

8 Alabama ACAP GRADE 4



PRACTICE TESTS



Standards-Aligned Review with
Mixed Practice and Answer Key

**COMPREHENSIVE
TEST PREP**

Includes Solutions

8 Alabama ACAP Grade 4 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Eight 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.

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

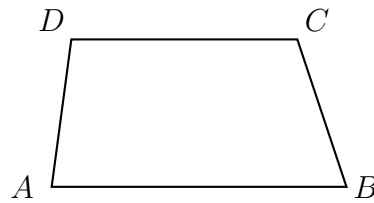


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& answers

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1) This trapezoid has different leg lengths. How many lines of symmetry does it have?



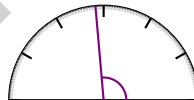
- A. 0 lines C. 2 lines
 B. 1 line D. 4 lines

2) Use the place-value chart below to find the decimal for $\frac{6}{10}$.

Ones	Tenths	Hundredths

- A. 0.6 C. 6.0
 B. 0.06 D. 60.0

3)



Measure the angle shown in degrees.



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4) Diego has 6 stickers. Each sticker is $\frac{1}{2}$ inch long. What is the total length of all his stickers?

A. $\frac{6}{2}$ inches or 3 inches

C. $\frac{6}{12}$ inch

B. $\frac{1}{12}$ inch

D. $\frac{7}{2}$ inches

5) $\frac{5}{4}$ is the same as $1\frac{1}{4}$. Which shows this decomposition?

A. $\frac{4}{4} + \frac{1}{4}$

C. $\frac{3}{4} + \frac{1}{4}$

B. $\frac{2}{4} + \frac{2}{4}$

D. $\frac{4}{4} + \frac{2}{4}$

6) A tank can hold 200 liters of water. There are already 84 liters inside. How many more liters can fit?

A. 84 L

C. 140 L

B. 116 L

D. 200 L

7) Which is true?

A. $\frac{4}{10} > \frac{8}{10}$

C. $\frac{4}{10} < \frac{8}{10}$

B. $\frac{4}{10} = \frac{8}{10}$

D. Cannot compare

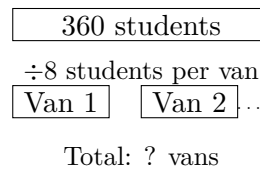
8) Write 0.7 as an equivalent decimal in hundredths.



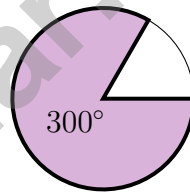
9) Two rays form an angle of 127° . One ray is rotated to create a smaller angle of 39° with the other ray. What is the angle that was swept during the rotation?

- A. 88° C. 39°
 B. 166° D. 90°

10) A van can carry 8 students. If there are 360 students going on a field trip, how many vans are needed?



- A. 45 C. 48
 B. 42 D. 40



11)

If the shaded angle measures 300° , what fraction of a complete turn is this?

- A. $\frac{2}{3}$ C. $\frac{5}{6}$
 B. $\frac{3}{4}$ D. $\frac{4}{5}$

12) How is $\frac{80}{100}$ written as a fraction with denominator 10?

- A. $\frac{80}{10}$ D. Cannot be written with denominator 10
 B. $\frac{8}{10}$
 C. $\frac{8}{100}$



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1) Which number sentence is true?

A. $\frac{2}{10} = \frac{20}{100}$

B. $\frac{2}{10} = \frac{2}{100}$

C. $\frac{2}{10} = \frac{12}{100}$

D. $\frac{2}{10} = \frac{100}{2}$

2) A kitchen has 240 ounces of rice to divide equally among 4 storage bins. How many ounces of rice go in each bin?

 A. 60 ounces B. 80 ounces C. 120 ounces D. 240 ounces

3) If an angle turns through 45 one-degree angles, what is the measure of the angle?

 A. 4.5° B. 45° C. 90° D. 450°

4) Write 52,047 in expanded form.

A. $50,000 + 2,000 + 400 + 7$

B. $50,000 + 2,000 + 4 + 7$

C. $50,000 + 20,000 + 40 + 7$

D. $50,000 + 2,000 + 40 + 7$

5) A rectangle has a length of 13 inches and a width of 6 inches. What is its perimeter?

 A. 19 in B. 38 in C. 78 in D. 39 in

6) Find 32×19 .



