

4

Alabama ACAP

GRADE 4

MATH

PRACTICE TESTS



5 FULL-LENGTH
PRACTICE TESTS



Standards-Aligned Review with
Mixed Practice and Answer Key



STANDARDS-ALIGNED
REVIEW



$$4 \times 7 = 28$$

$$36 \div 9 = 4$$



MIXED PRACTICE
QUESTIONS



ANSWER KEY
INCLUDED

$$\begin{array}{r} 125 \\ + 87 \\ \hline 212 \end{array}$$



4 Alabama ACAP Grade 4 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Four focused 30-question missions for Grade 4 math: number facts, 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.

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



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For more practice
& answers

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6) An angle is made up of:

- A. Three points C. A vertex and two rays
 B. Two parallel lines D. Two line segments

7) Which two fractions are both equivalent to $\frac{1}{5}$?

- A. $\frac{2}{10}$ and $\frac{20}{100}$ C. $\frac{2}{10}$ and $\frac{30}{100}$
 B. $\frac{3}{10}$ and $\frac{30}{100}$ D. $\frac{1}{10}$ and $\frac{10}{100}$

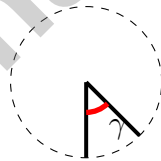
8) Which set of unit fractions adds up to $\frac{5}{6}$?

- A. Five $\frac{1}{6}$'s C. Five $\frac{1}{12}$'s
 B. Six $\frac{1}{5}$'s D. Two $\frac{1}{6}$'s

9) What is 19×22 ?

- A. 418 C. 392
 B. 380 D. 456

10)

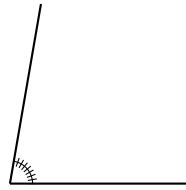


What is the measure of angle γ ?

- A. 45° C. 90°
 B. 60° D. 135°



11)



Count the intervals from 0 to 80 in this angle. What is the measure?

- A. 10° C. 80°
 B. 40° D. 81°

12) A rope is 48 inches long. If it is cut into 6 equal pieces, how long is each piece?

- A. 6 inches C. 42 inches
 B. 8 inches D. 54 inches

13) What does the place-value chart show?

Ones	Tenths	Hundredths
0	7	5

- A. 75.0 C. 0.75
 B. 7.5 D. 0.075

14) A triangle has angles 50° and 60° . What is the third angle?

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1) Which is a prime number between 30 and 40?

A. 32

C. 37

B. 35

D. 39

2) What is $5 \times \frac{1}{6}$?

A. $\frac{1}{30}$

C. $\frac{5}{6}$

B. $\frac{6}{5}$

D. $\frac{5}{30}$

3) One batch of a recipe uses $\frac{2}{5}$ cup of flour. If you make 3 batches, how much flour do you use?

A. $\frac{2}{15}$ cup

C. $\frac{3}{5}$ cup

B. $\frac{6}{5}$ cups (or $1\frac{1}{5}$ cups)

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

4) A farmer has 23,456 kg of grain. He uses 5,678 kg. How much grain is left?

A. 17,778 kg

C. 18,778 kg

B. 17,878 kg

D. 17,678 kg

5) Maya has 7 pounds of flour. How many ounces of flour does she have?



6) How many degrees are in $\frac{3}{4}$ of a turn?

A. 180°

B. 225°

C. 270°

D. 300°

7) How many unit fractions $\frac{1}{4}$ are needed to make $\frac{3}{4}$?

A. 1

B. 2

C. 3

D. 4

8) Which statement is true?

A. Parallel lines always meet at right angles

B. Perpendicular lines meet at right angles

C. Parallel lines are the same as perpendicular lines

D. Perpendicular lines never meet

9) Which product equals $\frac{8}{12}$?

A. $2 \times \frac{1}{12}$

B. $4 \times \frac{1}{12}$

C. $8 \times \frac{1}{12}$

D. $12 \times \frac{1}{8}$

10) A pattern starts at 3 and follows the rule “add 4.” What is the 5th term in the pattern?

A. 15

B. 16

C. 19

D. 23

11) A paint can contains $6\frac{2}{3}$ quarts of paint. After painting a room, $2\frac{1}{3}$ quarts are left. How much paint was used?

