

9

$$256 \div 8 = 32$$



$$48 \times 7 = 336$$

Arkansas ATLAS

GRADE 4

MATH

PRACTICE TESTS

Standards-Aligned Review with
Mixed Practice and Answer Key



**9 FULL-LENGTH
PRACTICE TESTS**



**STANDARDS-ALIGNED
REVIEW**



**MIXED PRACTICE
BUILD SKILLS & CONFIDENCE**



**ANSWER KEY
FOR ALL TESTS**



$$\frac{3}{4} + \frac{1}{4} = 1$$



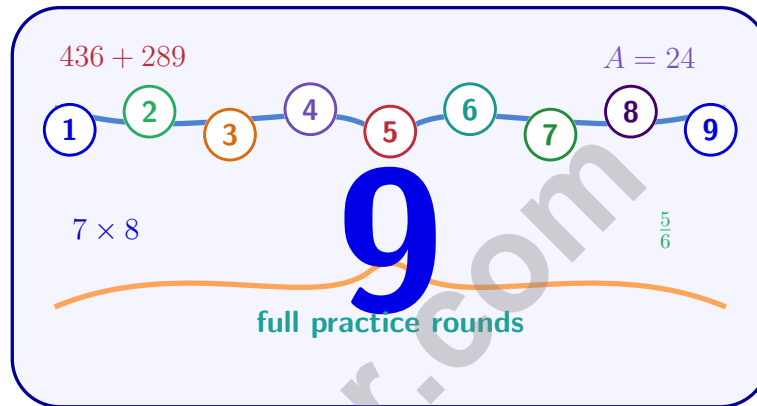
$$725 - 358 = 367$$

PREPARE
PRACTICE
SUCCEED
PERFORM

**PRACTICE TODAY.
SUCCEED TOMORROW.**

9 Arkansas ATLAS Grade 4 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Nine 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!

Nine steady rounds on the Natural State math route

This book gives you nine 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?

Nine tests, 270 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 7–9	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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& answers

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1) A basketball game starts at 6:00 p.m. and ends at 8:30 p.m. How long is the game?

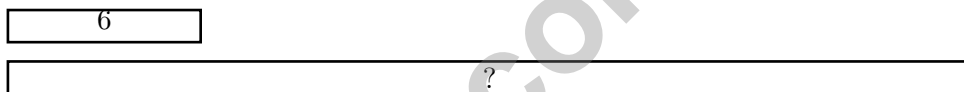
Start	End
6:00 p.m.	8:30 p.m.

- A. 1 hour
 B. 2 hours
 C. 2 hours 30 minutes
 D. 3 hours

2) Which statement is true?

- A. $0.7 > 0.70$
 B. $0.7 < 0.70$
 C. $0.7 = 0.70$
 D. $0.7 < 0.07$

3) 5 times



A baker made 6 chocolate cookies. She made 5 times as many vanilla cookies. How many vanilla cookies did she make?

- A. 11
 B. 25
 C. 30
 D. 36
- 4) A bakery bakes 3 batches of rolls. Each batch makes 28 rolls. The rolls go into boxes of 8. How many complete boxes can they fill?



5) What is the relationship between a 90° angle and a 180° angle?

- A. 180° is 2 times 90° C. 90° is 2 times 180°
 B. 180° is 3 times 90° D. They are equal

6) A letter has no line of symmetry. How many lines of symmetry does it have?

7) Noah walks $\frac{2}{8}$ mile each day. How far does he walk in 4 days?

- A. $\frac{8}{8}$ mile or 1 mile C. $\frac{6}{8}$ mile
 B. $\frac{2}{32}$ mile D. $\frac{4}{8}$ mile

8) Add: $\frac{1}{10} + \frac{45}{100}$.

- A. $\frac{46}{100}$ C. $\frac{55}{100}$
 B. $\frac{46}{110}$ D. $\frac{1}{145}$

9) A rectangle has an area of 45 square centimeters. The length is 9 centimeters. What is the width?

- A. 4 cm C. 7 cm
 B. 6 cm D. 5 cm

10) What is 11,111 rounded to the nearest thousand?

- A. 10,000 C. 12,000
 B. 11,100 D. 11,000



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11) Which pattern shows only odd numbers?

A. 2, 4, 6, 8, 10

C. 2, 3, 4, 5, 6

B. 1, 3, 5, 7, 9

D. 5, 10, 15, 20, 25

12) In the number 352,679, what is the value of the digit in the ten-thousands place?

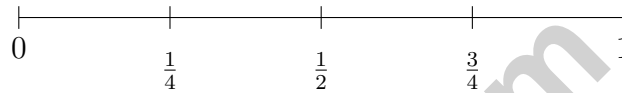
A. 5

C. 50,000

B. 5,000

D. 500,000

13) Three fractions are shown on the number line. Which is closest to 1?



A. $\frac{1}{4}$

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

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

D. All are equally close

14) Select the **TWO** correct answers.

Which pairs show equivalent weights?

A. 2 pounds and 48 ounces

B. 2 kilograms and 2,000 grams

C. 64 ounces and 3 pounds

D. 500 grams and 0.5 kilograms

E. 5 pounds and 90 ounces



1) Which of the following is the same as $5 \times \frac{1}{12}$?

