

5 Alabama ACAP

Standards-Aligned Review with
Mixed Practice and Answer Key

A+

5 Alabama ACAP Grade 4 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Five 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.

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



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1) Add: $\frac{4}{10} + \frac{15}{100}$.

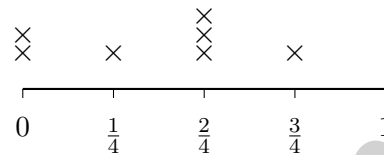
A. $\frac{19}{100}$

B. $\frac{4}{15}$

C. $\frac{55}{100}$

D. $\frac{59}{100}$

2) Look at the line plot showing pencil lengths (in inches):

How many pencils measured $\frac{2}{4}$ inch?

A. 1

B. 2

C. 3

D. 4

3) A water bottle holds 750 milliliters. How much water is in 2 bottles?

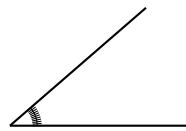
A. 375 mL

B. 750 mL

C. 1,500 mL

D. 2,250 mL

4)



This angle has tick marks from 0 to 40 degrees. What is the measure of the angle?

A. 40°

B. 41°

C. 39°

D. 80°



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- 5) A bakery sold 56 donuts on Monday. On Tuesday, the bakery sold 7 times as many donuts. How many donuts did the bakery sell on Tuesday?

- 6) Convert $4\frac{2}{3}$ to an improper fraction.

A. $\frac{14}{3}$

C. $\frac{10}{3}$

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

D. $\frac{15}{3}$

- 7) What is $4,125 \div 5$?

A. 805

C. 825

B. 815

D. 835

- 8) Simplify $\frac{2}{8}$.

- 9) What number is $100,000 + 20,000 + 3,000 + 0 + 50 + 0$?

A. 123,500

C. 123,050

B. 102,350

D. 120,350



10) Which expanded form equals 0.34?

A. $0.3 + 0.4$

B. $0.3 + 0.04$

C. $3 + 0.4$

D. $3 + 4$

11) What is $2 \times \frac{2}{5}$?

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

B. $\frac{4}{5}$

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

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

12) Round 23,562 to the nearest thousand.

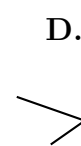
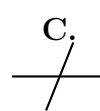
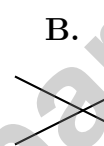
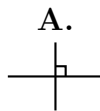
A. 23,000

B. 20,000

C. 23,600

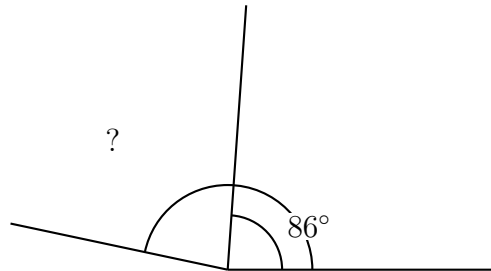
D. 24,000

13) Which diagram shows two perpendicular lines?

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

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- 1) A surveyor measures a land angle of 168° . A tree is planted such that it divides the angle into 86° and another part. What is the measure of the other part?



- A. 82° C. 254°
 B. 86° D. 90°
- 2) Which statement is true about a parallelogram?
- A. It has no parallel sides. C. It has only one pair of parallel sides.
 B. It has two pairs of parallel sides. D. It has four right angles.
- 3) A town's population grew from 34,567 to 56,789. What is the increase in population?
- A. 21,222 C. 22,122
 B. 21,122 D. 22,222
- 4) In 45,328, how many thousands are there?



- 5) Mia weighs 42 pounds. Her dog weighs 18 pounds. How much more does Mia weigh than her dog?
- A. 24 pounds C. 18 pounds
 B. 60 pounds D. 42 pounds
- 6) Which description matches a right angle?
- A. Smallest opening of all angles C. Largest opening before becoming a straight line
 B. Square corner, like the corner of a book D. Opens wider than an acute angle
- 7) Kai has 9 toy trucks. His brother has 2 times as many. How many trucks does his brother have?
- A. 11 C. 7
 B. 9 D. 18
- 8) What is the value of the digit 8 in the number 1,289?
- A. 8 C. 800
 B. 8,000 D. 80
- 9) The rule is “add 7.” If the first term is 5, what is the third term?
- A. 12 C. 22
 B. 26 D. 19
- 10) Use the place-value chart to find the decimal.