One whole (4 fourths)

1)

The bar shows $\frac{2}{4}$ is shaded. If you have 3 such bars, how much is shaded in total?

A. $\frac{6}{4}$ (or $1\frac{1}{2}$)

C. $\frac{3}{4}$

B. $\frac{2}{12}$

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

2) Which number is divisible by 2?

A. 47

C. 63

B. 71

D. 52

3) Ming has 936 marbles. She wants to pack them into bags with 9 marbles each. How many full bags can she make?

A. 104

C. 108

B. 99

D. 114

4) What is $\frac{1}{4} + \frac{3}{4}$?

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

C. $\frac{3}{4}$

B. $\frac{4}{4}$ or 1

D. $\frac{1}{8}$

5) A container holds 2 kilograms of rice. How much rice is in 7 identical containers?

A. 5 kg

C. 14 kg

B. 9 kg

D. 12 kg



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6) Which fraction is NOT equal to $\frac{10}{100}$?

A. $\frac{1}{10}$

B. $\frac{10}{10}$

C. $\frac{20}{200}$

D. $\frac{5}{50}$

7) Gia has 27 stickers. Her friend gives her 18 more. They share all stickers equally. If they split into 3 groups, how many stickers are in each group?

A. 12

B. 13

C. 18

D. 15

Th	H	T	O
5	2	3	4

8)

This place-value chart shows 5,234. If we add 3,456, what digit appears in the hundreds place of the sum?

A. 6

B. 7

C. 8

D. 9

9) A rectangular poster is 12 inches long and 8 inches wide. How much paper does it cover (what is its area)?



