

9

$$256 \div 8 = 32$$



$$48 \times 7 = 336$$

Alabama ACAP

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**



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



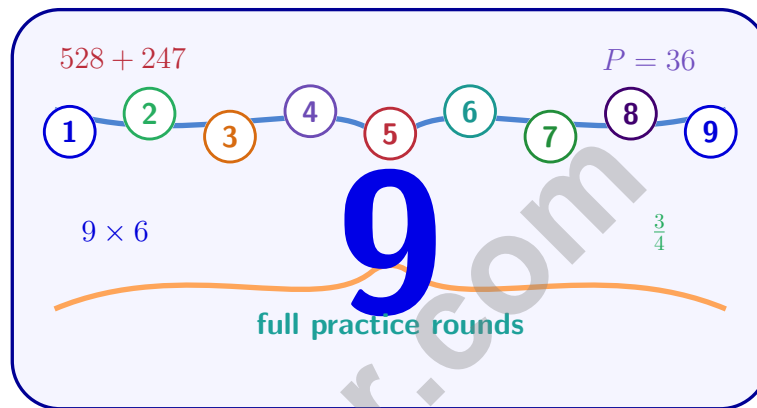
$$725 - 358 = 367$$

PREPARE
PRACTICE
SUCCEED
PERFORM

**PRACTICE TODAY.
SUCCEED TOMORROW.**

9 Alabama ACAP Grade 4 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Nine complete 30-question Grade 4 practice rounds with operations, fractions, measurement, data, area, shapes, answer keys, and clear explanations for every item.

Jay Daie and Reza Nazari



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Alabama, Start Your Nine-Round Math Rally

A steady Grade 4 path from first try to confident finish

This book gives you nine chances to practice like a thoughtful Alabama test taker. Each round mixes numbers, shapes, fractions, data, measurement, and word problems so your brain learns to switch skills calmly. Treat every question like a clue: read it, mark what matters, solve it, and check that your answer fits.

Your Alabama Math Promise

I will slow down enough to understand the question. I will show the work that helps me think. I will use mistakes as practice fuel, then try again with a sharper plan.

Nine rounds is not about rushing. It is about building a math habit that stays strong.

How to Use This Book

A nine-session routine for clear, confident review

1. **Warm up first.** Read the quick review pages and remind yourself of the big ideas.
2. **Take one test at a time.** Work without rushing. Circle words, sketch models, and label units.
3. **Check the answer key.** Mark correct answers, then star questions that need another look.
4. **Read explanations after trying again.** The explanation works best after your brain has wrestled with the problem.
5. **Use the growth log.** Track the score, one strong habit, and one skill to practice next.

Good rhythm: Test one day, review the next day, then take the next test when your corrections feel clear.



What Is Inside the Nine Tests?

Mixed Grade 4 practice with standards support

Part	What You Practice
Nine full tests	30 mixed Grade 4 questions in each round
Question styles	Multiple choice, select-all, and open-ended work spaces
Math topics	Operations, patterns, rounding, fractions, measurement, data, area, perimeter, and shapes
Answer support	Compact answer keys plus explanations for every item
Standards help	A standards reference and standard-code boxes in explanations

Why mixed practice helps: Real tests do not announce the next skill. These nine rounds help students recognize the math move they need, even when the topic changes from question to question.



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& answers

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- 1) Mia jogged $\frac{3}{8}$ of a mile. Then she jogged $\frac{4}{8}$ more. How far did she jog in total?
- A. $\frac{7}{8}$ mile C. $1\frac{1}{8}$ miles
 B. $\frac{7}{16}$ mile D. $\frac{1}{8}$ mile
- 2) What fraction is equivalent to $\frac{1}{2}$?
- A. $\frac{2}{5}$ C. $\frac{3}{6}$
 B. $\frac{3}{5}$ D. $\frac{2}{3}$
- 3) Jayden read $2\frac{1}{8}$ chapters in the morning, $3\frac{4}{8}$ chapters in the afternoon, and $1\frac{2}{8}$ chapters in the evening. How many chapters did he read in total?
- A. $6\frac{7}{8}$ chapters C. $6\frac{5}{8}$ chapters
 B. $6\frac{6}{8}$ chapters D. $7\frac{1}{8}$ chapters
- 4) A field is 80 meters long. A farmer walks the length of the field 6 times. What is the total distance walked?
-
- 5) A single muffin uses $\frac{1}{5}$ cup of sugar. How much sugar is needed for 8 muffins?
- A. $\frac{1}{40}$ cup C. $\frac{5}{8}$ cup
 B. $\frac{8}{5}$ cups D. $\frac{8}{40}$ cup



