

7

Alabama

ACAP

GRADE 4 MATH

PRACTICE TESTS

Standards-Aligned Review with
Mixed Practice and Answer Key



$$\begin{array}{r} 25 \\ +37 \\ \hline 62 \end{array}$$

$$\begin{array}{r} 8 \times 7 \\ = \\ 56 \end{array}$$



7 Full-Length
Practice Tests



Standards-
Aligned



Build Confidence
and Skills



Mixed Question
Types

**ANSWER
KEY**

INCLUDED

7 Alabama ACAP Grade 4 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



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

Jay Daie and Reza Nazari



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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.

Seven 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
Seven 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 seven 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

Table of Contents

★ Practice Test 1	_____	13
★ Practice Test 2	_____	23
★ Practice Test 3	_____	35
★ Practice Test 4	_____	47
★ Practice Test 5	_____	58
★ Practice Test 6	_____	69
★ Practice Test 7	_____	81
Practice Test Answer Keys	_____	91
Practice Test Answers and Explanations	_____	96

1) Diego draws a rectangle with a length of 6 cm and a width of 4 cm. What is the area of his rectangle?

- A. 10 sq cm C. 24 sq cm
 B. 20 sq cm D. 30 sq cm

2) Subtract: $10,000 - 4,567 = ?$



3) Line segment PQ and line segment QP are:

- A. Different segments C. Perpendicular
 B. The same segment D. Parallel

4) Eli has $2\frac{4}{10}$ meters of fabric. He buys $3\frac{5}{10}$ more meters. How much fabric does he have now?

- A. $5\frac{9}{10}$ meters C. $5\frac{8}{10}$ meters
 B. 6 meters D. $6\frac{1}{10}$ meters

5) A school buys 4 cases of pencils. Each case has 50 pencils. They distribute equally to 25 classrooms. How many pencils does each classroom get?

- A. 10 pencils C. 15 pencils
 B. 12 pencils D. 8 pencils



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6) A baker needs $\frac{7}{12}$ cup of sugar and has $\frac{3}{12}$. How much more is needed?

7) How many centimeters are in 3 meters?

A. 30

C. 3,000

B. 300

D. 30,000

8) Which ordering is correct?

A. $\frac{4}{5} > \frac{4}{6} > \frac{4}{8}$

C. $\frac{4}{5} = \frac{4}{6} = \frac{4}{8}$

B. $\frac{4}{8} > \frac{4}{6} > \frac{4}{5}$

D. $\frac{4}{6} > \frac{4}{5} > \frac{4}{8}$

9) A line plot shows leaf lengths in halves of an inch: $\frac{1}{2}$, $\frac{1}{2}$, 1, $\frac{1}{2}$, 1, 1. How many leaves measured 1 inch?

A. 1

C. 3

B. 2

D. 4

10) Which fraction can be written as $4 \times \frac{1}{5}$?

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

C. $\frac{4}{20}$

B. $\frac{1}{20}$

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

11) In the number 352,679, what is the value of the digit in the ten-thousands place?

A. 5

C. 50,000

B. 5,000

D. 500,000



1) A recipe calls for $\frac{1}{4}$ cup of sugar. If Miguel triples the recipe, how much sugar does he need?

A. $\frac{1}{12}$ cup

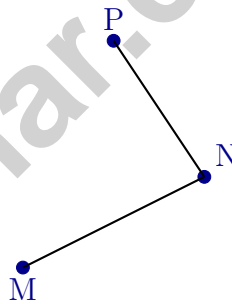
B. $\frac{1}{3}$ cup

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

D. $1\frac{1}{4}$ cups

2) Which is greater, $\frac{3}{5}$ or $\frac{1}{2}$?

3) Which points are the endpoints of segment MN in this diagram?



A. M and N

B. N and P

C. M and P

D. All three points

4) Which number sentence is false?

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

B. $\frac{6}{10} = \frac{3}{5}$

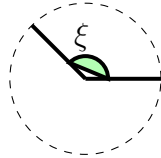
C. $\frac{3}{7} = \frac{6}{14}$

D. $\frac{2}{3} = \frac{7}{12}$



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5) Find $2\frac{3}{4} - 1\frac{1}{4}$.



6)

The shaded angle ξ is measured from the rightward ray to the upper-left ray. What is its measure?

