

4

Arkansas

ATLAS

GRADE 4

MATH

PRACTICE TESTS



5 FULL-LENGTH
PRACTICE TESTS



Standards-Aligned Review with
Mixed Practice and Answer Key



STANDARDS-ALIGNED
REVIEW



MIXED PRACTICE
QUESTIONS



ANSWER KEY
INCLUDED



$$4 \times 7 = 28$$

$$36 \div 9 = 4$$

$$\begin{array}{r} 125 \\ + 87 \\ \hline 212 \end{array}$$



4 Arkansas ATLAS Grade 4 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Four focused 30-question missions for Grade 4 math: number facts, fractions, measurement, data, area, shapes, answer keys, and clear explanations for every item.

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Welcome, Arkansas Math Explorer!

Four steady rounds on the Natural State math route

This book gives you four 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?

Four tests, 120 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 2–4	Skill-building rounds with fractions, measurement, area, data, and two-step problems.
Tests 2–4	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.



Scan me!
For more practice
& answers

Table of Contents

★ Practice Test 1	_____	14
★ Practice Test 2	_____	24
★ Practice Test 3	_____	36
★ Practice Test 4	_____	47
Practice Test Answer Keys	_____	57
Practice Test Answers and Explanations	_____	60

5) A rectangle has a length of 13 inches and a width of 6 inches. What is its perimeter?

A. 19 in

B. 38 in

C. 78 in

D. 39 in

6) How does 0.4 compare to 0.40?

A. $0.4 < 0.40$

B. $0.4 > 0.40$

C. $0.4 = 0.40$

D. $0.4 = 0.04$

7) Emma has 6 books. Her sister has 3 times as many. How many books does her sister have?

A. 9

B. 3

C. 6

D. 18

8) If an angle has 38 one-degree angles, what is its measure?

A. 38°

B. 19°

C. 76°

D. 380°

9) Round 52,834 to the nearest hundred.

A. 53,000

B. 52,834

C. 52,900

D. 52,800

10) Find $5 \times \frac{1}{8}$.

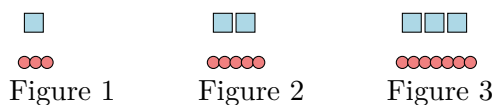


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11) Which list shows consecutive multiples of 5 starting at 5?

- A. 5, 10, 15, 20, 25 C. 5, 10, 15, 20, 30
 B. 5, 15, 20, 35, 40 D. 10, 20, 30, 40, 50

12) A shape pattern uses squares and circles. The pattern is:



How many circles are in Figure 4?

- A. 7 C. 9
 B. 8 D. 10

13) An acute angle measures less than how many degrees?

14) What is $34,567 + 12,321$?

- A. 46,888 C. 47,888
 B. 46,788 D. 46,978

15) A line plot shows ribbon lengths (in fourths of an inch): $\frac{1}{4}$, $\frac{2}{4}$, $\frac{2}{4}$, $\frac{3}{4}$, $\frac{2}{4}$, $\frac{3}{4}$, $\frac{3}{4}$. Which two statements are correct?

- A. There are 3 X marks at $\frac{2}{4}$ inch.
 B. There are 2 X marks at $\frac{1}{4}$ inch.
 C. There are 3 X marks at $\frac{3}{4}$ inch.
 D. The range is $\frac{3}{4}$ inch.
 E. The total number of ribbons is 8.



5) Marcus reads $\frac{3}{12}$ of a book each day. How much of the book does he read in 4 days?

- A. $\frac{3}{48}$ of the book C. $\frac{4}{12}$ of the book
 B. $\frac{12}{12}$ of the book (or the whole book) D. $\frac{7}{12}$ of the book

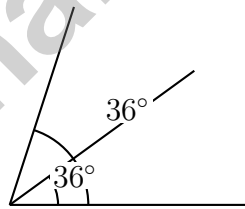
6) Ava has two bags of stickers. One bag has 4 stickers out of 8 total. The other bag has 2 stickers out of 4 total. Are the fractions of stickers equivalent?

- A. Yes, both are $\frac{1}{2}$ C. No, the fractions are different
 B. Yes, both are $\frac{1}{4}$ D. Cannot be determined

7) What is $3\frac{4}{6} + 1\frac{2}{6}$?

- A. $4\frac{5}{6}$ C. 5
 B. $5\frac{1}{6}$ D. $4\frac{2}{6}$

8) A ramp is built at an angle. Half of the ramp's total angle is 36° . What is the measure of the entire ramp's angle?



