

3

Arkansas

ATLAS

GRADE 4

MATH

PRACTICE TESTS

Standards-Aligned Review with
Mixed Practice and Answer Key



5 FULL-LENGTH
PRACTICE TESTS



STANDARDS-ALIGNED
REVIEW



MIXED PRACTICE
QUESTIONS



ANSWER KEY
INCLUDED

$$a^2 + b^2 = c^2$$

$$\frac{3}{4}$$



3 Arkansas ATLAS Grade 4 Math Practice Tests

Standards-Aligned Practice for Stronger Math Skills and Test Readiness



Three 30-question trail tests packed with Grade 4 review, Arkansas ATLAS strategy tips, answer keys, and step-by-step explanations that turn every miss into the next move.

Jay Daie and Reza Nazari



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Welcome, Arkansas Math Explorer!

Three steady rounds on the Natural State math route

This book gives you three full Grade 3 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?

Three tests, 90 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 1–3	Skill-building rounds with fractions, measurement, area, data, and two-step problems.
Tests 1–3	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

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5) $\frac{5}{4}$ is the same as $1\frac{1}{4}$. Which shows this decomposition?

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

C. $\frac{3}{4} + \frac{1}{4}$

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

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

6) Three runners completed different distances. Ellie ran $\frac{5}{8}$ of a mile, Fiona ran $\frac{3}{5}$ of a mile, and Gina ran $\frac{7}{10}$ of a mile. Who ran the farthest?

 A. Ellie

 C. Gina

 B. Fiona

 D. Ellie and Fiona ran the same

7) A shop owner buys 5 bottles of cleaner, with 12 fluid ounces in each bottle. How many fluid ounces of cleaner does he buy?

 A. 17 fl oz

 C. 65 fl oz

 B. 60 fl oz

 D. 72 fl oz

8) What is $4,205 \div 5$?

 A. 841

 C. 821

 B. 831

 D. 851

9) Look at the bar model below. Which equation matches?

Noah's cards: 4



Ava's cards: ?

Noah has 4 cards. Ava has 4 times as many cards as Noah. Which equation shows the number of cards Ava has?

A. $\text{Ava} = 4 + 4$

C. $\text{Ava} = 4 - 4$

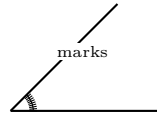
B. $\text{Ava} = 4 \div 4$

D. $\text{Ava} = 4 \times 4$



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10)



The angle opens from 0° to 45° . What is its measure?

 A. 45° C. 46° B. 50° D. 90°

11) A rectangular swimming pool is 25 feet long and 15 feet wide. How many feet of rope are needed to go around the entire edge of the pool?

12) What is 29×12 ?

 A. 406 C. 464 B. 522 D. 348

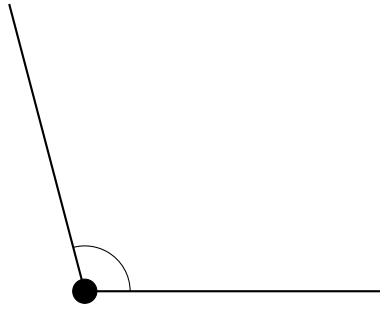
13) A chocolate bar is divided into 5 equal pieces. Ming eats 4 pieces. What fraction of the bar did Ming eat?

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

14) A single jump rope segment is $\frac{2}{4}$ yard long. How long are 5 segments?

 A. $\frac{5}{4}$ yards (or $1\frac{1}{4}$ yards) C. $\frac{10}{20}$ yard B. $\frac{10}{4}$ yards (or $2\frac{1}{2}$ yards) D. $\frac{2}{20}$ yard

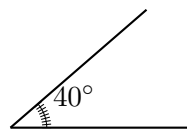
6)



Which statement about this angle is correct?

- A. It is less than a right angle
- B. It is a right angle
- C. It is more than a right angle but less than straight
- D. It is a straight angle
- 7) Isha ran 0.86 miles. Patel ran 0.68 miles. Who ran farther?
- A. Isha (0.86 miles)
- B. Patel (0.68 miles)
- C. They ran the same distance
- D. Patel ran much farther
- 8) A restaurant has 1,372 napkins. They pack them into bundles of 4 napkins each. How many complete bundles do they make?
- A. 343
- B. 342
- C. 341
- D. 340

9)



An angle turns through 40 one-degree angles. What is the measure of this angle?

- A. 40°
- B. 41°
- C. 39°
- D. 80°



1) The letter H has how many lines of symmetry?

