

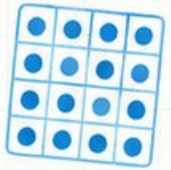
10

$$7 \times 8 = 56$$

$$\begin{array}{r} 32 \\ \times 6 \\ \hline 192 \end{array}$$



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



Alabama

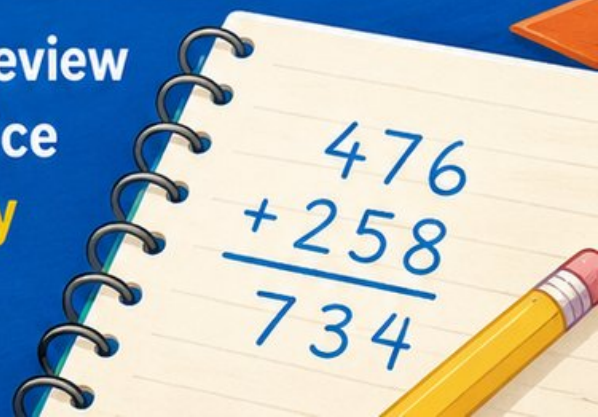
ACAP

GRADE 4

MATH

PRACTICE TESTS

Standards-Aligned Review
with Mixed Practice
and **Answer Key**



10 Alabama ACAP Grade 4 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



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

Jay Daie and Reza Nazari



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Welcome, Alabama Math Explorer!

Ten steady rounds for brave, careful thinking

This book gives you ten full Grade 4 practice tests. Each one is a chance to read closely, choose a smart strategy, show your work, and check whether your answer makes sense.

Your Alabama 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 clear, confident review

1. **Preview the skills.** Read the quick review pages before the first test.
2. **Take one test at a time.** Work in a quiet place and answer all 30 questions.
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 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 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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& answers

Table of Contents

★ Practice Test 1	_____	13
★ Practice Test 2	_____	26
★ Practice Test 3	_____	37
★ Practice Test 4	_____	48
★ Practice Test 5	_____	60
★ Practice Test 6	_____	71
★ Practice Test 7	_____	84
★ Practice Test 8	_____	95
★ Practice Test 9	_____	106
★ Practice Test 10	_____	118
Practice Test Answer Keys	_____	128
Practice Test Answers and Explanations	_____	134

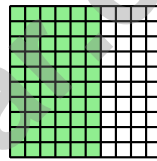
1) Look at the number line below with two decimals marked.



Which statement is true?

- A. $X = 0.28$ and $Y = 0.72$; $X < Y$ C. $X = 0.82$ and $Y = 0.27$; $X < Y$
 B. $X = 0.28$ and $Y = 0.72$; $X > Y$ D. X and Y cannot be compared

2) What decimal does this shaded region represent?



- A. 0.60 C. 0.06
 B. 0.90 D. 0.09

3) What is $\frac{2}{5} + \frac{3}{5}$?

- A. $\frac{5}{10}$ C. $\frac{5}{5}$ or 1
 B. $\frac{1}{5}$ D. $\frac{6}{5}$



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4) Ming has 5 bags of marbles. Each bag has $\frac{3}{10}$ pound of marbles. What is the total weight?

A. $\frac{5}{30}$ pounds

B. $\frac{15}{10}$ or $1\frac{1}{2}$ pounds

C. $\frac{3}{50}$ pounds

D. $\frac{8}{10}$ pounds

5) Which is the same as $4 \times \frac{1}{8}$?

A. $\frac{4}{8}$ or $\frac{1}{2}$

B. $\frac{1}{32}$

C. $\frac{4}{12}$

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

6) Ethan has 5 toy soldiers. Owen has 7 times as many. How many more soldiers does Owen have?

A. 12

B. 35

C. 25

D. 30

7) Write $\frac{6}{4}$ as a mixed number.

8) A 3 in the hundreds place is worth 300. A 3 in the tens place is worth 30. What is the difference?



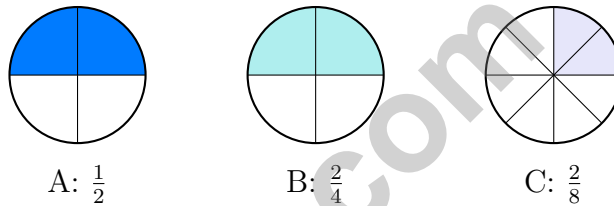
9) What is $2,156 \div 2$?

- A. 1,078 C. 1,088
 B. 1,068 D. 1,058

10) What is 72,501 rounded to the nearest thousand?

- A. 72,000 C. 72,500
 B. 70,000 D. 73,000

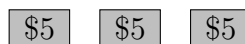
11) Sam shaded $\frac{1}{2}$ of a circle. Which other circle shows an equivalent fraction?



- A. Circle A C. Circle C
 B. Circles B and C D. Circle B

12) Look at the pattern: 4, 8, 12, 16, 20, ... What is the 12th term?

13) Jacob receives three \$5 bills. How much money is shown?