A. $4\frac{1}{3}$

B. $4\frac{2}{3}$

C. $8\frac{2}{3}$

D. $3\frac{2}{3}$



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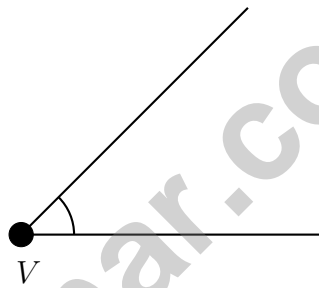
1) During lunch, the cafeteria used 6 gallons of milk on Monday and 8 gallons on Tuesday. How many gallons did they use in total?

- A. 2 gallons C. 14 gallons
 B. 8 gallons D. 48 gallons

2) Sofia has 3,472 stickers. What is the place value of the digit 4 in her total?

- A. 4 C. 400
 B. 40 D. 4,000

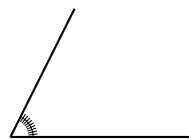
3)



What is labeled with the letter V in the diagram above?

- A. A ray C. The arc
 B. The vertex D. A side

4)



This angle is marked from 0° to 63° . What is the measure?

- A. 63° C. 62°
 B. 64° D. 126°



5) How many copies of $\frac{1}{3}$ are in $\frac{3}{3}$?

A. 1

C. 3

B. 2

D. 6

6) A runner completes $\frac{5}{6}$ of a race, then stops for water. After water, she runs $\frac{1}{6}$ more. Did she complete the full race?

A. Yes, she ran $\frac{6}{6}$ or the whole race

C. No, she ran $\frac{5}{12}$ of the race

B. No, she only ran $\frac{5}{6}$

D. Yes, she ran $\frac{7}{6}$ of the race

7) A movie theater sold 4,032 tickets over 6 days. If the same number of tickets was sold each day, how many tickets were sold per day?

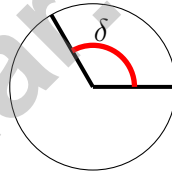
A. 672

C. 662

B. 682

D. 652

8)



What is the measure of angle δ in the diagram?

A. 90°

C. 150°

B. 120°

D. 180°

9) Noah walks $\frac{2}{8}$ mile each day. How far does he walk in 4 days?