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- 6) A regular polygon has 4 lines of symmetry. How many sides does it have?



- 7) An angle is divided into 27 one-degree angles. What is the measure of the angle?

- A. 27° C. 54°
 B. 13.5° D. 270°

- 8) There are 2 balloons. There are 7 times as many stickers. How many stickers are there?

- A. 7 C. 9
 B. 2 D. 14

- 9) Mason organized his trading cards by place value. He has 8 cards in the thousands group and 8 cards in the tens group. Which statement is true?

- A. The thousands cards have a value 1,000 times the tens cards. C. The values are equal.
 B. The tens cards have a value 10 times the thousands cards. D. The thousands cards have a value 100 times the tens cards.

- 10) Which number sentence is incorrect?

- A. $1 \times \frac{1}{8} = \frac{1}{8}$ C. $5 \times \frac{1}{5} = \frac{5}{10}$
 B. $4 \times \frac{1}{6} = \frac{4}{6}$ D. $2 \times \frac{1}{3} = \frac{2}{3}$



- 11) What is 14,285 rounded to the nearest ten?
- A. 14,280 C. 14,300
 B. 14,200 D. 14,290
- 12) Isabella has 11 colored pencils. Her art teacher has 4 times as many colored pencils. How many colored pencils does her teacher have?
- A. 15 C. 40
 B. 30 D. 44
- 13) A pattern of numbers follows the rule “add the previous two numbers.” Starting with 3 and 4, what is the 5th term?
- A. 12 C. 16
 B. 14 D. 18
- 14) Which two statements are true? Select the two correct answers.
- A. $0.9 > 0.89$
 B. $0.09 < 0.9$
 C. $0.9 = 0.09$
 D. $0.89 > 0.9$
 E. $0.9 < 0.8$
- 15) Which statement correctly describes how to classify a triangle?
- A. By looking only at the number of sides C. By counting the number of vertices
 B. By looking at angle measures or side lengths D. By measuring the perimeter



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1) Use these two place-value charts to compare:

	100,000s	10,000s	1,000s	100s	10s	1s
Chart 1	1	2	8	3	7	2
Chart 2	1	2	8	4	2	3

Which is true?

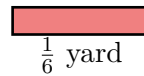
- A. $128,372 > 128,423$
 C. $128,372 = 128,423$
 B. Cannot determine
 D. $128,372 < 128,423$

Th	H	T	O
2	3	4	1

2)

This place-value chart shows the first number. If you add 1,234 to it, what is the sum?

- A. 3,575
 C. 3,565
 B. 3,465
 D. 3,475



3)

The ribbon above is $\frac{1}{6}$ yard long. If Zara lines up 4 of these ribbons end-to-end, how long is the line?

- A. $\frac{4}{6}$ yard (or $\frac{2}{3}$ yard)
 C. $\frac{1}{24}$ yard
 B. $\frac{4}{24}$ yard
 D. $\frac{6}{4}$ yards



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4) Look at this angle diagram. If point M is the vertex, what are the two rays called?

- A. Lines C. Sides (or rays)
 B. Segments D. Vertices

5) In the number 6,217, which digit is in the tens place?

- A. 6 C. 1
 B. 2 D. 7

6) Complete the number sentence: $\frac{3}{5} = \frac{?}{15}$

7) Noah baked cookies and ate $\frac{2}{6}$ of them. His sister ate $\frac{3}{6}$. How many cookies were eaten?

