choice D is correct.** **(4.NPV.8)** Check D: $\frac{2}{3}$ with denominator 12 would be $\frac{2 \times 4}{3 \times 4} = \frac{8}{12}$, not $\frac{7}{12}$. False! A, B, and C are all true equivalent fractions.
- The correct answer is $\frac{3}{4}$.** **(4.NPV.8)** Find common denominator 12: $\frac{3}{4} = \frac{9}{12}$ and $\frac{2}{3} = \frac{8}{12}$. Since $9 > 8$, $\frac{3}{4}$ cup of flour is greater.
- Choice B is correct.** **(4.NPV.8)** To decompose means to break apart. Breaking $\frac{6}{8}$ into unit fractions means showing it as a sum of $\frac{1}{8}$'s: $\frac{6}{8} = \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8}$.


- Choice B is correct.** **(4.GM.1)** This obtuse angle measures 135° , which is **135** one-degree angles.
- The correct answer is 560.** **(4.CAR.4)** Divide: $50 \div 9 = 5$ r5, bring down the 4 to get $54 \div 9 = 6$, bring down the 0 to get $0 \div 9 = 0$. Each section has **560** feet of fence.
- Choice D is correct.** **(4.NPV.4)** From the chart: ten-thousands: 4, thousands: 0 (omit), hundreds: 5, tens: 0 (omit), ones: 6 → "forty thousand, five hundred six" ✓
- Choice A is correct.** **(4.CAR.6)** We have 2 strings that are each $\frac{2}{8}$ meter long. We multiply: $2 \times \frac{2}{8} = \frac{4}{8}$, which simplifies to $\frac{1}{2}$ meter.



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Notes From Your Math Builder

Hi, Math Builder!

◇ Through 8 practice tests, you built your math house brick by brick. The walls are strong. The roof is on. You are ready for anything test day brings. ◇

★ **Builders know:** good plans make strong houses. You learned to plan, then build. That helps with any problem. ★

Builder's Tools

- **Foundation:** ROCK SOLID. Math facts are in place.
- **Frame:** STRONG. You can break problems into parts.
- **Walls:** TIDY. Your work is neat and clear.
- **Roof:** DONE. You always answer the question.

Builder tip: on test day, build each answer like a tiny house. Read first. Plan next. Do the math. Then check!

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

Jay Daie

Your Math Builder

8 PRACTICE TESTS. PREPARE. PRACTICE. SUCCEED!

This **Grade 4 Math Practice Tests** book is designed to help students build strong math skills, master essential concepts, and boost confidence for success in the classroom and beyond.

Featuring 8 full-length practice tests, a variety of question types, and detailed answer explanations, this book provides the practice and support students need to improve accuracy, strengthen problem-solving abilities, and achieve their best.

Perfect for classroom use, homework, test preparation, and extra practice at home.

PERFECT FOR:

- ✓ Classroom Practice
- ✓ Homework & Review
- ✓ Independent Learning
- ✓ Test Preparation
- ✓ 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.

TOPICS COVERED

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



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