A. 90°

C. 135°

B. 120°

D. 180°

7) Complete the comparison: $0.2 \underline{\hspace{1cm}} 0.21$

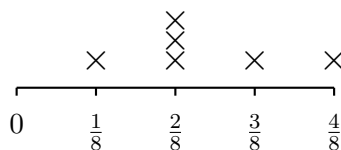
A. $>$

C. $=$

B. $<$

D. Cannot tell

8) Look at the line plot of plant growth measurements (in inches). How many X marks are above $\frac{2}{8}$ inch?



A. 1

C. 3

B. 2

D. 4



1) Compare: $\frac{3}{8}$ and $\frac{3}{10}$.

A. $\frac{3}{8} < \frac{3}{10}$

B. Cannot compare

C. $\frac{3}{8} = \frac{3}{10}$

D. $\frac{3}{8} > \frac{3}{10}$

2) A table is 2 meters long. Convert this to centimeters.

3) Which number is divisible by 5?

A. 33

B. 42

C. 55

D. 67

4) How many lines of symmetry does a non-square rectangle have?

5) How many tenths equal $\frac{20}{100}$?

A. 2 tenths

B. 20 tenths

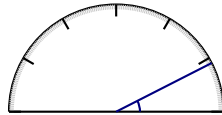
C. 200 tenths

D. 0.2 tenths



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- 6) Noah drew an angle that measures 42 degrees. How many one-degree angles does his angle contain?



7)

What is the measure of the angle shown?

- A. 25 degrees C. 30 degrees
 B. 27 degrees D. 32 degrees
- 8) A classroom has 10 desks. The hallway has 3 times as many desks. How many desks are in the hallway?
- A. 13 C. 40
 B. 20 D. 30
- 9) Which number sentence is true?
- A. $\frac{4}{6} = \frac{6}{8}$ C. $\frac{4}{10} = \frac{2}{5}$
 B. $\frac{3}{6} = \frac{4}{10}$ D. $\frac{5}{8} = \frac{10}{12}$
- 10) Which quotient and remainder is correct for $849 \div 9$?
- A. 93 r6 C. 95 r4
 B. 96 r1 D. 94 r3



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 C is correct.** (4.23) Multiply length by width: $6 \times 4 = 24$ sq cm.
- The correct answer is 5,433.** (4.10) Subtracting from 10,000 chains a regrouping all the way across. Borrow from the ten-thousands ($1 \rightarrow 0$); the three middle zeros become 9s and the ones becomes 10. Now: $10 - 7 = 3$, $9 - 6 = 3$, $9 - 5 = 4$, $9 - 4 = 5$, $0 - 0 = 0$. Result: **5,433**. ✓
- Choice B is correct.** (4.27) Whether you call it segment PQ or segment QP , you're describing the exact same straight path between the two points. The order doesn't matter.
- Choice A is correct.** (4.15) Add the wholes: $2 + 3 = 5$. Add the fractions: $\frac{4}{10} + \frac{5}{10} = \frac{9}{10}$. The total is **$5\frac{9}{10}$** meters.
- Choice D is correct.** (4.3) Two steps! Step 1: total pencils: 4 cases \times 50 pencils = 200. Step 2: share equally among 25 classrooms: $200 \div 25 = 8$ pencils each.
- The correct answer is $\frac{1}{3}$.** (4.15) The baker needs $\frac{7}{12}$ cup and has $\frac{3}{12}$. What's needed: $7 - 3 = 4$ twelfths more, or $\frac{4}{12}$ (which simplifies to $\frac{1}{3}$).
- Choice B is correct.** (4.21) Since 1 meter = 100 centimeters, multiply: $3 \times 100 = 300$ cm. The answer is **300** cm.
- Choice A is correct.** (4.13) All have numerator 4. Larger denominators give smaller pieces: fifths $>$ sixths $>$ eighths. So $\frac{4}{5} > \frac{4}{6} > \frac{4}{8}$.
- Choice C is correct.** (4.15) Count how many leaves measured 1 inch (which is the same as $\frac{2}{2}$ inch). We find **3** leaves with this length.
- Choice A is correct.** (4.16) Four fifths: $4 \times \frac{1}{5} = \frac{4}{5}$.
- Choice C is correct.** (4.7) The ten-thousands place contains the digit 5. Its value: $5 \times 10,000 = 50,000$ ✓
- Choice D is correct.** (4.13) Multiply both top and bottom by 3: $\frac{2}{5} = \frac{2 \times 3}{5 \times 3} = \frac{6}{15}$.
- Choice D is correct.** (4.6) In 7,707: the 7 in the hundreds place is worth 700, and the 7 in the ones place is worth 7. The ratio is $700 \div 7 = 100$ times. ✓
- Choice C is correct.** (4.24) Since Noah's angle has 110 one-degree angles, it measures **110°** .
- Choice B is correct.** (4.16) Lily reads $\frac{1}{3}$ of the book each day for 2 days. Multiply: $2 \times \frac{1}{3} = \frac{2 \times 1}{3} = \frac{2}{3}$ of the book. The answer is $\frac{2}{3}$ of the book.
- Choice C is correct.** (4.24) A three-quarter turn is $\frac{3}{4}$ of the full circle: $\frac{3}{4} \times 360^\circ = 270^\circ$.
- Choice C is correct.** (4.15) Option C: $8 + 3 = 11$, not 12. So $\frac{8}{10} + \frac{3}{10} = \frac{11}{10} \neq \frac{12}{10}$. C is the wrong one ✓.
- The correct answer is A, C.** (4.28) For statements about right triangles: Statement A is correct because a right triangle has exactly one angle measuring 90 degrees. Statement C is also correct because besides the 90-degree angle, the other two angles must be acute (less than 90 degrees). Statement B is false (right triangles do not have all angles less than 90). Statement D is false (right triangles have one 90-degree angle, not angles greater than 90). Statement E is false (triangles have three angles total, but only one is 90 degrees in a right triangle). The answer is A and C.
- Choice B is correct.** (4.16) Three marbles, each weighing $\frac{2}{6}$ ounce, give us $3 \times \frac{2}{6} = \frac{6}{6} = 1$ ounce.
- The correct answer is 35,000.** (4.9) We're rounding to the nearest thousand. The hundreds digit is $7 \geq 5$, so round UP from 34,000 to **35,000**. ✓
- Choice C is correct.** (4.4) Divisibility rule for 10: the last digit must be exactly 0. Only 70 ends in 0, so $70 \div 10 = 7$.
- Choice B is correct.** (4.25) The ray points to the 15° mark. Since 15° is very close to 0° and less than 90° , this is a small acute angle. The answer is **15** degrees.
- Choice D is correct.** (4.1) "4 times as many" is a multiplication signal. The friend collects 4 groups of Greyson's 8 cards: $8 \times 4 = 32$ cards.
- Choice D is correct.** (4.11) Break down by tens and ones: $11 \times (30 + 2) = 330 + 22 = 352$ marbles.
- Choice A is correct.** (4.15) In the fraction bar, we have 4 shaded parts out of 6 equal parts. Each piece is a unit fraction $\frac{1}{6}$. So we have $\frac{4}{6} = \frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6}$.