- A. $\frac{5}{12}$ of the cookies C. $\frac{1}{6}$ of the cookies
 B. $\frac{5}{6}$ of the cookies D. All cookies

8) A rectangle has an area of 36 square inches. If the length is 9 inches, what is the width?

- A. 3 in C. 5 in
 B. 4 in D. 6 in



1) A quarter turn around a circle measures how many degrees?

A. 45°

C. 180°

B. 90°

D. 270°

2) Diego collected ant speeds (in eighths of an inch per second). His data: $\frac{1}{8}, \frac{2}{8}, \frac{2}{8}, \frac{1}{8}, \frac{3}{8}, \frac{2}{8}, \frac{1}{8}$. On the line plot, how many X marks are at $\frac{1}{8}$?

A. 2

C. 4

B. 3

D. 5

3) Which statement describes a trapezoid?

A. It has two pairs of parallel sides.

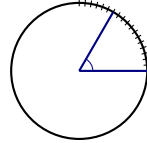
C. It has exactly one pair of parallel sides.

B. It has no parallel sides.

D. It has four equal sides.

4) A library had 15,000 books. After a donation, they received 4,567 more books. How many books does the library have now?





5)

This diagram is marked from 0° to 60° . How many one-degree angles does the angle contain?

- A. 60 one-degree angles
- B. 61 one-degree angles
- C. 59 one-degree angles
- D. 30 one-degree angles
- 6) Carlos uses 7 out of 10 equal pieces of string. What fraction of the string did he use?

7) An angle measures 75° . This angle must be:

- A. Obtuse
- B. A straight angle
- C. Acute
- D. A right angle
- 8) Sam had $2\frac{2}{4}$ meters of string. He used $1\frac{1}{4}$ meters for a project. How much string does he have left?
- A. $1\frac{3}{4}$
- B. $1\frac{1}{4}$
- C. $2\frac{1}{4}$
- D. $3\frac{3}{4}$