Three \$5 bills

- A. \$10 C. \$20
 B. \$15 D. \$25



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1) Isabella baked $4\frac{1}{2}$ trays of cookies. She sold $1\frac{1}{2}$ trays. How many trays of cookies does she have left?

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

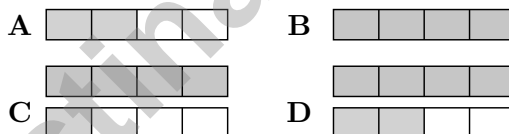
2) An isosceles triangle (not equilateral) has how many lines of symmetry?

- A. 0
 C. 2
 B. 1
 D. 3

3) Which expression decomposes $\frac{4}{4} = 1$ as a sum of **unit fractions** only?

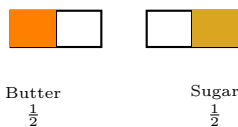
- A. $\frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4}$
 C. $\frac{1}{4} + \frac{3}{4}$
 B. $\frac{2}{4} + \frac{2}{4}$
 D. $\frac{4}{4}$

4) Which model shows 6 unit fractions of $\frac{1}{4}$ that equal $\frac{6}{4}$?



- A. Picture A
 C. Picture C
 B. Picture B
 D. Picture D

5) A recipe calls for $\frac{1}{2}$ cup of butter and $\frac{1}{2}$ cup of sugar. How much butter and sugar combined?



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

- 6) Ming read 1,234 pages in one month and 2,567 pages the next month. How many pages did she read in both months combined?

- 7) Which is a prime number between 20 and 30?

- A. 21 C. 24
 B. 22 D. 29

- 8) A store has 36 balloons. Another store has 3 times as many balloons. How many balloons does the other store have?

- A. 39 C. 126
 B. 72 D. 108

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

- 10) Multiply the numerator and denominator of $\frac{3}{5}$ by 2. What fraction do you get?

- A. $\frac{6}{10}$ C. $\frac{3}{7}$
 B. $\frac{5}{7}$ D. $\frac{6}{7}$



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- 1) A restaurant has 8 small tables. It has 3 times as many medium tables as small tables. How many medium tables does it have?

- 2) In the number 5,059, how many times greater is the value of the digit 5 in the thousands place than the digit 5 in the ones place?

- A. 10 times C. 1,000 times
 B. 100 times D. 5 times

- 3) How many sides does an angle have?

- 4) Which shape has perpendicular sides and all angles of 90 degrees?

- A. Acute triangle C. Rectangle
 B. Obtuse triangle D. Trapezoid

- 5) At lunch, each child gets $\frac{1}{2}$ sandwich. If there are 8 children, how many sandwiches are needed?

- A. $\frac{1}{16}$ sandwich C. $\frac{7}{2}$ sandwiches (or $3\frac{1}{2}$ sandwiches)
 B. 4 sandwiches D. 8 sandwiches



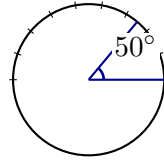
6) What decimal represents $\frac{8}{10}$?

A. 0.08

C. 8.0

B. 0.88

D. 0.8



7)

Diego's angle measures 50 degrees. How many one-degree angles are in his angle?

A. 25 one-degree angles

C. 100 one-degree angles

B. 50 one-degree angles

D. 5 one-degree angles

8) Which fraction is in simplest form?

A. $\frac{2}{6}$

C. $\frac{4}{10}$

B. $\frac{6}{12}$

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

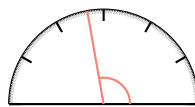
9) What is $6,001 - 2,345$?

A. 3,656

C. 4,656

B. 3,756

D. 3,556



10)

Ming measures an angle and the measurement is just past 90 degrees. Which classification is correct?

