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10 Arkansas ATLAS



GRADE 3

MATH

PRACTICE TESTS

- ✓ Complete Standards Review
- ✓ Skill Practice
- ✓ Word Problems and Answer Key

$2 \times 7 + 4$



★ ★ ★
PREPARE
PRACTICE
SUCCEED!
★ ★ ★



Aligned to
Grade 3 Math
Standards



Build Confidence
and Master
Math Skills



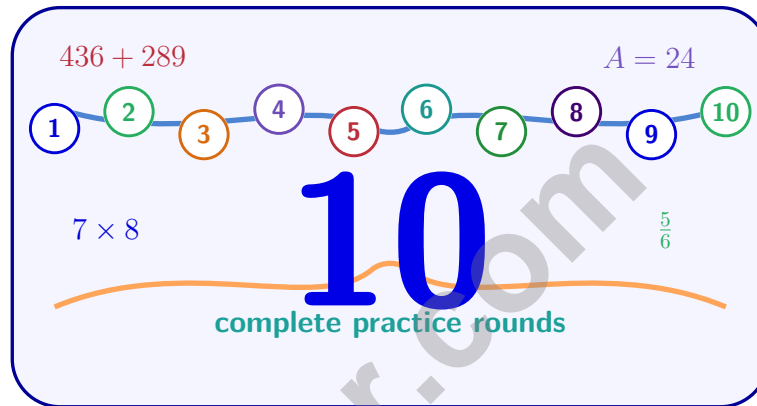
Test-Taking
Practice for
Success



Answer Key
for Easy
Review

10 Arkansas ATLAS Grade 3 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Ten complete 30-question Grade 3 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!

Ten steady rounds on the Natural State math route

This book gives you ten 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?

Ten tests, 300 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.
Test 10	Final round to show growth across the whole Arkansas book.
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.



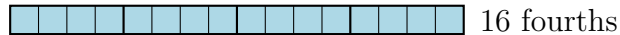
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- 6) Write a fraction equivalent to $\frac{1}{2}$ with a denominator of 4 using multiplication.

- 7) The bar is divided into fourths. It shows $\frac{16}{4}$. How many whole units?

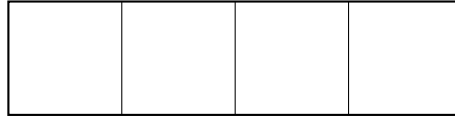


- A. 1 C. 4
 B. 16 D. 8
- 8) Sam has a rectangular garden that is 12 units long and 2 units wide. What is the area of the garden?
- A. 14 sq units C. 36 sq units
 B. 24 sq units D. 48 sq units
- 9) There are 45 pencils. They are shared equally among 9 students. How many pencils does each student get?
- A. 4 C. 6
 B. 7 D. 5
- 10) A rectangular kitchen table is 8 feet long and 6 feet wide. What is the area that the table covers?

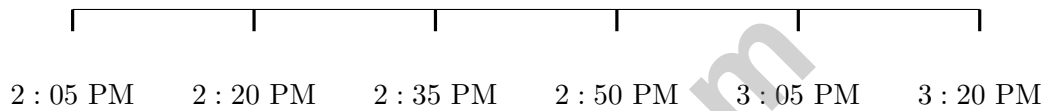


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- 11) Lily has a sandwich shaped like a rectangle. She cuts it into 4 equal pieces to share with friends. What fraction is each piece?



- A. $\frac{1}{3}$ C. $\frac{2}{4}$
 B. $\frac{1}{4}$ D. $\frac{4}{4}$
- 12) Look at the number line showing elapsed time.



What is the elapsed time from 2 : 35 PM to 3 : 05 PM?

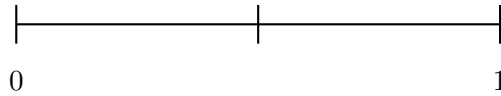
- A. 25 minutes C. 35 minutes
 B. 30 minutes D. 45 minutes
- 13) Eli drinks juice from a bottle. The bottle contained 1 liter. After he drinks some, 300 mL remains. How much juice did he drink?
- A. 300 mL C. 700 mL
 B. 500 mL D. 1000 mL



1) Lily knows that $3 \times 6 = 18$. How does this help her find 3×7 ?

- A. Add 3 to get $18 + 3 = 21$ C. Add 7 to get $18 + 7 = 25$
 B. The answer is 18 D. Multiply 18 by 7

2) On a number line from 0 to 1 divided into 2 equal parts, which tick mark shows $\frac{1}{2}$?

