

3

Alabama

ACAP

GRADE 3

MATH

PRACTICE TESTS

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Standards-Aligned
Practice for Stronger
Math Skills and
Test Readiness



Build Confidence
with Targeted Practice



Strengthen Skills
in Key Math Concepts



Improve Test Readiness
with Realistic Practice

Be Ready.
Do Your Best!



3 Alabama ACAP Grade 3 Math Practice Tests

Standards-Aligned Practice for Stronger Math Skills and Test Readiness



Three 30-question trail tests packed with Grade 3 review, Alabama ACAP strategy tips, answer keys, and step-by-step explanations that turn every miss into the next move.

Jay Daie and Reza Nazari



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Welcome to the Alabama Math Trail

Three tests, one trail, and a stronger Grade 3 thinker at the end



To the Grade 3 Trail Scout

This book is your practice trail for the Alabama ACAP. You will multiply and divide, read graphs, work with fractions, measure time, find area, and explain your thinking – one trail marker at a time.

Some problems will feel quick, like a clear stretch through longleaf pines. Some will ask you to slow down, draw, count, or try again. That slow part is where strong math grows. Every page gives your brain another chance to spot, choose, and build.

Spot

Read carefully and find what the problem is really asking.

Sketch

Use numbers, arrays, number lines, or labels to make your thinking visible.

Signal

Check that your answer makes sense before you wave the next question on.

Trail promise: I will read like a tracker, sketch like a planner, and check like a careful scout. I do not have to be perfect to keep moving forward.

How to Use This Book

A four-step trail plan that turns practice into progress

Step 1: Pack Your Pack

Read the Quick Review first.

Wake up the Grade 3 ideas you will need before you set foot on the trail.

Step 2: Hit the Trail

Take one full test.

Thirty questions. Pencil sharp, work shown, calm pace – one marker at a time.

Step 3: Campfire Check

Check answers honestly.

Circle missed questions. Star any problem that felt confusing – those are tomorrow’s clues.

Step 4: Track Back

Fix a few mistakes.

Read the explanation, rework the problem, and carry that lesson up the next stretch of trail.

A Three-Week Trail Plan

| | |
|---------------|---|
| Week 1 | Hike Test 1. Map what feels strong and what needs a second look. |
| Week 2 | Hike Test 2. Sharpen the habits: read slow, sketch the model, label every number. |
| Week 3 | Hike Test 3. Bring everything – facts, models, checks, and calm focus. |

Best trail habit: Do not only ask, “What did I score?” Ask, “What did I learn how to do better?”



Test Overview

What waits on the trail and what each practice test builds

Each practice test has 30 questions. Together they walk you through the kind of math thinking the Alabama ACAP asks Grade 3 students to use: read carefully, choose a strategy, show work, and check whether an answer makes sense.

Selected-Response Questions

Pick the best answer from the choices. Strong scouts estimate first, cross out answers that cannot be right, and reread the question before circling.

Open-Ended Questions

Write the answer and show the thinking. A clear response uses neat numbers, helpful labels, and a short model or explanation.

Grade 3 Ideas You Will Meet on the Trail

- multiplication, division, arrays, equal groups, and fact fluency
- rounding, adding, subtracting, and multiplying by multiples of 10
- fractions, number lines, equivalent fractions, and comparing fractions
- time, mass, liquid volume, picture graphs, bar graphs, and line plots
- area, perimeter, unit squares, rectangles, and shapes
- two-step word problems and explaining a solution path

What strong ACAP work looks like: the scout reads the whole problem, picks a sensible strategy, writes numbers neatly, labels the answer, and checks that the answer truly fits the question.



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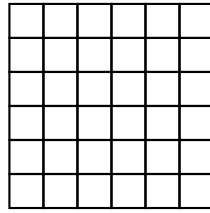
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1) Lily divides two number lines. One is divided into halves and another is divided into fourths. How many more fourths than halves are there in the same interval?

- A. 2 more
 B. 1 more
 C. The same
 D. 2 fewer

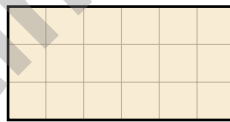
2) Maya is laying square tiles on her kitchen floor. The floor is shaped like a large square with 6 tiles along one edge. Here is the layout:



How many square tiles cover the entire floor?

- A. 12 tiles
 B. 24 tiles
 C. 36 tiles
 D. 48 tiles

3) This grid shows a shape made of unit squares.



The area is how many square units?