$\underbrace{\hspace{10em}}_{4 \text{ copies}}$



Hi, Hero!

◇ Once there was a Grade 4 student who took 7 practice tests. At first, the math was tricky. But this student kept showing up, kept trying, and kept learning. By the end, the student became a math hero. That hero is you! ◇

★ **Storytellers know:** every story has a hard middle. The hard middle is where heroes grow. You lived your hard middle. Your story ends with confidence! ★

Your Hero Toolkit

- **Brave Heart:** You try hard problems.
- **Sharp Mind:** You think carefully before you act.
- **Steady Hand:** You write neatly and check.
- **Kind Spirit:** You are patient with yourself.

Storyteller tip: on test day, remember the hero you became. The chapters before today made you stronger. Now write your best chapter!

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

Jay Daie

Your Math Storyteller

7 FULL-LENGTH TESTS TO MASTER GRADE 4 MATH!

This **Grade 4 Math Practice Tests** book provides the practice your child needs to build strong math skills, understand key concepts, and gain the confidence to succeed on every test.

With 7 full-length practice tests, a wide range of question types, and detailed answer explanations, students will improve accuracy, strengthen problem-solving abilities, and prepare for classroom success and beyond.



PERFECT FOR:

- ✓ Classroom Practice
- ✓ Homework & Review
- ✓ Independent Learning
- ✓ Test Preparation
- ✓ Confidence Building
- ✓ Skill Reinforcement

★ 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.



Academic Success

Strengthen skills needed for future learning.

$$\begin{array}{r} 45 \\ -17 \\ \hline 28 \end{array}$$



$$7 \times 8 = 56$$

TOPICS COVERED

- ✓ Place Value & Number Sense
- ✓ Multi-Digit Addition & Subtraction
- ✓ Multiplication & Division
- ✓ Fractions & Equivalent Fractions
- ✓ Decimals & Comparing Numbers
- ✓ Geometry & Shapes
- ✓ Measurement & Data
- ✓ Perimeter & Area
- ✓ Word Problems
- ✓ Patterns & Algebraic Thinking
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- ✓ And More!



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Mixed Question Types



Answer Key Included