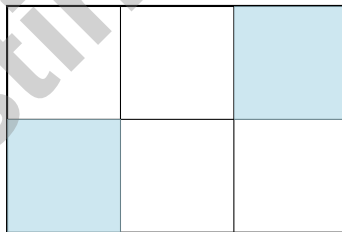


- A. The tick at 0 C. The tick at 1
 B. The middle tick D. The whole line from 0 to 1

3) Which multiplication has an odd product?

- A. 6×3 C. 5×7
 B. 4×7 D. 8×2

4) A rectangle is divided into 6 equal parts with 2 shaded. What fraction is NOT shaded?



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



5) Find $36 \div 4$. (Hint: What times 4 equals 36?)

6) A rectangle is covered by unit squares in a 6×2 arrangement. What is the area?

- A. 8 square units C. 12 square units
 B. 10 square units D. 16 square units

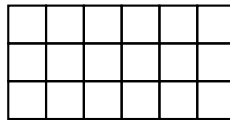
7) A rectangle has a length of 10 cm and a width of 2 cm. Which answer shows its area?

- A. 12 sq cm C. 20 sq cm
 B. 24 sq cm D. 30 sq cm

8) A bag of flour weighs 3 kilograms. If a baker buys 7 bags of flour, how much flour does he have in total?

- A. 10 kg C. 4 kg
 B. 20 kg D. 21 kg

9) Ben's garden is a rectangle. Looking at this grid, each square is one unit square tile:



How many unit square tiles does Ben need to cover his garden?