- A. 36° C. 18°
 B. 72° D. 90°



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1) Sam has \$0.25. Write this amount as a fraction of a dollar.

2) Estimate by rounding to the nearest thousand: $26,345 - 8,912 = ?$

A. About 18,000

C. About 19,000

B. About 20,000

D. About 17,000

3) Rio says that $\frac{2}{3} > \frac{2}{5}$. Is Rio correct?

A. Yes, Rio is correct

D. Cannot determine without a picture

B. No, they are equal

C. No, $\frac{2}{3} < \frac{2}{5}$

4) Jackson has $3\frac{5}{6}$ cups of juice. He drinks $2\frac{2}{6}$ cups. How much juice remains?

A. $1\frac{3}{6}$

C. $5\frac{7}{6}$

B. $1\frac{2}{6}$

D. $2\frac{3}{6}$

5) If you turn $\frac{1}{6}$ of the way around a circle, how many degrees do you turn?

A. 60°

C. 120°

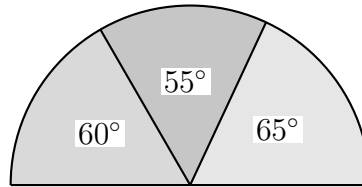
B. 90°

D. 180°



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6) Look at the pie chart diagram. Three slices have angles of 65° , 55° , and 60° .



What is the combined angle measure of these three slices?

- A. 120° C. 145°
 B. 180° D. 200°

7) Which of the following is a prime number?

- A. 9 C. 17
 B. 15 D. 21

8) Add: $\frac{2}{10} + \frac{35}{100}$. Express your answer as a fraction with denominator 100.

9) A pizza box is a rectangle with a length of 14 inches and a width of 14 inches. What is the area of the box?

