

6 Alabama ACAP

GRADE 4 MATH PRACTICE TESTS

Standards-Aligned Review with
Mixed Practice and Answer Key



MASTER KEY MATH CONCEPTS
BUILD CONFIDENCE FOR TEST DAY

INCLUDES COMPREHENSIVE ANSWER KEY
ALIGNED STATE STANDARDS

6 Alabama ACAP Grade 4 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



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

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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.

Six 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
Six 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 six rounds help students recognize the math move they need, even when the topic changes from question to question.



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1) What is 29×12 ?

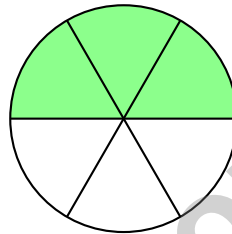
A. 406

C. 464

B. 522

D. 348

2) Look at the circle divided into equal parts. Which expression shows the shaded amount as a sum of unit fractions?



Pie divided into 6 equal slices

A. $\frac{1}{6} + \frac{1}{6} + \frac{1}{6}$

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

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

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

3) A carpenter measures an angle made by two boards. The angle is split by a third board into parts measuring 38° and 52° . What is the total angle measure?

A. 14°

C. 76°

B. 90°

D. 52°

4) Sam has 5 liters of juice. He uses 2 liters to make punch. How many liters of juice does he have left?

A. 2 L

C. 5 L

B. 3 L

D. 7 L

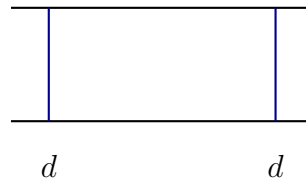


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5) What is 45,782 rounded to the nearest thousand?

- A. 45,000 C. 46,000
 B. 45,800 D. 50,000

6) In this diagram, the two marked lines are parallel. Which statement is correct?



- A. The distance between the lines always remains the same C. The lines will meet on the right
 B. The lines get closer at the top D. The distance between them increases
- 7) Maya painted $\frac{6}{9}$ of her bedroom wall on Monday and $\frac{2}{9}$ on Tuesday. What fraction of the wall did she paint in total?

8) Which decomposition of $\frac{9}{12}$ has three equal parts?

- A. $\frac{3}{12} + \frac{3}{12} + \frac{3}{12}$ C. $\frac{1}{12} + \frac{4}{12} + \frac{4}{12}$
 B. $\frac{2}{12} + \frac{3}{12} + \frac{4}{12}$ D. $\frac{5}{12} + \frac{2}{12} + \frac{2}{12}$



1) A book club buys 9 bundles of books. Each bundle has 15 books. If they distribute all books to 5 libraries equally, how many books does each library receive?

- A. 24 books C. 30 books
 B. 25 books D. 27 books

2) What is $2,800 \div 7$?

- A. 400 C. 410
 B. 390 D. 420

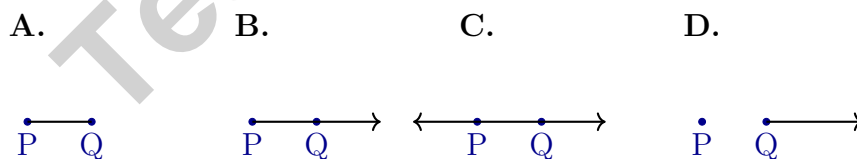
3) Which letter has 2 lines of symmetry?

- A. *E* C. *P*
 B. *X* D. *Q*

4) Tommy eats $\frac{1}{4}$ of a pizza 6 times a week. How much pizza does he eat per week?

- A. $\frac{1}{24}$ of a pizza C. $\frac{6}{24}$ of a pizza
 B. $\frac{6}{4}$ or $1\frac{1}{2}$ of a pizza D. $\frac{5}{4}$ of a pizza

5) Which diagram shows Ray PQ ?



- A. Diagram A C. Diagram C
 B. Diagram B D. Diagram D



6) A repeating pattern uses colors: red, blue, green, red, blue, green. What color is the 11th item?

A. Red

C. Green

B. Yellow

D. Blue

7) A rectangular garden is divided into 6 equal plots, and the farmer uses 4 of them. Which expression shows $\frac{4}{6}$ written as a sum of **unit fractions**?

A. $\frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6}$

C. $\frac{3}{6} + \frac{1}{6}$

B. $\frac{2}{6} + \frac{2}{6}$

D. $\frac{4}{6} + 0$

8) Which inequality is true?

A. $\frac{5}{8} > \frac{7}{8}$

C. $\frac{5}{8} = \frac{7}{8}$

B. $\frac{5}{8} < \frac{1}{2}$

D. $\frac{5}{8} < \frac{7}{8}$

9) The factors of 18 are shown in the table. Which number is missing?

