

6 Arkansas ATLAS

GRADE 4 MATH PRACTICE TESTS

Standards-Aligned Review with
Mixed Practice and Answer Key



MASTER KEY MATH CONCEPTS
BUILD CONFIDENCE FOR TEST DAY

INCLUDES COMPREHENSIVE ANSWER KEY
ALIGNED STATE STANDARDS

6 Arkansas ATLAS Grade 4 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Six 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!

Six steady rounds on the Natural State math route

This book gives you six 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?

Six tests, 180 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 4–6	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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Table of Contents

★ Practice Test 1	_____	14
★ Practice Test 2	_____	25
★ Practice Test 3	_____	36
★ Practice Test 4	_____	47
★ Practice Test 5	_____	58
★ Practice Test 6	_____	70
Practice Test Answer Keys	_____	81
Practice Test Answers and Explanations	_____	85

6) Which is the smallest fraction?

A. $\frac{2}{3}$

B. $\frac{2}{4}$

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

D. $\frac{2}{5}$

7) What is $2\frac{3}{5} + 1\frac{1}{5}$?

A. $3\frac{2}{5}$

B. $3\frac{3}{5}$

C. $3\frac{4}{5}$

D. $4\frac{4}{5}$

8) Look at the numbers: 1,111, 2,222, 3,333. In each number, the value of the digit in the thousands place is how many times the value of the digit in the hundreds place?

 A. 1 time

 B. Equal

 C. 100 times

 D. 10 times

9) Which fraction equals $6 \times \frac{1}{8}$?

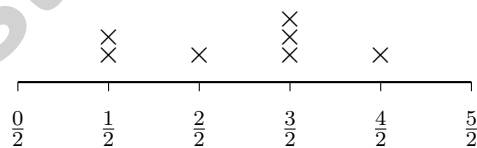
A. $\frac{1}{8}$

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

C. $\frac{6}{48}$

D. $\frac{1}{48}$

10) Look at this line plot with halves:



How many more X marks are at $\frac{3}{2}$ than at $\frac{1}{2}$?

 A. 1

 B. 2

 C. 3

 D. 4

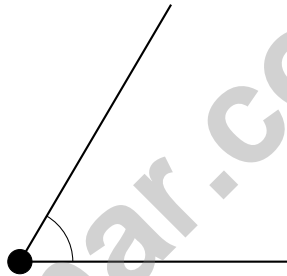

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11) Find $4,368 \div 8$.

12) A craft project needs 27 beads per bracelet. A shop has 350 beads total. How many complete bracelets can they make, and will there be beads left over?

- A. 12 bracelets, 1 bead left C. 13 bracelets, 1 bead left
 B. 13 bracelets, 0 beads left D. 12 bracelets, 26 beads left

13)



Comparing this angle to a straight angle, this angle is:

- A. much smaller C. slightly smaller
 B. about the same size D. much larger
- 14) A gear rotates $\frac{7}{12}$ of a full turn, then rotates an additional $\frac{1}{12}$ turn. What is the total rotation in degrees?
- A. 180° C. 240°
 B. 210° D. 270°



1) What does a point represent in geometry?

- A. An exact location with no size or shape
- B. A small circle on a diagram
- C. The corner of a shape
- D. The space between two lines

2) Kai has 9 toy trucks. His brother has 2 times as many. How many trucks does his brother have?

- A. 11
- B. 9
- C. 7
- D. 18

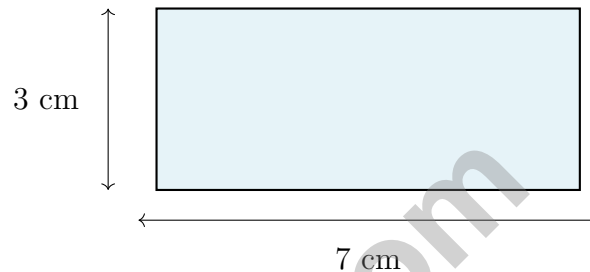
3) A triangle has angles 50° and 60° . What is the third angle?

4) A juice stand makes 8 pitchers. Each pitcher has 9 cups. They sell 36 cups. How many cups are left?

- A. 28
- B. 72
- C. 44
- D. 36



- 5) A 3 in the hundreds place is worth 300. A 3 in the tens place is worth 30. What is the difference?



6)

What is the area of the rectangle shown above?

- A. 10 sq cm C. 21 sq cm
 B. 20 sq cm D. 28 sq cm
- 7) What is $55,432 - 23,108$?
- A. 32,324 C. 31,324
 B. 32,234 D. 32,334

- 8) Hassan ate $\frac{2}{6}$ of a pizza and Iris ate $\frac{1}{3}$ of an identical pizza. Who ate more, or did they eat the same amount?