- A. 196 sq in C. 56 sq in
 B. 228 sq in D. 28 sq in



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 D is correct.** (4.NPV.1) The digit 5 is in the thousands place. Its value is $5 \times 1,000 = 5,000$. ✓
- Choice D is correct.** (4.NPV.8) Both bars show the same shaded length. The denominator goes from 3 to 6 (multiply by 2), so the numerator also goes from 1 to 2: $\frac{1}{3} = \frac{1 \times 2}{3 \times 2} = \frac{2}{6}$.
- Choice C is correct.** (4.NPV.8) Subtract the numerators: $11 - 6 = 5$. Keep the same denominator: $\frac{5}{12}$.
- Choice C is correct.** (4.NPV.8) Both circles show exactly half shaded: $\frac{2}{4} = \frac{1}{2}$ and $\frac{3}{6} = \frac{1}{2}$. Equally shaded!
- Choice B is correct.** (4.GM.7) $P = 2(13) + 2(6) = 26 + 12 = 38$ in.
- Choice C is correct.** (4.NPV.9) A trailing zero doesn't change the value. Both 0.4 and 0.40 represent the same amount: 4 tenths, or 40 hundredths.
- Choice D is correct.** (4.DA.1) "3 times as many" is a multiplication signal. Emma's sister has $6 \times 3 = 18$ books.
- Choice A is correct.** (4.GM.1) An angle made of 38 one-degree angles has a measure of 38° .
- Choice D is correct.** (4.NPV.3) We're rounding to the nearest hundred. Look at the tens digit: 3. Since $3 < 5$, we round DOWN. The hundreds digit stays at 8, giving us **52,800**. ✓
- The correct answer is $\frac{5}{8}$.** (4.CAR.6) Five eighths: $5 \times \frac{1}{8} = \frac{5}{8}$.
- Choice A is correct.** (4.CAR.1) Multiples of 5 are what you get when you skip-count by 5: 5, 10, 15, 20, 25, ... Choice A counts in order with no skips. Choice B jumps 10 → 20 → 35 (gaps); choice C jumps over 25; choice D starts at 10 instead of 5.
- Choice C is correct.** (4.CAR.1) Count circles: Figure 1 has 3, Figure 2 has 5, Figure 3 has 7. Each time adds 2 circles. So Figure 4 has $7 + 2 = 9$ circles.
- The correct answer is 90.** (4.GM.1) An acute angle is less than **90** degrees.
- Choice A is correct.** (4.CAR.2) Add by place value from right to left: ones $7 + 1 = 8$, tens $6 + 2 = 8$, hundreds $5 + 3 = 8$, thousands $4 + 2 = 6$, ten-thousands $3 + 1 = 4$. The sum is **46,888**.
- The correct answer is A, C.** (4.DA.2) A is correct: $\frac{3}{4}$ in has 3 X marks. C is correct: $\frac{3}{4}$ in has 3 X marks. Statement B is false: only 1 ribbon measured $\frac{1}{4}$ in. Statement D is false: the range is $\frac{3}{4} - \frac{1}{4} = \frac{2}{4}$, not $\frac{3}{4}$. Statement E is false: the total is 7 ribbons, not 8.
- Choice B is correct.** (4.GM.5) Triangles are classified in two ways: by their angle measures (acute, right, obtuse) or by their side lengths (equilateral, isosceles, scalene). Looking at angles or sides helps identify the type of triangle. The answer is **B**.
- Choice C is correct.** (4.GM.8) Since 1 kilometer = 1,000 meters, multiply: $4 \times 1,000 = 4,000$ m. The answer is **4,000** m.
- Choice C is correct.** (4.CAR.6) To find the missing number, think: How many copies of $\frac{1}{5}$ do we need to make $\frac{3}{5}$? We need 3 copies. So the equation is $3 \times \frac{1}{5} = \frac{3}{5}$.
- Choice C is correct.** (4.CAR.6) Six garden beds, each needing $\frac{2}{3}$ bag of soil, need $6 \times \frac{2}{3} = \frac{12}{3} = 4$ bags total.
- Choice A is correct.** (4.NPV.8) One whole is $\frac{6}{6}$, plus $\frac{1}{6}$ more: $6 + 1 = 7$, so $\frac{6}{6} + \frac{1}{6} = \frac{7}{6} = 1\frac{1}{6}$. ✓
- Choice B is correct.** (4.NPV.8) Add the wholes: $2 + 1 = 3$. Add the fractions: $\frac{5}{8} + \frac{3}{8} = \frac{8}{8} = 1$. Combine into a whole: $3 + 1 = 4$.
- Choice C is correct.** (4.GM.11) One lap takes 3 minutes. For 9 laps, multiply: $3 \times 9 = 27$ minutes. It will take **27** minutes total.
- Choice B is correct.** (4.GM.6) A square has 4 lines, circles have many, and rectangles have 2. Only an equilateral triangle with three equal sides balances in exactly 3 directions. The answer is It is an equilateral triangle.
- Choice A is correct.** (4.NPV.9) Convert both endpoints: $\frac{4}{10} = \frac{40}{100}$ and $\frac{6}{10} = \frac{60}{100}$. The fraction $\frac{45}{100}$ falls between them.
- Choice C is correct.** (4.GM.2) The ray points to the 125° mark, which is between the 120° and 135° benchmarks. Since 125° is between 90° and 180° , it's obtuse. The answer is **125** degrees.
- Choice B is correct.** (4.NPV.9) Tenths fill the first decimal place. $\frac{6}{10} = 0.6$, so the answer is **0.6**.
- Choice C is correct.** (4.GM.1) In 30 minutes, the minute hand moves from 12 to 6 (a half turn), sweeping **180°** .



Inventor's Workshop Note

Hi, Math Inventor!

◇ 4 practice tests. 4 chances to invent new ways to think. You tried things. You changed them. You made your math brain stronger! ◇

★ **Inventors know:** the first try isn't always the best try. Sometimes you fix it. Sometimes you start over. You did all of that! ★

Inventor's Workshop

- **Sketch Pad:** Full of ideas!
- **Toolbox:** Lots of math strategies.
- **Workbench:** Neat and organized.
- **Brave Mind:** You try new things.

Inventor tip: on test day, if your first try doesn't work, switch tools. Inventors don't get stuck on one tool. Pick the right one for the job!

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

Jay Daie

Your Math Inventor

PRACTICE TODAY, SUCCEED TOMORROW!

This **Grade 4 Math Practice Tests** book is the perfect tool to help students build strong math skills, master key concepts, and gain the confidence they need to excel.

With 4 full-length practice tests, a variety of question types, and detailed answer explanations, students get the review and practice they need to strengthen problem-solving skills 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 Building

★ **CONFIDENCE TODAY.
SUCCESS TOMORROW!**

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.



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 & Decimals
- ✓ Geometry & Measurement
- ✓ Data, Graphs & Line Plots
- ✓ Perimeter & Area
- ✓ Patterns & Algebraic Thinking
- ✓ Word Problems
- ✓ And More!



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