Factor Pair
$1 \times 18 = 18$
$2 \times 9 = 18$
$3 \times ? = 18$

A. 5

C. 7

B. 9

D. 6

10) What is $\frac{9}{10}$ written as a fraction with denominator 100?

A. $\frac{9}{100}$

C. $\frac{90}{100}$

B. $\frac{19}{100}$

D. $\frac{99}{100}$



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1) How many lines of symmetry does a regular quadrilateral (square) have?

- A. 2 C. 4
 B. 3 D. 6

2) A carton of milk contains 2 pints. How many fluid ounces is this?

- A. 16 C. 64
 B. 32 D. 128

3)

\$2K	\$4K	\$3K	\$2K	\$1K
Monday	Tuesday	Wednesday	Thursday	Friday

The chart shows a store's rounded daily sales, in thousands of dollars. How much more did they sell Monday through Wednesday than Thursday and Friday combined?

- A. \$6,000 C. \$10,000
 B. \$8,000 D. \$7,000
- 4) $\frac{13}{10}$ can be decomposed as $1\frac{3}{10}$. Which equation shows this?
- A. $\frac{10}{10} + \frac{3}{10}$ C. $\frac{8}{10} + \frac{4}{10}$
 B. $\frac{10}{10} + \frac{4}{10}$ D. $\frac{6}{10} + \frac{6}{10}$



5) Which shows the four correct partial products for 24×19 ?

$20 \times 10 = 200$	$4 \times 10 = 40$
$20 \times 9 = 180$	$4 \times 9 = 36$

A.

$20 \times 19 = 380$	$4 \times 19 = 76$
20	4

B.

$20 \times 10 = 200$	$4 \times 19 = 76$
$20 \times 9 = 180$	$4 \times 10 = 40$

C.

$20 \times 10 = 200$	$4 \times 10 = 40$
$20 \times 9 = 180$	$4 \times 8 = 32$

D.



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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