- A. 0 C. 2
 B. 1 D. 4

2) A turn of 120° is what fraction of a complete rotation?

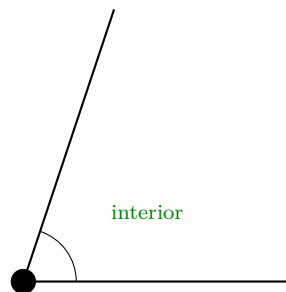
- A. $\frac{1}{4}$ C. $\frac{2}{5}$
 B. $\frac{1}{3}$ D. $\frac{1}{2}$

3) Which pair of decompositions both equal $\frac{8}{10}$?

- A. $\frac{2}{10} + \frac{6}{10}$ and $\frac{4}{10} + \frac{4}{10}$ C. $\frac{2}{10} + \frac{5}{10}$ and $\frac{4}{10} + \frac{3}{10}$
 B. $\frac{1}{10} + \frac{6}{10}$ and $\frac{3}{10} + \frac{5}{10}$ D. $\frac{5}{10} + \frac{2}{10}$ and $\frac{6}{10} + \frac{1}{10}$

4) A window shade is opened by rotating it 104° clockwise. Then it is rotated an additional 76° clockwise. What is the total clockwise rotation?

- A. 28° C. 104°
 B. 180° D. 90°



5)

The region labeled in green is called the:

- A. exterior C. vertex
 B. interior D. side



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6) What is $5\frac{3}{10} - 2\frac{7}{10}$?

A. $2\frac{4}{10}$

B. $2\frac{5}{10}$

C. $2\frac{6}{10}$

D. $3\frac{2}{10}$

7) Kai has 15 toy cars. His mom gives him 9 more. He puts them all into 4 equal boxes. How many cars are in each box?

A. 8

B. 5

C. 9

D. 6

8) Which is a multiple of $\frac{2}{8}$?

A. $\frac{4}{8}$

B. $\frac{3}{8}$

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

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

9) Which fraction is less than $\frac{1}{2}$?

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

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

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

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

10) A rectangular classroom is 12 meters long and 8 meters wide. How much distance would you walk if you walked around the entire edge of the room once?

A. 20 m

B. 40 m

C. 96 m

D. 48 m

11) Diego and his friend made a pie. Diego ate $\frac{2}{6}$ of the pie and his friend ate $\frac{1}{6}$ of the pie. What fraction of the pie did they eat together?