- A. 9 tiles C. 12 tiles
 B. 18 tiles D. 17 tiles



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Practice Test Answer Keys

How to use this section with a Grade 3 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.** **(3.CAR.6)** Multiply: 4 boxes \times 8 pens per box = 32 pens.
- Choice B is correct.** **(3.DA.2)** Blue: $5 \times 2 = 10$ ribbons. Red: $3 \times 2 = 6$ ribbons. More: $10 - 6 = 4$.
- Choice A is correct.** **(3.GM.5)** $5 \times 7 = 35$ sq cm. The other choices do not equal 35.
- Choice D is correct.** **(3.NPV.7)** $14 \div 2$ means measuring: How many groups of 2 fit in 14? The answer is 7 groups. This is measurement division (also called quotitive division).
- Choice C is correct.** **(3.DA.1)** At 6 inches there are 3 X's and at $6\frac{1}{2}$ inches there is 1 X. Total: $3 + 1 = 4$.
- The correct answer is $\frac{2}{4}$.** **(3.NPV.11)** Multiply the numerator and denominator by 2: $\frac{1 \times 2}{2 \times 2} = \frac{2}{4}$.
- Choice C is correct.** **(3.NPV.11)** 16 fourths \div 4 fourths per whole = $16 \div 4 = 4$ wholes.
- Choice B is correct.** **(3.GM.5)** $12 \times 2 = 24$ square units.
- Choice D is correct.** **(3.CAR.8)** Divide: $45 \div 9 = 5$ pencils per student.
- The correct answer is 48 square feet.** **(3.GM.7)** Area = length \times width, so $8 \times 6 = 48$ square feet.
- Choice B is correct.** **(3.NPV.7)** Four equal pieces means each piece is $\frac{1}{4}$ of the sandwich.
- Choice B is correct.** **(3.GM.11)** From 2 : 35 to 3 : 05 spans 2 intervals on the number line: $15 + 15 = 30$ minutes.
- Choice C is correct.** **(3.GM.9)** 1 L = 1000 mL. Subtract: $1000 - 300 = 700$ mL drunk.
- Choice A is correct.** **(3.CAR.5)** The grid has 8 columns and 5 rows. Area = $8 \times 5 = 40$ square units. You can also add: $8 + 8 + 8 + 8 + 8 = 40$ (five rows of eight).
- Choice B is correct.** **(3.NPV.5)** Three thirds equals one whole. One half is less than one whole. So $\frac{3}{3} > \frac{1}{2}$.
- Choices B and C are correct.** **(3.NPV.1)** Numbers from 75 to 84 round to 80 when rounded to the nearest 10. Choice A (74) has ones digit $4 < 5$, so it rounds to 70. Choice B (76) has ones digit $6 \geq 5$, so it rounds to 80. Choice C (84) has ones digit $4 < 5$, so it rounds to 80. Choice D (85) has ones digit $5 \geq 5$, so it rounds to 90. Choice E (91) has ones digit $1 < 5$, so it rounds to 90.
- Choice B is correct.** **(3.CAR.7)** Step 1: Divide: $48 \div 6 = 8$ students per class. Step 2: Add new students: $8 + 4 = 12$ students in that class. (Choice A is step 1 only.)
- Choice D is correct.** **(3.CAR.5)** Even numbers increase by 2: 2, 4, 6, 8, etc.
- Choice C is correct.** **(3.NPV.5)** The first and second bars are equivalent. But the third bar shows $\frac{1}{3}$, which is larger than $\frac{1}{2}$, so all three do NOT show the same amount. Answer C is false.
- Choice D is correct.** **(3.GM.5)** Area is the amount of space inside a flat shape. It is measured in square units such as square inches, square feet, or square centimeters. Perimeter and length use regular units (inches, feet), not square units.
- Choice B is correct.** **(3.GM.6)** The rectangle is 3 units wide and 1 unit tall: $3 \times 1 = 3$ unit squares.
- Choice D is correct.** **(3.CAR.4)** $56 \div 7 = 8$ cookies in each box. Verify: $8 \times 7 = 56$. Distractors: C is $56 - 7$; D is 7×9 .
- Choice C is correct.** **(3.CAR.4)** 2 rows of 50 squares = $2 \times 50 = 100$ squares. Multiply $2 \times 5 = 10$, then multiply by 10 to get 100.
- The correct answer is 32 square units.** **(3.GM.6)** Count by rows and columns: $4 \times 8 = 32$ square units.
- Choice B is correct.** **(3.GM.6)** Nine cages with five rabbits in each means 9 groups of 5. Option A is a common misconception (adding). Option C only represents two groups. Option D uses subtraction instead of multiplication.
- Choice D is correct.** **(3.CAR.3)** Breaking apart a factor into a sum shows the distributive property: $8 \times 6 = 8 \times (3 + 3) = 8 \times 3 + 8 \times 3 = 24 + 24 = 48$.
- Choice C is correct.** **(3.GM.7)** First: $5 \times 3 = 15$ sq units. Two others: $2 \times 3 = 6$ each. Total: $15 + 6 + 6 = 27$ sq units.
- Choice C is correct.** **(3.NPV.11)** $\frac{2}{3} = \frac{4}{6}$ because both equal two-thirds of the container.
- Choice B is correct.** **(3.NPV.7)** Larger denominators give smaller fractions. $\frac{1}{8} < \frac{1}{4} < \frac{1}{2}$.
- Choice C is correct.** **(3.NPV.10)** The denominator equals the total number of equal parts. A rectangle with 4 equal parts has a denominator of 4, so one part is $\frac{1}{4}$.



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Hi, Math Inventor!

◇ 10 practice tests. 10 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!

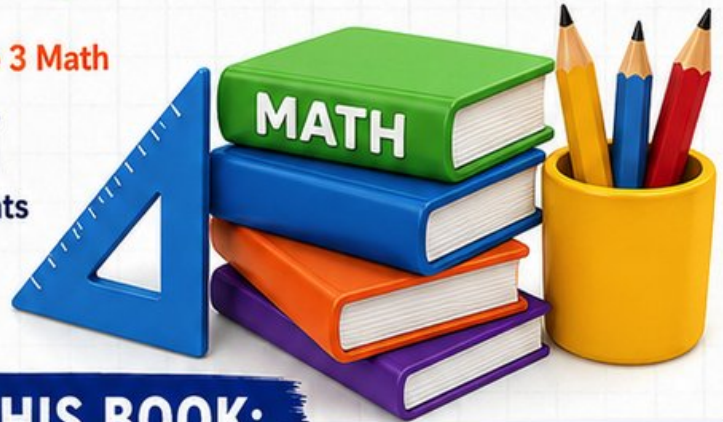
If you want to share something or ask a question, please email me at jay@testinar.com.

Jay Daie

Your Math Inventor

PRACTICE TODAY. SUCCEED TOMORROW!

Give your child the advantage they need in **Grade 3 Math** with 10 full-length practice tests that build skills, boost confidence, and improve results. Designed to mirror real test formats, this book helps students master essential math concepts and feel ready for any challenge.



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