A. $\frac{5}{12}$
 B. $\frac{12}{5}$

C. $\frac{1}{60}$
 D. $\frac{5}{1}$

2) Which shows a sum greater than 1?

A. $\frac{5}{8} + \frac{4}{8}$
 B. $\frac{3}{6} + \frac{2}{6}$

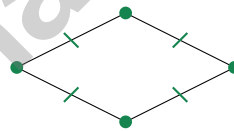
C. $\frac{4}{8} + \frac{2}{8}$
 D. $\frac{5}{10} + \frac{3}{10}$

3) In a 4-digit number, if the hundreds digit is 5, what is its value?

A. 5
 B. 50

C. 500
 D. 5,000

4) Look at the shape shown. It is a quadrilateral with four equal sides but no right angles. What is it?



All sides equal

A. Rectangle
 B. Square

C. Rhombus
 D. Trapezoid

5) Which tool is used to measure the size of an angle in degrees?

A. Protractor
 B. Compass

C. Ruler
 D. Calculator



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6) By what number do you multiply both the numerator and denominator of $\frac{1}{6}$ to get $\frac{2}{12}$?

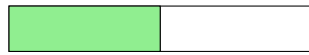
A. 1

C. 3

B. 6

D. 2

7) Which equation does this bar model show?



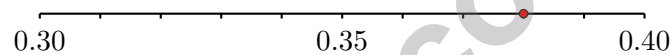
A. $2 \times \frac{2}{3}$

C. $4 \times \frac{1}{2}$

B. $2 \times \frac{1}{4}$

D. $2 \times \frac{1}{2}$

8) Look at the number line. What decimal is marked by the dot?



A. 0.38

C. 0.3

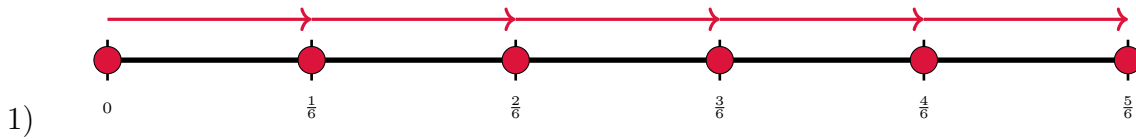
B. 0.8

D. 0.83

9) Find $2\frac{3}{4} - 1\frac{1}{4}$.

10) Convert $\frac{5}{10}$ to a fraction with denominator 100.





The number line shows 5 jumps of $\frac{1}{6}$. Which equation matches this?

A. $5 \times \frac{1}{6} = \frac{4}{6}$

B. $5 \times \frac{1}{6} = \frac{5}{6}$

C. $5 \times \frac{6}{1} = 30$

D. $\frac{5}{1} = 5$

2) Is 41 prime or composite?

 A. Both

 B. Composite

 C. Neither

 D. Prime

3) The place-value tables show two decimals.

Decimal	Tenths	Hundredths
Decimal 1	6	3
Decimal 2	3	6

Which decimal is smaller?

 A. Decimal 1 (0.63)

 B. Decimal 2 (0.36)

 C. They are equal

 D. Cannot compare with diagrams

4) If the pattern “subtract 6” starts at 80, what is the 4th term?