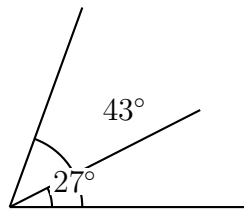
Tenths	Hundredths
9	2

- A. 0.92 C. 0.029
 B. 9.2 D. 92.0



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- 1) What is $55,432 - 23,108$?
- A. 32,324 C. 31,324
 B. 32,234 D. 32,334
- 2) A gear rotates $\frac{7}{12}$ of a full turn, then rotates an additional $\frac{1}{12}$ turn. What is the total rotation in degrees?
- A. 180° C. 240°
 B. 210° D. 270°
- 3) Maria draws an angle that is slightly more than 90° . What type of angle did she draw?
- A. An acute angle C. An obtuse angle
 B. A right angle D. A straight angle
- 4) Which list shows ALL the factors of 48?
- A. 1, 2, 4, 6, 8, 12, 24, 48 C. 1, 2, 3, 4, 6, 8, 12, 24, 48
 B. 1, 2, 3, 4, 6, 8, 12, 16, 24, 48 D. 2, 3, 4, 6, 8, 12, 24, 48
- 5) An angle is formed by three rays meeting at a point. The first ray creates an angle of 27° , the second creates 43° , and together these form a larger angle. What is this larger angle measure?

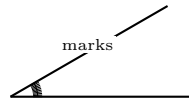


- A. 70° C. 90°
 B. 16° D. 100°



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6)



This angle is marked from 0° to 30° . How many one-degree angles does the angle contain?

- A. 29 one-degree angles C. 31 one-degree angles
 B. 30 one-degree angles D. 60 one-degree angles

7) A toy store has 100 action figures. A craft store has 2 times as many action figures. How many action figures does the craft store have?

- A. 102 C. 300
 B. 150 D. 200

8) In 130,800, what digit is in the hundreds place?

9) By what number do you multiply both the numerator and denominator of $\frac{3}{5}$ to get $\frac{12}{20}$?