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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 C is correct.** **(4.GM.11)** The train travels 200 m in 4 seconds. In 8 seconds (double the time), it travels twice as far: $200 \times 2 = 400$ meters. It will travel **400** meters.
- The correct answer is 3.** **(4.DA.1)** We know the larger amount (12 blue shirts) and the comparison (4 times). To find the smaller amount, divide: $12 \div 4 = 3$ red shirts.
- Choice C is correct.** **(4.NPV.8)** Let's count the unit fractions: $\frac{1}{10}$ appears 8 times. The denominator stays 10, and the numerator is the count: $\frac{8}{10}$.
- Choice B is correct.** **(4.NPV.9)** Compare tenths: $6 < 7$. Among the two with tenths = 6, compare hundredths: $0 < 7$, so $0.6 < 0.67$. Among the two with tenths = 7, compare hundredths: $0 < 7$, so $0.7 < 0.77$.
- Choice D is correct.** **(4.CAR.7)** The bar model shows the friend's bar split into 3 equal pieces, each the size of Elena's 2 books. So we multiply: $3 \times 2 = 6$ books.
- Choice C is correct.** **(4.NPV.8)** All fractions have numerator 2. Larger denominator means smaller pieces, so the biggest denominator (6) gives the smallest fraction.
- Choice C is correct.** **(4.NPV.8)** Add the wholes: $2 + 1 = 3$. Add the fractions: $\frac{3}{5} + \frac{1}{5} = \frac{4}{5}$. Put them together: **$3\frac{4}{5}$** .
- Choice D is correct.** **(4.NPV.1)** In any number, the thousands place is always 10 times the hundreds place. Example: in 2,222, thousands is 2,000 and hundreds is 200; $2,000 \div 200 = 10$ times. ✓
- Choice B is correct.** **(4.CAR.6)** The multiplication $6 \times \frac{1}{8}$ tells us to take 6 copies of $\frac{1}{8}$. Combining them gives us $\frac{6}{8}$.
- Choice A is correct.** **(4.DA.2)** Look at $\frac{1}{2}$ inch: there are 2 X marks. At $\frac{3}{2}$ inches: there are 3 X marks. The difference is $3 - 2 = 1$.
- The correct answer is 546.** **(4.CAR.4)** Long division: $4 \div 8 = 0$ r4, bring down the 3 to get $43 \div 8 = 5$ r3, bring down the 6 to get $36 \div 8 = 4$ r4, bring down the 8 to get $48 \div 8 = 6$. The quotient is **546**. *Quick check:* $546 \times 8 = 4,368$. ✓
- Choice D is correct.** **(4.CAR.8)** Divide to share equally: $350 \div 27 = 12$ remainder 26. So 12 complete bracelets are made, with 26 beads left over (not enough for one more bracelet, since one more needs 27).
- Choice A is correct.** **(4.GM.1)** This angle is much smaller than a straight angle (180 degrees). It appears to be acute or close to right.
- Choice C is correct.** **(4.GM.1)** $\frac{7}{12} + \frac{1}{12} = \frac{8}{12} = \frac{2}{3}$ of a full turn. $\frac{2}{3} \times 360^\circ = 240^\circ$.
- Choice B is correct.** **(4.CAR.6)** Each plant needs $\frac{1}{6}$ gallon, and Olivia has 8 plants. Multiply: $8 \times \frac{1}{6} = \frac{8 \times 1}{6} = \frac{8}{6} = 1\frac{1}{3}$ gallons. The answer is $1\frac{1}{3}$ gallons.
- The correct answer is A, D.** **(4.CAR.1)** Test each by trying small prime divisors (2, 3, 5, 7). 31: passes all—**prime** ✓. 33 = 3×11 (composite). 35 = 5×7 (composite). 37: passes all—**prime** ✓. 39 = 3×13 (composite). So choices A and D are the prime numbers.
- Choice D is correct.** **(4.CAR.1)** Check the rule: $1 \times 5 = 5$, $2 \times 5 = 10$, $3 \times 5 = 15$, $4 \times 5 = 20$. The rule is "multiply by 5". ✓
- The correct answer is 90.** **(4.GM.1)** A right angle always measures 90° , which is **90** one-degree angles.
- Choice C is correct.** **(4.CAR.6)** Lia jumps five times by $\frac{1}{10}$ each time: $5 \times \frac{1}{10} = \frac{5}{10}$.
- Choice A is correct.** **(4.GM.7)** Area = $7 \times 5 = 35$ sq cm.
- Choice A is correct.** **(4.GM.3)** To find the missing part, subtract what you know from the whole: $112^\circ - 63^\circ = 49^\circ$.
- Choice B is correct.** **(4.GM.8)** Since 1 liter = 1,000 milliliters, multiply: $3 \times 1,000 = 3,000$ mL. The answer is **3,000** mL.
- Choice A is correct.** **(4.NPV.8)** The cake recipe uses sugar and flour as shown in the picture. Add them with like denominators: $\frac{4}{6} + \frac{2}{6} = \frac{6}{6}$ cups total.
- Choice A is correct.** **(4.GM.5)** A scalene triangle has all three sides of different lengths, with no two sides equal to each other. The absence of tick marks on the sides confirms no sides are equal. The answer is **A**.
- Choice A is correct.** **(4.NPV.3)** We're rounding to the nearest hundred, so check the tens digit of each. Option A (6,293): tens digit is $9 \geq 5$, rounds UP to **6,300**. ✓ Option B (6,234): tens digit is $3 < 5$, rounds DOWN to 6,200 (not 6,300). Option C (6,249): tens digit is $4 < 5$, rounds DOWN to 6,200 (not 6,250). Option D (6,251): tens digit is $5 \geq 5$, rounds UP to 6,300 (not 6,200).



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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.

Jay Daie

Your Math Friend

PRACTICE TODAY, SUCCEED TOMORROW!

This **Grade 4 Math Practice Tests** book is the perfect tool to help students strengthen their math skills, master important concepts, and build confidence for test success.

With 6 full-length practice tests, a variety of question types, and detailed answer explanations, students get the review and practice they need to improve accuracy, develop critical thinking, and achieve their best.

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

PERFECT FOR:

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

★ **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.



Master Key Concepts

Reinforce important skills aligned with grade-level standards.



Prepare for Success

Build the confidence needed to do your best on test day.

TOPICS COVERED

- ✓ Place Value & Number Sense
- ✓ Addition & Subtraction
- ✓ Multiplication & Division
- ✓ Fractions & Equivalent Fractions
- ✓ Decimals
- ✓ Geometry & Measurement
- ✓ Perimeter & Area
- ✓ Data, Graphs & Line Plots
- ✓ Patterns & Algebraic Thinking
- ✓ And More!



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