 A. 56

 B. 74

 C. 68

 D. 62


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 game starts at 6:00 p.m. and ends at 8:30 p.m. From 6:00 to 8:00 is 2 hours, plus 30 more minutes. Total: 2 hours 30 minutes. The game is **2 hours 30 minutes** long.
- Choice C is correct.** (4.NPV.9) A trailing zero in a decimal doesn't change the value: $0.7 = 0.70$. Both equal seven tenths.
- Choice C is correct.** (4.CAR.7) The bar model shows the vanilla bar is 5 equal pieces, each the size of the 6 chocolate cookies. Multiply: $5 \times 6 = 30$ vanilla cookies.
- The correct answer is 10.** (4.CAR.8) Two steps! Step 1: total rolls: $3 \times 28 = 84$ rolls. Step 2: pack into boxes of 8: $84 \div 8 = 10$ remainder 4. The 4 extra rolls don't fill a box, so they fill **10** complete boxes.
- Choice A is correct.** (4.GM.1) 180° is exactly twice as large as 90° : $180^\circ = 2 \times 90^\circ$. So **180°** is 2 times **90°** .
- The correct answer is 0.** (4.GM.6) If a letter has no line of symmetry, the number of lines is zero, so the answer is **0**.
- Choice A is correct.** (4.CAR.6) Noah walks $\frac{2}{8}$ mile per day for 4 days. Multiply: $4 \times \frac{2}{8} = \frac{4 \times 2}{8} = \frac{8}{8} = 1$ mile. The answer is **1** mile.
- Choice C is correct.** (4.NPV.9) Convert $\frac{1}{10}$ to hundredths: $\frac{1}{10} = \frac{10}{100}$. Now add the two fractions with the same denominator: $\frac{10}{100} + \frac{45}{100} = \frac{55}{100}$.
- Choice D is correct.** (4.GM.7) From $45 = 9 \times w$: Divide to get $w = 45 \div 9 = 5$ cm.
- Choice D is correct.** (4.NPV.3) We're rounding to the nearest thousand. Look at the hundreds digit: 1. Since $1 < 5$, we round DOWN. The thousands digit stays at 1, so the answer is **11,000**. ✓
- Choice B is correct.** (4.CAR.1) Odd numbers end in 1, 3, 5, 7, or 9. Choice B has 1, 3, 5, 7, 9—all odd. Choices A, C, D each contain at least one even number.
- Choice C is correct.** (4.NPV.4) The ten-thousands place contains the digit 5. Its value: $5 \times 10,000 = 50,000$ ✓
- Choice C is correct.** (4.NPV.8) On a number line from 0 to 1, $\frac{3}{4}$ sits farthest to the right, closest to 1.
- The correct answer is B, D.** (4.GM.8) Check each option. A: 2 pounds = 32 ounces, not 48 oz. B: 2 kg = 2,000 g, correct! C: 64 ounces = 4 pounds, not 3 pounds. D: 500 g = 0.5 kg, correct! E: 5 pounds = 80 ounces, not 90 oz. The correct answers are **B** and **D**.
- Choice B is correct.** (4.DA.2) At $\frac{1}{4}$ inch there is 1 X mark. A value with 2 more X marks would have 3 marks total. $\frac{5}{4}$ inch has exactly 3 X marks.
- Choice A is correct.** (4.NPV.8) Since $\frac{1}{3} < \frac{2}{3}$, regroup: $2\frac{1}{3} = 1\frac{4}{3}$. Subtract the wholes: $1 - 1 = 0$. Subtract the fractions: $\frac{4}{3} - \frac{2}{3} = \frac{2}{3}$.
- Choice A is correct.** (4.NPV.9) Trailing zeros don't change the value. Both 0.5 and 0.50 equal 5 tenths, or 50 hundredths. They're the same.
- Choice A is correct.** (4.CAR.6) Starting at 0, we make 3 jumps forward, each of size $\frac{1}{5}$. The final red circle shows we land at $3 \times \frac{1}{5} = \frac{3}{5}$.
- Choice B is correct.** (4.NPV.8) The recipe needs more flour than Noah has. Find the difference: $\frac{5}{4} - \frac{3}{4} = \frac{2}{4}$ cups more flour needed.
- Choice A is correct.** (4.NPV.8) Diego ate $\frac{4}{8}$ —simplify: $\frac{4}{8} = \frac{1}{2}$. Maya ate $\frac{2}{4}$ —simplify: $\frac{2}{4} = \frac{1}{2}$. They both ate half!
- Choice B is correct.** (4.CAR.6) Two groups of $\frac{2}{5}$ each: $2 \times \frac{2}{5} = \frac{2 \times 2}{5} = \frac{4}{5}$.
- Choice D is correct.** (4.GM.4) A straight angle is like opening a book all the way flat — it makes a perfectly straight line measuring 180° .
- Choice A is correct.** (4.GM.3) The angle is split into two parts. Subtract to find the missing part: $175^\circ - 96^\circ = 79^\circ$.
- Choice D is correct.** (4.CAR.1) Divisibility rule for 2: the last digit must be even (0, 2, 4, 6, 8). 52 ends in 2—even! So $52 \div 2 = 26$. The others (47, 63, 71) end in odd digits, so they don't divide evenly by 2.
- Choice B is correct.** (4.CAR.6) Three marbles, each weighing $\frac{2}{6}$ ounce, give us $3 \times \frac{2}{6} = \frac{6}{6} = 1$ ounce.
- Choice D is correct.** (4.GM.2) The ray lines up perfectly with the 50° mark on the protractor. Since 50° is between 45° and 60° and less than 90° , it's an acute angle. The answer is **50** degrees.



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Lab Notes for a Young Scientist

Hi, Curious Scientist!

◇ 9 tests. So many experiments! You tested ideas. You watched what worked. You learned a lot. That's how scientists work—and how you work! ◇

★ **Scientists know:** mistakes are facts, not failures. Every problem you missed taught you something. You used those facts to do better next time. ★

Lab Results

- **Hypothesis:** CONFIRMED! Practice makes you better.
- **Method:** STRONG! You try, watch, and adjust.
- **Data:** CAREFUL! You read and copy numbers right.
- **Conclusion:** READY! You can do this test.

Scientist tip: on test day, stay curious. Ask, "What is this asking?" Then experiment with your math tools. You will find the answer!

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

Jay Daie

Your Math Scientist

PRACTICE TODAY. ACHIEVE TOMORROW!

This **Grade 4 Math Practice Tests** book is designed to help students strengthen essential math skills, build confidence, and develop the problem-solving abilities needed for classroom success and test readiness.

With 9 full-length practice tests, students gain repeated exposure to important Grade 4 concepts while learning how to approach questions with accuracy, confidence, and strong mathematical thinking.

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- ✓ Multiplication & Division
- ✓ Fractions & Equivalent Fractions
- ✓ Geometry & Shapes
- ✓ Measurement & Data
- ✓ Perimeter & Area
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