- 1) **Choice D is correct.** (4.11) Use the distributive property: $29 \times (10 + 2) = 290 + 58 = 348$.
- 2) **Choice A is correct.** (4.15) The pie is divided into 6 equal slices, and 3 are shaded. So $\frac{3}{6}$ is shaded, which as unit fractions is $\frac{1}{6} + \frac{1}{6} + \frac{1}{6}$.
- 3) **Choice B is correct.** (4.15) The third board splits the angle. Add both parts: $38^\circ + 52^\circ = 90^\circ$.
- 4) **Choice B is correct.** (4.22) Sam starts with 5 liters and uses 2 liters for punch. Subtract to find what's left: $5 - 2 = 3$ liters. He has **3** liters remaining.
- 5) **Choice C is correct.** (4.9) We're rounding to the nearest thousand. Look at the hundreds digit: 7. Since $7 \geq 5$, we round UP! Change the thousands digit from 5 to 6, and the answer is **46,000**. ✓
- 6) **Choice A is correct.** (4.27) The blue distance markers show that these parallel lines stay exactly the same distance apart all the way down. That's what makes them parallel!
- 7) **The correct answer is $\frac{8}{9}$.** (4.15) Maya painted her bedroom wall over two days. Add the fractions with like denominators: $\frac{6}{9} + \frac{2}{9} = \frac{8}{9}$ of the wall was painted in total.
- 8) **Choice A is correct.** (4.15) Three pieces, all the same: $\frac{3}{12} + \frac{3}{12} + \frac{3}{12}$. Add the numerators: $3 + 3 + 3 = 9$, giving $\frac{9}{12}$. ✓
- 9) **Choice C is correct.** (4.12) Divide: $37 \div 5 = 7$ r2, bring down the 8 to get $28 \div 5 = 5$ r3, bring down the 0 to get $30 \div 5 = 6$. The orchard makes **756** full crates.
- 10) **Choice C is correct.** (4.4) Count stars: Figure 1 has 1, Figure 2 has 3, Figure 3 has 6. The increases are +2, then +3. Following the pattern, the next increase is +4: $6 + 4 = 10$ stars.
- 11) **Choice A is correct.** (4.17) The fraction $\frac{8}{10}$ means 8 tenths, which is 0.8.
- 12) **Choice C is correct.** (4.15) Count every X mark on the line plot: $2 + 0 + 3 + 0 + 1 = 6$ data points in total.
- 13) **Choice C is correct.** (4.15) Add the wholes: $1 + 2 = 3$. Add the fractions: $\frac{3}{10} + \frac{5}{10} = \frac{8}{10}$. The sum is **$3\frac{8}{10}$** .
- 14) **Choice C is correct.** (4.25) At 55° , the first angle is less than 90° , so it's acute. At 165° , the second angle is between 90° and 180° , so it's obtuse. We have one of each type. The answer is one acute and one obtuse.
- 15) **Choice B is correct.** (4.17) Convert the fractions to decimals: $\frac{2}{10} = 0.2$ and $\frac{4}{10} = 0.4$. The decimal 0.3 fits between them.
- 16) **The correct answer is A, D.** (4.15) A: $5 + 3 = 8$ twelfths ✓. D: $6 + 2 = 8$ twelfths ✓. B: $11 - 2 = 9$ (wrong). C: $4 + 4 = 8$ sixths, not twelfths (wrong). E: $9 - 4 = 5$ (wrong).
- 17) **Choice C is correct.** (4.6) "7 hundreds" means $7 \times 100 = 700$. The full number 6,731 confirms this. ✓
- 18) **Choice B is correct.** (4.21) Since 1 centimeter = 10 millimeters, multiply: $19 \times 10 = 190$ mm. The answer is **190** mm.
- 19) **Choice B is correct.** (4.29) A square has 4 lines, circles have many, and rectangles have 2. Only an equilateral triangle with three equal sides balances in exactly 3 directions. The answer is It is an equilateral triangle.
- 20) **The correct answer is 3.** (4.1) We know the larger amount (12 blue shirts) and the comparison (4 times). To find the smaller amount, divide: $12 \div 4 = 3$ red shirts.
- 21) **Choice C is correct.** (4.16) Seven shaded parts, each $\frac{1}{10}$: $7 \times \frac{1}{10} = \frac{7}{10}$.
- 22) **Choice A is correct.** (4.16) If we have 8 copies of $\frac{1}{12}$, we multiply: $8 \times \frac{1}{12} = \frac{8}{12}$. So the answer is **8** out of 12 parts.
- 23) **Choice C is correct.** (4.28) A parallelogram is defined as a quadrilateral with two pairs of parallel sides. The blue and red arrows in the figure mark these two pairs of parallel sides. The answer is **C**.
- 24) **Choice A is correct.** (4.16) Ava drinks $\frac{1}{4}$ cup 4 times, so we calculate $4 \times \frac{1}{4} = \frac{4 \times 1}{4} = \frac{4}{4} = 1$ cup. The answer is **1** cup.
- 25) **Choice D is correct.** (4.4) Test the small primes: 29 is odd (not $\div 2$); $2 + 9 = 11$ (not $\div 3$); doesn't end in 0 or 5 (not $\div 5$); $7 \times 4 = 28$, $7 \times 5 = 35$, no 7. So 29 has only factors 1 and 29—**prime**.
- 26) **Choice C is correct.** (4.17) Convert the strawberries: $\frac{8}{10} = \frac{80}{100}$. Now add: $\frac{80}{100} + \frac{15}{100} = \frac{95}{100}$ pound.
- 27) **Choice D is correct.** (4.3) Two steps! Step 1: total money raised: 8 boxes \times \$9 = \$72. Step 2: split equally among 3 projects: $\$72 \div 3 = \24 per project.
- 28) **The correct answer is 80 ft.** (4.23) Rope around the pool = $2(25) + 2(15) = 50 + 30 = 80$ ft.



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Hi, Brave Explorer!

◇ What a trip! You explored 6 full tests. You went to many math places: multiplication, fractions, area, time, and more. ◇

★ **Smart explorers know:** every trip teaches something. Through 6 tests, you learned a lot. You are a stronger math explorer now. ★

Your Explorer Tools

- **Map Reading:** You read problems carefully.
- **Trail Skills:** You take steps in the right order.
- **Backpack:** You have many math tools.
- **Brave Heart:** You explore even hard problems.

Explorer tip: on test day, use the tools you packed. You have the skills. You are ready!

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, SUCCEED TOMORROW!

This **Grade 4 Math Practice Tests** book is the perfect tool to help students strengthen their math skills, master important concepts, and build confidence for test success.

With 6 full-length practice tests, a variety of question types, and detailed answer explanations, students get the review and practice they need to improve accuracy, develop critical thinking, and achieve their best.

Ideal 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 IN MATH.
SUCCESS FOR LIFE.**

WHAT STUDENTS WILL GAIN



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.



Track Progress

Measure growth across multiple practice tests.



Master Key Concepts

Reinforce important skills aligned with grade-level standards.



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 & Equivalent Fractions
- ✓ Decimals
- ✓ Geometry & Measurement
- ✓ Perimeter & Area
- ✓ Data, Graphs & Line Plots
- ✓ Patterns & Algebraic Thinking
- ✓ And More!



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