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& answers

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 A is correct.** (4.15) Mia jogged two sections: $\frac{3}{8}$ and then $\frac{4}{8}$ more. Combining same-size eighths: $3 + 4 = 7$, so $\frac{7}{8}$ mile.
- Choice C is correct.** (4.13) Multiply both top and bottom by 3: $\frac{1}{2} = \frac{1 \times 3}{2 \times 3} = \frac{3}{6}$. This gives you more pieces, but they still cover the same amount!
- Choice A is correct.** (4.15) Add the wholes: $2 + 3 + 1 = 6$. Add the fractions: $\frac{1}{8} + \frac{4}{8} + \frac{2}{8} = \frac{7}{8}$. The total is $6\frac{7}{8}$ chapters.
- The correct answer is 480 m.** (4.22) The field is 80 meters long. The farmer walks it 6 times. Multiply: $80 \times 6 = 480$ meters. The total distance is **480** meters.
- Choice B is correct.** (4.16) Eight muffins, each using $\frac{1}{5}$ cup of sugar, need $8 \times \frac{1}{5} = \frac{8}{5}$ cups of sugar.
- The correct answer is 4.** (4.29) For any regular polygon, the number of lines of symmetry always equals the number of sides. So if it has 4 symmetry lines, it must have **4** sides (a square).
- Choice A is correct.** (4.24) An angle made of 27 one-degree angles has a measure of **27°**.
- Choice D is correct.** (4.1) “7 times as many” is a multiplication clue: $2 \times 7 = 14$ stickers.
- Choice D is correct.** (4.6) Mason’s thousands cards are worth $8 \times 1,000 = 8,000$; tens cards are worth $8 \times 10 = 80$. The ratio is $8,000 \div 80 = \mathbf{100}$ times. ✓
- Choice C is correct.** (4.16) Let’s check: A: $1 \times \frac{1}{8} = \frac{1}{8}$ ✓. B: $4 \times \frac{1}{6} = \frac{4}{6}$ ✓. C: $5 \times \frac{1}{5} = \frac{5}{5} = 1$, not $\frac{5}{10}$ —incorrect! D: $2 \times \frac{1}{3} = \frac{2}{3}$ ✓.
- Choice D is correct.** (4.9) We’re rounding to the nearest ten. Look at the ones digit: 5. Since $5 \geq 5$, we round UP! The tens digit changes from 8 to 9, giving us **14,290**. ✓
- Choice D is correct.** (4.2) “4 times as many” tells us to multiply: $4 \times 11 = 44$ colored pencils.
- Choice D is correct.** (4.4) Add the two previous terms: Start with 3, 4. Then $3 + 4 = 7$, $4 + 7 = 11$, $7 + 11 = \mathbf{18}$. The 5th term is **18**.
- The correct answer is A, B.** (4.17) A is true: Rewrite $0.9 = 0.90$. Compare: $90 > 89$ hundredths, so $0.9 > 0.89$. B is true: 0.09 has 0 tenths while 0.9 has 9 tenths, so $0.09 < 0.9$. C is false: they differ by 0.81. D is false: $0.89 < 0.9$. E is false: $0.9 > 0.8$.
- Choice B is correct.** (4.28) 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 B is correct.** (4.21) Since 1 gallon = 4 quarts, divide: $36 \div 4 = 9$ gallons. The answer is **9** gallons.
- Choice A is correct.** (4.16) For $5 \times \frac{1}{2}$, we need 5 bars, each divided in half with one half shaded in each. Picture A shows five bars with one-half shaded in each bar. The answer is Picture A.
- Choice B is correct.** (4.27) Perpendicular lines are special because they always cross at exactly 90° — a perfect right angle. That little square symbol shows you where they meet.
- Choice B is correct.** (4.15) Let us count: $\frac{2}{8}$ cup appears 2 times, $\frac{3}{8}$ cup appears 3 times, and $\frac{4}{8}$ cup appears 1 time. So $\frac{3}{8}$ cup is the most common.
- Choice D is correct.** (4.15) Option D has five pieces: $\frac{2}{12} + \frac{2}{12} + \frac{2}{12} + \frac{2}{12} + \frac{2}{12}$. Count: $2 + 2 + 2 + 2 + 2 = 10$, so we get $\frac{10}{12}$ ✓.
- Choice A is correct.** (4.23) The rectangle is 5 units long and 3 units wide. Perimeter = $2(5) + 2(3) = 10 + 6 = 16$ units.
- Choice D is correct.** (4.13) Which is NOT $\frac{1}{2}$? The first three all reduce to $\frac{1}{2}$: $\frac{3}{6} = \frac{4}{8} = \frac{5}{10} = \frac{1}{2}$. But $\frac{2}{5}$ is less than half.
- Choice A is correct.** (4.15) Lily took 4 slices out of 9 equal slices, which is $\frac{4}{9}$. Breaking it into unit fractions: $\frac{4}{9} = \frac{1}{9} + \frac{1}{9} + \frac{1}{9} + \frac{1}{9}$ —four unit fractions of ninths.
- Choice C is correct.** (4.12) Divide: $14 \div 8 = 1$ r6, bring down the 5 to get $65 \div 8 = 8$ r1, bring down the 6 to get $16 \div 8 = 2$. Each animal receives **182** pounds of feed.



Hi, Math Inventor!

◇ 9 practice tests. 9 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. 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.

Whether used at home, in the classroom, or for independent review, this book provides meaningful practice that helps students grow stronger with every test.

PERFECT FOR:

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

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SUCCESS FOR LIFE.

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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.



Academic Success

Strengthen skills needed for future learning.

TOPICS COVERED

- ✓ Place Value & Number Sense
- ✓ Multi-Digit Addition & Subtraction
- ✓ Multiplication & Division
- ✓ Fractions & Equivalent Fractions
- ✓ Geometry & Shapes
- ✓ Measurement & Data
- ✓ Perimeter & Area
- ✓ Word Problems
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- ✓ Graphs & Data Interpretation
- ✓ Mathematical Reasoning
- ✓ And More!



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