- A. 18 sq units
 B. 15 sq units
 C. 9 sq units
 D. 20 sq units



8) Which pair of fractions is equivalent?

- A. $\frac{1}{3}$ and $\frac{1}{4}$
 B. $\frac{2}{8}$ and $\frac{3}{6}$

- C. $\frac{1}{2}$ and $\frac{3}{6}$
 D. $\frac{2}{3}$ and $\frac{2}{6}$

Addition

9)

| Hundreds | Tens | Ones |
|----------|------|------|
| 4 | 7 | 8 |
| + | + | + |
| 2 | 5 | 4 |

Using the place-value chart, what is $478 + 254$?

- A. 722
 B. 742

- C. 832
 D. 732

10) Which fraction is EQUAL to $\frac{1}{2}$ on a number line with 6 equal parts?



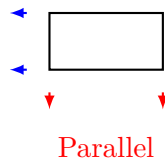
- A. $\frac{2}{6}$
 B. $\frac{3}{6}$

- C. $\frac{4}{6}$
 D. $\frac{5}{6}$

11) Two fraction bars are shown. Bar 1 shows $\frac{2}{3}$ shaded. Bar 2 shows $\frac{4}{6}$ shaded. The shaded regions are the same size. Which statement is true?

- A. $\frac{2}{3} < \frac{4}{6}$
 B. $\frac{2}{3} > \frac{4}{6}$

- C. $\frac{2}{3} = \frac{4}{6}$
 D. Cannot be compared



1)

Which statement about parallel sides is true?

- | | |
|--|---|
| <input type="checkbox"/> A. All triangles have parallel sides | <input type="checkbox"/> C. No quadrilaterals have parallel sides |
| <input type="checkbox"/> B. All rectangles have parallel sides | <input type="checkbox"/> D. Only circles have parallel sides |



2)

A rectangular notebook is 5 centimeters wide and 6 centimeters tall. Find the area.

- | | |
|--------------------------------------|--------------------------------------|
| <input type="checkbox"/> A. 11 sq cm | <input type="checkbox"/> C. 22 sq cm |
| <input type="checkbox"/> B. 30 sq cm | <input type="checkbox"/> D. 60 sq cm |

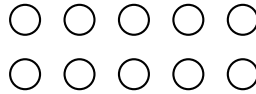
3) A candy bar is divided into 2 equal pieces. You eat one piece. What fraction of the candy bar do you eat?

- | | |
|---|---|
| <input type="checkbox"/> A. $\frac{1}{3}$ | <input type="checkbox"/> C. $\frac{1}{2}$ |
| <input type="checkbox"/> B. $\frac{2}{2}$ | <input type="checkbox"/> D. $\frac{2}{1}$ |



4) Which strategy would be MOST efficient for computing $405 - 189$?

- A. Use the standard algorithm with regrouping across a zero
 C. Count up from 189 to 405 on a number line
 B. Decompose both numbers by place value and subtract each part
 D. Round both numbers and subtract the rounded amounts



5)

What multiplication does this show?

- A. $2 \times 10 = 20$
 C. $3 \times 5 = 15$
 B. $5 \times 5 = 25$
 D. $2 \times 5 = 10$

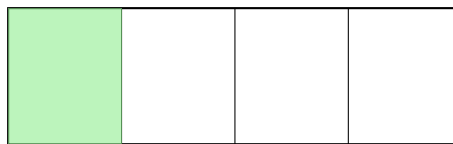
6) A toy costs \$5. Two toys cost \$10. Three toys cost \$15. Four toys cost \$20. How much do 5 toys cost?

- A. \$24
 C. \$26
 B. \$30
 D. \$25

7) Noah has 28 flowers. He puts them equally into 4 vases. How many flowers are in each vase?

- A. 6
 C. 24
 B. 32
 D. 7

8) A rectangle is divided into 4 equal columns. Mia shades 1 column. What fraction of the rectangle does she shade?



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

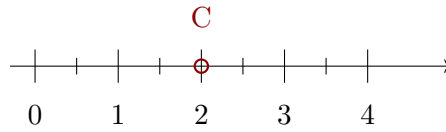


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1) Lily has one whole cake. Which fraction is this?