A. $\frac{8}{8}$ mile or 1 mile

C. $\frac{6}{8}$ mile

B. $\frac{2}{32}$ mile

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



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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.** (4.2) The bar model shows Lily's bar split into 3 equal pieces, each the size of Ethan's 8 cards. Multiply: $3 \times 8 = 24$ trading cards.
- 2) **Choice B is correct.** (4.15) Add the wholes: $1 + 2 = 3$. Add the fractions: $\frac{2}{6} + \frac{5}{6} = \frac{7}{6} = 1\frac{1}{6}$. Combine: $3 + 1\frac{1}{6} = 4\frac{1}{6}$.
- 3) **The correct answer is 0.5.** (4.17) Fifty hundredths equals 0.5.
- 4) **Choice C is correct.** (4.4) Divisibility rule for 5: the last digit must be 0 or 5. 105 ends in 5—yes! So $105 \div 5 = 21$. The others end in 4, 1, 3—none of which are 0 or 5.
- 5) **The correct answer is 0.** (4.25) The first step in measuring an angle is to align one ray (the baseline ray) with the 0° mark on the protractor. This is your starting point for reading the second ray. The answer is **0** degrees.
- 6) **Choice C is correct.** (4.27) Think of an angle as two rays (the sides) that meet at one point (the vertex). That point is like the hinge, and the rays are like the two flaps of the angle.
- 7) **Choice A is correct.** (4.13) Multiply both numerator and denominator by 2 to get tenths: $\frac{1}{5} = \frac{1 \times 2}{5 \times 2} = \frac{2}{10}$. Then multiply by 20 to get hundredths: $\frac{1}{5} = \frac{1 \times 20}{5 \times 20} = \frac{20}{100}$.
- 8) **Choice A is correct.** (4.16) We need to add 5 unit fractions of $\frac{1}{6}$ each. This means $5 \times \frac{1}{6} = \frac{5}{6}$.
- 9) **Choice A is correct.** (4.11) Split 22: $19 \times (20 + 2) = 380 + 38 = 418$.
- 10) **Choice A is correct.** (4.24) The diagram shows an angle between a downward ray and a diagonal ray. The measure is 45° .
- 11) **Choice C is correct.** (4.24) Counting the intervals from 0 to 80 gives us **80°** .
- 12) **Choice B is correct.** (4.22) A 48-inch rope is cut into 6 equal pieces. Divide: $48 \div 6 = 8$ inches. Each piece is **8** inches long.
- 13) **Choice C is correct.** (4.17) The place-value chart shows: ones place = 0, tenths place = 7, hundredths place = 5. Put it together: 0.75.
- 14) **The correct answer is 70.** (4.28) The sum of angles in any triangle is 180 degrees. Subtracting the two given angles: $180 - 50 - 60 = 70$. The answer is **70**.
- 15) **Choice B is correct.** (4.15) The yard has green and yellow sections. Step 1: Add the colored parts: $\frac{2}{4} + \frac{1}{4} = \frac{3}{4}$. Step 2: Subtract from the whole yard: $\frac{4}{4} - \frac{3}{4} = \frac{1}{4}$ is not colored.
- 16) **Choice D is correct.** (4.3) Three steps! Step 1: total plants: $20 + 15 = 35$. Step 2: subtract the dead plants: $35 - 5 = 30$ plants. Step 3: multiply by fruit per plant: $30 \times 12 = 360$ fruits expected.
- 17) **Choice C is correct.** (4.17) To be between 0.4 and 0.5, a decimal must have tenths = 4. But 0.55 has tenths = 5, so it's not in the range.
- 18) **The correct answer is A, D.** (4.10) A: In $4,567 + 2,456$, since $7 + 6 = 13$, we regroup in ones \checkmark . B: $5,000 - 1,234$ requires regrouping \times . C: In $6,234 + 1,567$, we write 2 in tens, not 0 \times . D: In $8,000 - 2,345$, we must regroup across zeros \checkmark . E: False \times . Correct: A and D.
- 19) **Choice A is correct.** (4.15) To find the missing part, subtract what you know from the whole angle: $150^\circ - 85^\circ = 65^\circ$.
- 20) **Choice A is correct.** (4.16) Sophia completes 5 laps, each $\frac{1}{4}$ mile long. She runs $5 \times \frac{1}{4} = \frac{5}{4}$ miles total.
- 21) **Choice A is correct.** (4.15) Option A shows two decompositions: $\frac{2}{10} + \frac{6}{10}$ and $\frac{4}{10} + \frac{4}{10}$. Check: $2 + 6 = 8$ and $4 + 4 = 8$. Both equal $\frac{8}{10}$ \checkmark .
- 22) **Choice B is correct.** (4.15) Count the measurements: $\frac{2}{4}$ m appears 2 times, $\frac{3}{4}$ m appears 3 times (the most!), and $\frac{4}{4}$ m appears 1 time. So $\frac{3}{4}$ m has the most X marks.
- 23) **Choice D is correct.** (4.7) Counting from the right: ones, tens, hundreds, thousands. The thousands digit is 2 \checkmark
- 24) **Choice D is correct.** (4.4) Dots in each figure: Figure 1 has 2, Figure 2 has 4, Figure 3 has 6. Each time adds 2. Figure 5 has $6 + 2 + 2 = 10$ dots.
- 25) **Choice D is correct.** (4.1) "2 times as many" = multiply by 2. Kyle collects $9 \times 2 = 18$ stickers.
- 26) **Choice C is correct.** (4.29) A regular octagon (8 equal sides) balances beautifully in eight ways. Four lines pass through opposite corners, and four pass through the middle of opposite sides. The answer is A regular octagon.



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Hi, Math Detective!

◇ You did such a great job! You finished 4 tests like a real detective. You found the clues, used your tools, and solved the math. ◇

★ **Detectives know:** good work takes time. You took your time. You looked carefully. You found the answers! ★

Your Detective Skills

- **Sharp Eyes:** You notice the small details.
- **Smart Plans:** You pick the right way to solve.
- **Brave Heart:** You try even when it's tricky.
- **Steady Work:** You finish what you start.

Detective tip: on test day, look carefully at each problem. Underline important words. Then solve like the detective you are!

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

Jay Daie

Your Math Detective Helper

PRACTICE TODAY, SUCCEED TOMORROW!

This **Grade 4 Math Practice Tests** book is the perfect tool to help students build strong math skills, master key concepts, and gain the confidence they need to excel.

With 4 full-length practice tests, a variety of question types, and detailed answer explanations, students get the review and practice they need to strengthen problem-solving skills and achieve their best.

Perfect 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.



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



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