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

B. $\frac{2}{12}$

C. $\frac{1}{6}$

D. $\frac{3}{12}$



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.GM.5)** Right angle markers are shown at two of the corners of the figure. These markers indicate that those two angles measure 90 degrees. The answer is **B**.
- Choice A is correct.** **(4.NPV.9)** Compare the tenths place: $9 > 6$, so $0.96 > 0.69$. Register A has more money.
- The correct answer is $\frac{8}{10}$.** **(4.CAR.6)** Eight parts of $\frac{1}{10}$: $8 \times \frac{1}{10} = \frac{8}{10}$.
- Choice B is correct.** **(4.NPV.8)** Ming ate 3 slices out of 12 equal slices, so the fraction is $\frac{3}{12}$. Breaking this into unit fractions: $\frac{3}{12} = \frac{1}{12} + \frac{1}{12} + \frac{1}{12}$ —three slices, each representing $\frac{1}{12}$ of the pizza.
- Choice A is correct.** **(4.NPV.8)** $\frac{4}{4}$ is one whole, and $\frac{1}{4}$ more makes $1\frac{1}{4}$. Add: $4 + 1 = 5$, so $\frac{4}{4} + \frac{1}{4} = \frac{5}{4}$ ✓.
- Choice C is correct.** **(4.NPV.8)** Find common denominator 40: $\frac{5}{8} = \frac{25}{40}$, $\frac{3}{5} = \frac{24}{40}$, $\frac{7}{10} = \frac{28}{40}$. Since $28 > 25 > 24$, Gina ran farthest.
- Choice B is correct.** **(4.GM.11)** Each bottle holds 12 fl oz. He buys 5 bottles, so multiply: $5 \times 12 = 60$ fl oz. He buys **60** fluid ounces total.
- Choice A is correct.** **(4.CAR.4)** Long division: $4 \div 5 = 0$ r4, bring down the 2 to get $42 \div 5 = 8$ r2, bring down the 0 to get $20 \div 5 = 4$, bring down the 5 to get $5 \div 5 = 1$. The quotient is **841**.
- Choice D is correct.** **(4.DA.1)** Look at the picture: Ava's bar is split into 4 equal pieces, each the same length as Noah's bar. That's exactly what "4 times as many" means—so we multiply: $Ava = 4 \times 4 = 16$ cards.
- Choice A is correct.** **(4.GM.1)** Counting the one-degree angle marks from 0° to 45° gives us **45**°.
- The correct answer is 80 ft.** **(4.GM.7)** Rope around the pool = $2(25) + 2(15) = 50 + 30 = 80$ ft.
- Choice D is correct.** **(4.CAR.3)** Use the distributive property: $29 \times (10 + 2) = 290 + 58 = \mathbf{348}$.
- Choice A is correct.** **(4.CAR.6)** Since the bar is divided into 5 equal pieces, each piece is $\frac{1}{5}$. Ming ate 4 pieces, which equals $4 \times \frac{1}{5} = \frac{4}{5}$ of the bar.
- Choice B is correct.** **(4.CAR.6)** Five jump rope segments, each $\frac{2}{4}$ yard long, give us $5 \times \frac{2}{4} = \frac{10}{4}$ yards total.
- Choice C is correct.** **(4.CAR.6)** Sam made an error. The correct multiplication is $2 \times \frac{3}{5} = \frac{2 \times 3}{5} = \frac{6}{5} = 1\frac{1}{5}$. The answer is $1\frac{1}{5}$.
- The correct answer is A, D.** **(4.GM.3)** B is wrong ($125^\circ - 50^\circ = 75^\circ$). C is wrong ($360^\circ \div 4 = 90^\circ$). E is wrong ($90^\circ - 30^\circ = 60^\circ$).
- Choice C is correct.** **(4.GM.6)** An equilateral triangle has three equal sides and three equal angles, so it's balanced three ways. Each line goes from a corner to the middle of the opposite side. The answer is **3** lines of symmetry.
- Choice D is correct.** **(4.NPV.4)** The thousands digit is 7. Value: $7 \times 1,000 = 7,000$ ✓
- Choice B is correct.** **(4.NPV.9)** Sixty hundredths is written as $0.60 = 0.6$.
- Choice D is correct.** **(4.CAR.1)** Divide by 2 each time: $96 \rightarrow 48 \rightarrow 24 \rightarrow \mathbf{12}$. The 4th term is **12**.
- Choice B is correct.** **(4.DA.2)** At $\frac{2}{4}$ inch there are 3 X marks. At $\frac{3}{4}$ inch there is 1 X mark. The difference is $3 - 1 = 2$.
- Choice D is correct.** **(4.NPV.3)** We're rounding to the nearest ten. Look at the ones digit: 2. Since $2 < 5$, we round DOWN. The tens digit stays at 9, giving us **27,390**. ✓
- Choice A is correct.** **(4.GM.1)** Since 45 degrees is less than 90 degrees, this is an acute angle.
- The correct answer is 2,700.** **(4.NPV.1)** Original: 4,723. After swapping 4 and 7: 7,423. Increase: $7,423 - 4,723 = \mathbf{2,700}$. ✓
- Choice C is correct.** **(4.CAR.8)** Follow the flow chart! Step 1: $72 \div 8 = 9$ apples in each basket. Step 2: add 4 more to each basket: $9 + 4 = 13$ apples per basket now.
- Choice A is correct.** **(4.NPV.9)** The place-value chart shows where each digit belongs. $\frac{6}{10}$ means six tenths, so we place 6 in the tenths column: 0.6.
- Choice D is correct.** **(4.NPV.8)** Circle 1 shows $\frac{1}{4}$. Circle 2 has 8 parts. Multiply numerator and denominator by 2: $\frac{1}{4} = \frac{1 \times 2}{4 \times 2} = \frac{2}{8}$. Shade 2 parts.
- Choice A is correct.** **(4.NPV.8)** A bike ride covered distance over two days. Add the distances: $3\frac{3}{6} + 2\frac{2}{6} = 5\frac{5}{6}$ miles total.



Notes From Your Math Builder

Hi, Math Builder!

◇ Through 3 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

PRACTICE TODAY. SUCCEED TOMORROW!

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

With 3 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!

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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.



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
- ✓ Measurement & Data
- ✓ Geometry & Shapes
- ✓ Perimeter & Area
- ✓ Word Problems
- ✓ Patterns & Algebraic Thinking
- ✓ And More!



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