- A. $\frac{1}{4}$
 B. $\frac{4}{1}$

- C. $\frac{1}{1}$
 D. $\frac{4}{5}$



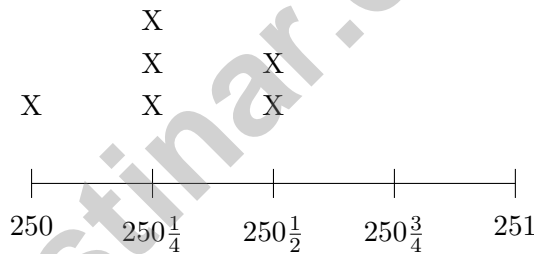
2)

The number line from 0 to 4 is split into halves. Point *C* is at 2. How many halves is that?

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

- C. $\frac{1}{2}$
 D. $\frac{2}{2}$

3) Lily's line plot shows water bottle volumes in milliliters: 250 , $250\frac{1}{4}$, $250\frac{1}{2}$, $250\frac{3}{4}$, 251 (using quarters).



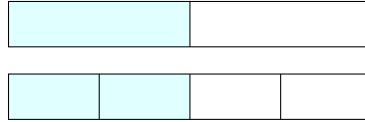
How many bottles have a volume of $250\frac{1}{4}$ milliliters?

- A. 1
 B. 2

- C. 3
 D. 4



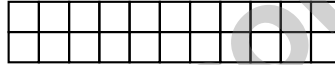
- 4) Two identical length strips. Strip P has 2 equal parts with 1 shaded. Strip Q has 4 equal parts with 2 shaded. Which statement is correct?



Strip P: $\frac{1}{2}$

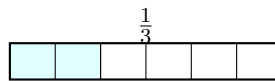
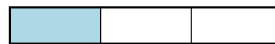
Strip Q: $\frac{2}{4}$

- A. Strip Q has more.
 B. Strip P has more.
 C. They shade the same amount.
 D. Cannot be compared.
- 5) Here is a long thin rectangle made of unit squares:



Count the unit squares. What is the area?

- A. 11 sq units (just one row)
 B. 13 sq units
 C. 22 sq units
 D. 44 sq units
- 6) Lily has a tile that is 6 centimeters by 6 centimeters. What is the area of Lily's tile?
- A. 12 square centimeters
 B. 24 square centimeters
 C. 30 square centimeters
 D. 36 square centimeters
- 7) Look at the fraction bars. Which fraction is equivalent to $\frac{1}{3}$?



?

- A. $\frac{1}{4}$
 B. $\frac{2}{6}$
 C. $\frac{2}{4}$
 D. $\frac{1}{2}$



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Practice Test Answer Keys

How to use this section with a Grade 3 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 builds stronger math habits.

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Practice Test Answers and Explanations