- A. 2 C. 4
 B. 3 D. 5



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 C is correct.** (4.17) Convert $\frac{4}{10}$ to hundredths: $\frac{4}{10} = \frac{40}{100}$. Now we can add: $\frac{40}{100} + \frac{15}{100} = \frac{55}{100}$.
- 2) **Choice C is correct.** (4.15) Look at the line plot where $\frac{2}{4}$ inch is marked. Count the X marks stacked above that tick: we see **3** marks.
- 3) **Choice C is correct.** (4.22) Each bottle holds 750 mL. With 2 bottles, multiply: $750 \times 2 = 1,500$ mL. There are **1,500** milliliters of water.
- 4) **Choice A is correct.** (4.24) The angle extends from 0° to 40° , giving us **40°** .
- 5) **The correct answer is 392.** (4.1) “7 times as many” means multiply: 56×7 . A handy way to think about it: $50 \times 7 = 350$ and $6 \times 7 = 42$, so $350 + 42 = \mathbf{392}$ donuts.
- 6) **Choice A is correct.** (4.15) Multiply the whole by the denominator: $4 \times 3 = 12$. Add the numerator: $12 + 2 = 14$. The result is $\frac{14}{3}$.
- 7) **Choice C is correct.** (4.12) Long division: $4 \div 5 = 0$ r4, bring down the 1 to get $41 \div 5 = 8$ r1, bring down the 2 to get $12 \div 5 = 2$ r2, bring down the 5 to get $25 \div 5 = 5$. Answer: **825**.
- 8) **The correct answer is $\frac{1}{4}$.** (4.13) Divide both numerator and denominator by their common factor 2: $\frac{2}{8} = \frac{1}{4}$.
- 9) **Choice C is correct.** (4.7) Step 1: $100,000 + 20,000 + 3,000 = 123,000$. Step 2: $123,000 + 50 = 123,050$ ✓
- 10) **Choice B is correct.** (4.17) Break 0.34 into parts: 3 tenths (0.3) plus 4 hundredths (0.04) equals $0.3 + 0.04 = 0.34$.
- 11) **Choice B is correct.** (4.16) Two groups of $\frac{2}{5}$ each: $2 \times \frac{2}{5} = \frac{2 \times 2}{5} = \frac{4}{5}$.
- 12) **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 3 to 4, giving us **24,000**. ✓
- 13) **Choice A is correct.** (4.27) Perpendicular lines cross at a right angle — exactly 90° — and you can spot them by the tiny square symbol at the corner. Diagram A shows this perfect corner square.
- 14) **Choice B is correct.** (4.29) The letter *U* looks like a cup with two equal curved sides. A vertical line straight down the middle splits it so both sides match perfectly. The answer is Vertically down the middle.
- 15) **Choice C is correct.** (4.16) Each juice bottle holds $\frac{4}{5}$ cup, and there are 3 bottles. Multiply: $3 \times \frac{4}{5} = \frac{3 \times 4}{5} = \frac{12}{5} = 2\frac{2}{5}$ cups. The answer is $2\frac{2}{5}$ cups.
- 16) **Choice C is correct.** (4.3) Read the table for the totals, then combine. Step 1: $18 + 24 + 30 = 72$ books in all. Step 2: share among 9 classrooms: $72 \div 9 = 8$ books each.
- 17) **The correct answer is A, C.** (4.24) Choice A: $\frac{1}{4} \times 360^\circ = 90^\circ$ ✓. Choice C: A quarter turn is $\frac{1}{4}$ of the circle, also 90° ✓. Choice B: $\frac{1}{3} \times 360^\circ = 120^\circ$. Choice D: 12 to 4 is one-third, or 120° . Choice E: 12 to 6 is a half turn, or 180° .
- 18) **Choice D is correct.** (4.13) To get a denominator of 12 from 3, multiply by 4. Multiply both top and bottom by 4: $\frac{2}{3} = \frac{2 \times 4}{3 \times 4} = \frac{8}{12}$.
- 19) **The correct answer is 90.** (4.24) A straight angle is 180° and a right angle is 90° . Since $180 - 90 = 90$, the straight angle is **90°** larger.
- 20) **Choice D is correct.** (4.6) A value of 7,000 means $7 \times 1,000$. This is the thousands place. Answer: Thousands. ✓
- 21) **Choice B is correct.** (4.25) This angle is tiny—it opens just 7° from the baseline. Reading 173° would be confusing the inner and outer scales. A common mistake is to read the wrong scale when an angle is very small or very large. The answer is no, about 7 degrees.
- 22) **Choice A is correct.** (4.11) Use the distributive property: $6 \times (30 + 5) = 180 + 30 = \mathbf{210}$ students.
- 23) **Choice D is correct.** (4.4) Subtract 6 each time: 80, 74, 68, **62**. The 4th term is **62**.
- 24) **Choice A is correct.** (4.17) Compare tenths: $5 > 3$. Among the two with tenths = 5, compare hundredths: $5 > 3$, so $0.55 > 0.53$. Among the two with tenths = 3, compare hundredths: $5 > 3$, so $0.35 > 0.33$.
- 25) **Choice C is correct.** (4.28) A right triangle is identified by its one right angle, which measures exactly 90 degrees. The other two angles must be acute. The answer is **C**.
- 26) **Choice C is correct.** (4.15) Check each: A equals $\frac{4}{5}$ (less), B equals $\frac{4}{3}$ (more), C equals **1**, D equals $\frac{5}{4}$ (more). Only $C = \frac{5}{6} + \frac{1}{6} = 1$.



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Hi, Brave Trail-Walker!

◇ You walked all 5 miles of the practice trail. Smooth paths, steep climbs, narrow passes. Every step taught you something. ◇

★ **Trail guides know:** the most important thing is to keep moving. Slow steps still get you there. You have a steady stride now. ★

Trail Survey

- **Route Knowledge:** You know lots of problem types.
- **Steady Pace:** You don't rush. You don't stop.
- **Pack Loaded:** You have all the math tools you need.
- **Confidence:** You trust your training.

Guide's tip: on test day, stay on the trail you've walked before. Use the strategies you've practiced. Trust the route. The summit is one steady walk away!

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

Jay Daie

Your Math Trail Guide

5 PRACTICE TESTS. BUILD SKILLS. BOOST CONFIDENCE!

This **Grade 4 Math Practice Tests** book is designed to help students master essential math concepts, improve problem-solving skills, and build the confidence they need to excel.

With 5 full-length practice tests, a variety of question types, and detailed answer explanations, students get the practice they need to understand math, strengthen critical thinking, and perform their best on test day and beyond.

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 TODAY.
SUCCESS TOMORROW!

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
- ✓ Word Problems
- ✓ And More!



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5 Full-Length Practice Tests



Standards-Aligned



Build Confidence and Skills



Mixed Question Types



Answer Key Included

A+