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 A is correct.** (4.29) This trapezoid has two slanted sides of different lengths (legs), making it lopsided. No fold line can create two matching halves. The answer is **0** lines of symmetry.
- 2) **Choice A is correct.** (4.17) The place-value chart shows where each digit belongs. $\frac{6}{10}$ means six tenths, so we place 6 in the tenths column: 0.6.
- 3) **The correct answer is 95.** (4.25) Place the protractor's center at the vertex. Align the baseline ray with 0° . The second ray points to the 95° mark. Since $95^\circ > 90^\circ$ but $95^\circ < 180^\circ$, this is an obtuse angle. The answer is **95** degrees.
- 4) **Choice A is correct.** (4.16) Diego has 6 stickers, each $\frac{1}{2}$ inch long. Multiply: $6 \times \frac{1}{2} = \frac{6 \times 1}{2} = \frac{6}{2} = 3$ inches. The answer is **3** inches.
- 5) **Choice A is correct.** (4.15) $\frac{4}{4}$ is one whole, and $\frac{1}{4}$ more makes $1\frac{1}{4}$. Add: $4 + 1 = 5$, so $\frac{4}{4} + \frac{1}{4} = \frac{5}{4}$ ✓.
- 6) **Choice B is correct.** (4.22) The tank holds 200 liters total. There are already 84 liters inside. Subtract: $200 - 84 = 116$ liters. **116** liters can still fit.
- 7) **Choice C is correct.** (4.13) Same denominator, so compare numerators: $4 < 8$ means $\frac{4}{10} < \frac{8}{10}$.
- 8) **The correct answer is 0.70.** (4.17) A trailing zero doesn't change the value. Both 0.7 and 0.70 equal the same amount.
- 9) **Choice A is correct.** (4.15) The ray rotates from one angle to a smaller one. The swept angle is: $127^\circ - 39^\circ = \mathbf{88^\circ}$.
- 10) **Choice A is correct.** (4.12) Ask: $8 \times ? = 360$. Since $8 \times 45 = 360$, we need **45** vans for all the students.
- 11) **Choice C is correct.** (4.24) $\frac{300}{360} = \frac{5}{6}$ after simplifying by dividing by 60.
- 12) **Choice B is correct.** (4.17) Think of it this way: if 10 hundredths = 1 tenth, then 80 hundredths = 8 tenths. So $\frac{80}{100} = \frac{8}{10}$.
- 13) **Choice B is correct.** (4.24) The angle reaches 20° on the degree scale, so it is made of **20** one-degree angles.
- 14) **The correct answer is A, D.** (4.6) A is true: 5 is in the hundreds place. D is true: 4 is in the tens place ($4 \times 10 = 40$). B, C, E are false. Answer: A and D. ✓
- 15) **Choice C is correct.** (4.15) Add the wholes: $4 + 1 = 5$. Add the fractions: $\frac{1}{6} + \frac{4}{6} = \frac{5}{6}$. The sum is **$5\frac{5}{6}$** .
- 16) **Choice A is correct.** (4.27) This angle opens up a small amount, much less than a right angle. Since it's less than 90° , it's an acute angle.
- 17) **Choice D is correct.** (4.4) A multiple of 7 is what you get from $7 \times$ a whole number. Since $7 \times 7 = 49$, that makes 49 a multiple of 7. The others don't fit: $45 = 5 \times 9$, $52 = 4 \times 13$, $60 = 6 \times 10$.
- 18) **Choice C is correct.** (4.11) Use partial products: $2 \times (60 + 70 + 2) = 120 + 140 + 4 = \mathbf{1344}$.
- 19) **Choice B is correct.** (4.24) Desks and books have rectangular corners, which are right angles.
- 20) **Choice B is correct.** (4.23) Using $P = 2\ell + 2w = 80$ with $\ell = 25$: $2(25) + 2w = 80$. Simplify: $50 + 2w = 80$, so $2w = 30$, thus $w = 15$ m.
- 21) **Choice B is correct.** (4.21) Since 1 kilogram = 1,000 grams, multiply: $12 \times 1,000 = 12,000$ g. The answer is **12,000** g.
- 22) **Choice C is correct.** (4.15) Add up all the X marks at each position: $2 + 4 + 1 = \mathbf{7}$ X marks in total.
- 23) **Choice B is correct.** (4.15) The paper strip is divided into 3 equal parts, and all 3 are colored. So the whole strip is colored: $\frac{3}{3}$. As unit fractions: $\frac{1}{3} + \frac{1}{3} + \frac{1}{3}$.
- 24) **The correct answer is 60.** (4.7) The tens place (second from right) has the digit 6. Its value: $6 \times 10 = 60$ ✓
- 25) **Choice D is correct.** (4.4) Dots form odd-number rows: Figure 1 = 1, Figure 2 = 1 + 3 = 4, Figure 3 = 1 + 3 + 5 = 9, Figure 4 = 9 + 7 = **16** dots.
- 26) **Choice A is correct.** (4.16) The number line shows 4 equal jumps of $\frac{1}{4}$ each, landing at 1. This shows the multiplication $4 \times \frac{1}{4} = 1$.
- 27) **Choice B is correct.** (4.16) The numerator tells us how many eighths there are. Since the numerator is 6, there are **6** eighths in $\frac{6}{8}$.
- 28) **Choice A is correct.** (4.13) Check option A: $\frac{3}{4} = \frac{3 \times 3}{4 \times 3} = \frac{9}{12}$ ✓ True! The others fail: B gives $\frac{2}{5} = \frac{8}{20}$ (not $\frac{4}{12}$), C gives $\frac{1}{4} = \frac{3}{12}$ (not $\frac{2}{12}$), and D is clearly false.



Hi, Math Builder!

◇ Through 8 practice tests, you built your math house brick by brick. The walls are strong. The roof is on. You are ready for anything test day brings. ◇

★ **Builders know:** good plans make strong houses. You learned to plan, then build. That helps with any problem. ★

Builder's Tools

- **Foundation:** ROCK SOLID. Math facts are in place.
- **Frame:** STRONG. You can break problems into parts.
- **Walls:** TIDY. Your work is neat and clear.
- **Roof:** DONE. You always answer the question.

Builder tip: on test day, build each answer like a tiny house. Read first. Plan next. Do the math. Then check!

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

Jay Daie

Your Math Builder

8 PRACTICE TESTS. PREPARE. PRACTICE. SUCCEED!

This **Grade 4 Math Practice Tests** book is designed to help students build strong math skills, master essential concepts, and boost confidence for success in the classroom and beyond.

Featuring 8 full-length practice tests, a variety of question types, and detailed answer explanations, this book provides the practice and support students need to improve accuracy, strengthen problem-solving abilities, and achieve their best.

Perfect for classroom use, homework, test preparation, and extra practice at home.

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

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SUCCESS FOR LIFE.**

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Develop logical thinking and effective solution strategies.



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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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