Practice Test 1 Answers and Explanations

- 1) **Choice A is correct.** (3.12) There are 2 halves in the interval, but 4 fourths. So $4 - 2 = 2$ more fourths.
- 2) **Choice C is correct.** (3.20) Count the rows: 6 rows. Count down: 6 tiles in each row. Total: $6 + 6 + 6 + 6 + 6 + 6 = 36$ square tiles.
- 3) **Choice A is correct.** (3.21) $6 \times 3 = 18$ unit squares.
- 4) **Choice C is correct.** (3.20) Count the X's directly above the 11-inch mark. There are three X's stacked there.
- 5) **Choice C is correct.** (3.9) Add 7 each time: $42 + 7 = 49$. Multiples of 7 always increase by 7.
- 6) **Choice C is correct.** (3.16) Rio: $8 \times 3 = 24$. Alex: $5 \times 3 = 15$. Fewer: $24 - 15 = 9$.
- 7) **Choice B is correct.** (3.15) The dot is positioned at the third quarter mark on the number line, which is $\frac{3}{4}$. This is greater than $\frac{1}{2}$.
- 8) **Choice C is correct.** (3.15) $\frac{1}{2}$ and $\frac{3}{6}$ both equal half of a whole.
- 9) **Choice D is correct.** (3.11) Ones: $8 + 4 = 12$ (write 2, carry 1). Tens: $7 + 5 + 1 = 13$ (write 3, carry 1). Hundreds: $4 + 2 + 1 = 7$. Answer: 732.
- 10) **Choice B is correct.** (3.14) $\frac{3}{6}$ and $\frac{1}{2}$ mark the same point: the middle of the line.
- 11) **Choice C is correct.** (3.15) Two fractions are equivalent if they represent the same-size region. Since both shaded regions are equal, $\frac{2}{3} = \frac{4}{6}$.
- 12) **The correct answer is 240.** (3.12) $3 \times 8 = 24$, then add one zero to get 240: $3 \times 80 = 240$.
- 13) **Choice A is correct.** (3.24) A square has 4 equal sides. $20 \div 4 = 5$ ft per side.
- 14) **The correct answer is $\frac{3}{1}$.** (3.15) $3 = \frac{3}{1}$.
- 15) **Choices A and C are correct.** (3.18) 45 minutes after 3 : 00 PM is 3 : 45 PM, so choices A and C match. Choice B is 4 : 15 PM, choice D is in the morning, and choice E is 4 : 05 PM.
- 16) **Choice C is correct.** (3.10) The point is closer to 50 than to 40. Numbers from 45 to 49 round to 50.
- 17) **Choice D is correct.** (3.5) $3 \times 2 = 6$ and $3 \times 1 = 3$, so $6 + 3 = 9$. Also $3 \times 3 = 9$.
- 18) **Choice C is correct.** (3.7) $9 \times 8 = 72$. Think $9 \times 8 = 9 \times (10 - 2) = 90 - 18 = 72$.
- 19) **The correct answer is trapezoid.** (3.26) There are many quadrilaterals beyond rectangles, squares, and rhombuses. A trapezoid (with one pair of parallel sides) is one example. Students may also draw an irregular quadrilateral with no parallel sides.
- 20) **Choice D is correct.** (3.2) 6 benches with 5 people each means 6 groups of 5. So $6 \times 5 = 30$ people.
- 21) **Choice B is correct.** (3.13) Rectangle B has 2 lines that divide it into 3 equal parts. Rectangles A and C have unequal spacing.
- 22) **Choice A is correct.** (3.6) $24 \div 6 = \square$ means $\square \times 6 = 24$. Since $4 \times 6 = 24$, each friend gets 4 crackers. We use a multiplication fact to solve the division problem.
- 23) **Choice D is correct.** (3.3) Multiply: 8 bags \times 3 candies per bag = 24 candies.
- 24) **Choice A is correct.** (3.15) Multiply numerator and denominator by 2: $\frac{1 \times 2}{3 \times 2} = \frac{2}{6}$. Both bars show the same shaded length.
- 25) **Choice C is correct.** (3.19) Convert to mL: Monday = 2000 mL, Tuesday = 1500 mL, Wednesday = 2500 mL. Wednesday is most.
- 26) **Choice B is correct.** (3.23) Multiply length by width: $9 \times 2 = 18$ square feet.
- 27) **Choice D is correct.** (3.4) Use the inverse: $9 \times 6 = 54$, so $54 \div 6 = 9$.
- 28) **Choice A is correct.** (3.8) Step 1: Subtract donated: $75 - 15 = 60$ figures. Step 2: Divide into boxes: $60 \div 12 = 5$ figures per box. (Choice D is step 1 only.)
- 29) **Choice B is correct.** (3.20) Area = length \times width = $6 \times 4 = 24$ square meters. Choice A (10) is the sum; C (20) is 4×5 miscomputation; D (12) is 6×2 .
- 30) **Choice A is correct.** (3.22) Area = $8 \times 3 = 24$ square feet.



Hi, Brave Explorer!

◇ What a trip! You explored 3 full tests. You went to many math places: multiplication, fractions, area, time, and more. ◇

★ **Smart explorers know:** every trip teaches something. Through 3 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

3 GRADE 3 MATH PRACTICE TESTS

Practice Today. *Succeed* Tomorrow!



Give your child the tools to build strong math skills and test confidence!

This book includes 3 full-length Grade 3 Math practice tests that mirror real test formats and cover all key math standards. With a wide range of question types and real-world problems, students will gain the practice and confidence they need to do their best!

What's Inside?



Standards-Aligned Practice

Questions designed to cover essential Grade 3 math standards.



Variety of Question Types

Multiple-choice, short answer, and more to build well-rounded skills.



Real-World Applications

Engaging problems that connect math to everyday life.



Step-by-Step Progress

Track improvement and build confidence with every test.



Build Skills & Boost Confidence

Strengthen understanding and feel prepared for test day.

COVERS ALL ESSENTIAL TOPICS

- ✓ Whole Numbers & Operations
- ✓ Fractions & Decimals
- ✓ Algebraic Thinking
- ✓ Geometry
- ✓ Measurement & Data
- ✓ Number Patterns
- ✓ Word Problems
- ✓ Ratio & Proportion
- ✓ Perimeter, Area & Volume
- ✓ Graphing & Data Analysis
- ✓ And More!



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