A. Obtuse angle

C. Acute angle

B. Right angle

D. Straight angle



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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.** (4.17) Point X is near 0.3, at 0.28. Point Y is near 0.7, at 0.72. Since $0.28 < 0.72$, we have $X < Y$.
- Choice B is correct.** (4.17) The hundredths grid is almost completely shaded: 90 squares out of 100. That equals $\frac{90}{100} = 0.90 = 0.9$.
- Choice C is correct.** (4.15) Add the numerators: $2 + 3 = 5$. The result is $\frac{5}{5}$, which is exactly **1** whole.
- Choice B is correct.** (4.16) Ming has 5 bags, each with $\frac{3}{10}$ pound. Multiply: $5 \times \frac{3}{10} = \frac{5 \times 3}{10} = \frac{15}{10} = 1\frac{1}{2}$ pounds. The answer is $1\frac{1}{2}$ pounds.
- Choice A is correct.** (4.16) Four eighths: $4 \times \frac{1}{8} = \frac{4}{8}$, which is the same as $\frac{1}{2}$.
- Choice D is correct.** (4.1) Step 1: find Owen's soldiers: $5 \times 7 = 35$. Step 2: "how many *more*" is a subtraction: $35 - 5 = 30$. Owen has **30** more soldiers than Ethan.
- The correct answer is $1\frac{2}{4}$.** (4.15) One whole is $\frac{4}{4}$, leaving $6 - 4 = 2$ more fourths. So $\frac{6}{4} = 1\frac{2}{4}$ ✓.
- The correct answer is 270.** (4.6) Step 1: Hundreds-place 3 has value 300. Step 2: Tens-place 3 has value 30. Step 3: Subtract: $300 - 30 = \mathbf{270}$. ✓
- Choice A is correct.** (4.12) Long division: $2 \div 2 = 1$, bring down the 1 to get $1 \div 2 = 0$ r1, bring down the 5 to get $15 \div 2 = 7$ r1, bring down the 6 to get $16 \div 2 = 8$. The quotient is **1,078**.
- Choice D is correct.** (4.9) We're rounding to the nearest thousand. Look at the hundreds digit: 5. Since $5 \geq 5$, we round UP! The thousands digit changes from 2 to 3, so the answer is **73,000**. ✓
- Choice D is correct.** (4.13) The shaded parts show the same area. $\frac{1}{2}$ and $\frac{2}{4}$ are equivalent because we split each half in half, creating twice as many pieces. Circle C shows only $\frac{1}{4}$, which is much less.
- The correct answer is 48.** (4.4) The n th multiple of 4 is just $4 \times n$. So the 12th term is $4 \times 12 = \mathbf{48}$. *Quick check by skip-counting:* 4, 8, 12, 16, 20, 24, 28, 32, 36, 40, 44, 48—the 12th number is indeed 48. ✓
- Choice B is correct.** (4.22) The picture shows three \$5 bills. Multiply: $3 \times 5 = 15$ dollars. The total is **\$15**.
- Choice B is correct.** (4.28) An isosceles triangle has exactly two sides of equal length. The tick marks on two sides indicate those two sides are equal, making this an isosceles triangle. The answer is **B**.
- Choice B is correct.** (4.17) One whole column out of 10 is shaded, so $\frac{1}{10} = \frac{10}{100}$, which is 10 hundredths.
- Choice B is correct.** (4.16) Doubling a recipe means we multiply by 2. We get $2 \times \frac{3}{5} = \frac{6}{5}$ cups of milk.
- Choice C is correct.** (4.21) Since 1 pound = 16 ounces, multiply: $32 \times 16 = 512$ ounces. The answer is **512** ounces.
- The correct answer is A, C.** (4.3) Two steps lead to two true statements! Step 1: $240 \div 5 = 48$ pencils per grade—that matches choice A. Step 2: $48 - 15 = 33$ left after practice—that matches choice C. Choice B (50) and D (35) come from wrong arithmetic, and E confuses "240 distributed" with "300 total."
- Choice C is correct.** (4.24) A right angle opens to form a 90° angle, which means it is turned through **90** one-degree angles.
- Choice A is correct.** (4.15) Start at $1\frac{3}{4}$ and jump right by $1\frac{1}{4}$. Add the wholes: $1 + 1 = 2$. Add the fractions: $\frac{3}{4} + \frac{1}{4} = \frac{4}{4} = 1$. Combine: $2 + 1 = \mathbf{3}$.
- Choice A is correct.** (4.13) Find common denominator 120: $\frac{9}{10} = \frac{108}{120}$, $\frac{7}{8} = \frac{105}{120}$, $\frac{5}{6} = \frac{100}{120}$, $\frac{3}{4} = \frac{90}{120}$. Since 108 is closest to 120, $\frac{9}{10}$ is closest to 1.
- Choice D is correct.** (4.4) We need a number that pairs with 2 to make 20. Ask yourself: $2 \times ? = 20$. Since $2 \times 10 = 20$, the missing factor is **10**.
- Choice C is correct.** (4.27) A vertex is a corner where two sides come together. This four-sided figure has four corners, so it has four vertices.
- Choice A is correct.** (4.11) An area model splits both factors: $23 = 20 + 3$ (across) and $14 = 10 + 4$ (down). Choice A shows these parts correctly.
- Choice B is correct.** (4.15) A hiking trail is shown with sections covered. Step 1: Add the distances the hikers covered: $\frac{4}{12} + \frac{4}{12} = \frac{8}{12}$. Step 2: Find what's left: $\frac{12}{12} - \frac{8}{12} = \frac{4}{12}$.



Hi, Strong Climber!

◇ You climbed all 10 tests. One step at a time. That takes patience and grit. The view from the top is amazing because you earned it! ◇

★ **Mountain guides say:** steady steps win the climb. You climbed steady. You stayed strong. ★

Climber's Skills

- **Strong Steps:** You move forward, problem by problem.
- **Steady Pace:** You don't rush. You don't stop.
- **Map Skills:** You read questions carefully.
- **Top of the Mountain:** You can finish a long test.

Guide's tip: on test day, take small breaths between problems. One foot, then the next. You'll reach the top!

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

Jay Daie

Your Math Trail Guide

PRACTICE TODAY. ACHIEVE TOMORROW!

This **Grade 4 Math Practice Tests** book is designed to help students build strong math skills, boost confidence, and succeed in the classroom and beyond. With 10 full-length practice tests that reflect real test formats, students get the targeted practice they need to master key concepts, improve problem-solving abilities, and achieve their goals.

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