

+ =

# 10 Alabama ACAP



GRADE 3

MATH

PRACTICE TESTS

✓ Complete Standards Review

✓ Skill Practice

✓ Word Problems  
and Answer Key

$2 \times 7 + 4$



★ ★ ★  
PREPARE  
PRACTICE  
SUCCEED!  
★ ★ ★



Aligned to  
Grade 3 Math  
Standards



Build Confidence  
and Master  
Math Skills



Test-Taking  
Practice for  
Success



Answer Key  
for Easy  
Review

# 10 Alabama ACAP Grade 3 Math Practice Tests

*Standards-Aligned Review with Mixed Practice and Answer Key*



Ten complete 30-question Grade 3 practice rounds with operations, fractions, measurement, data, geometry, answer keys, and clear explanations for every item.

**Jay Daie and Reza Nazari**



# Copyright ©

**Testinar Inc**



Published by Testinar Inc

[Testinar.com](http://Testinar.com)

All rights reserved. No part of this publication may be reproduced, distributed, or transmitted in any form or by any means, including photocopying, recording, or other electronic or mechanical methods, without the prior written permission of the author, except in the case of brief quotations embodied in critical reviews and certain other noncommercial uses permitted by copyright law, including Section 107 or 108 of the 1976 United States Copyright Act.

This publication is independently produced and has no official connection to any state, district, or national testing program.

Test names and organizational names used herein are the property of their respective trademark holders.



*Copyright ©*

# Welcome, Alabama Math Explorer!

Ten steady rounds for brave, careful thinking

This book gives you ten full Grade 3 practice tests. Each one is a chance to read closely, choose a smart strategy, show your work, and check whether your answer makes sense.

## Your Alabama Practice Promise

I will slow down for the question, circle what matters, solve one step at a time, and use mistakes as clues for getting stronger.

Read

Plan

Check

## How to Use This Book

A ten-session routine for clear, confident review

1. **Preview the skills.** Read the quick review pages before the first test.
2. **Take one test at a time.** Work in a quiet place and answer all 30 questions.
3. **Mark your confidence.** Put a small star beside problems you solved with a strong plan.
4. **Check, then retry.** For missed questions, try the problem again before reading the explanation.
5. **Track your next move.** Use the growth log to name one habit and one skill for the next test.

**Good rhythm:** Test one day, correct carefully the next day, then return for the next round when your corrections feel clear.



## What Is Inside?

Ten tests, 300 questions, and a full review path

Part	What You Will Practice
Tests 1–3	Warm-up rounds for reading carefully, choosing operations, and using models.
Tests 4–6	Skill-building rounds with fractions, measurement, area, data, and two-step problems.
Tests 7–9	Stamina rounds for mixed review, neat work, and flexible strategies.
Test 10	Final round to show growth across the whole book.
Answer Pages	Compact keys and explanations that show why each answer works.

The tests are mixed on purpose. Real test readiness means recognizing the skill even when the next question changes topic.

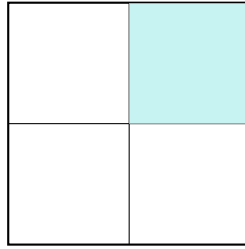


Scan me!  
For more practice  
& answers

# Table of Contents

★ Practice Test 1	_____	14
★ Practice Test 2	_____	26
★ Practice Test 3	_____	39
★ Practice Test 4	_____	50
★ Practice Test 5	_____	62
★ Practice Test 6	_____	74
★ Practice Test 7	_____	85
★ Practice Test 8	_____	97
★ Practice Test 9	_____	108
★ Practice Test 10	_____	121
<b>Practice Test Answer Keys</b>	_____	<b>132</b>
<b>Practice Test Answers and Explanations</b>	_____	<b>138</b>

1) A rectangle is divided with 1 horizontal and 1 vertical line making 4 equal parts.



One part is shaded. What fraction is shaded?

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

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

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

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

2) Which equation is false?

A.  $6 \times (10 + 1) = (6 \times 10) + (6 \times 1) = 60 + 6 = 66$

C.  $3 \times (7 + 1) = (3 \times 7) + (3 \times 1) = 21 + 3 = 24$

B.  $4 \times (5 + 2) = (4 \times 5) + (4 \times 2) = 20 + 8 = 28$

D.  $5 \times (6 + 3) = 5 \times 6 - 5 \times 3 = 30 - 15 = 15$

3) What is  $32 \div 4$ ?

A. 6

C. 8

B. 7

D. 9

4) A rectangle is 6 units long and 4 units wide. What is its area in square units?

A. 20 sq units

C. 26 sq units

B. 24 sq units

D. 30 sq units



5) Eli buys 4 boxes of pens. Each box has 8 pens. How many pens does Eli buy in total?

A. 12

C. 24

B. 28

D. 32

6) A bar graph shows coins saved by students. Pilar has 6 units (scale: 5 coins per unit), Quinn has 4 units (scale: 5 coins per unit). How many more coins did Pilar save?

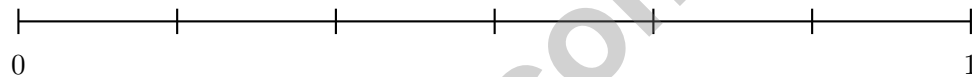
A. 2 coins

C. 10 coins

B. 6 coins

D. 50 coins

7) On this number line, mark the position of  $\frac{1}{6}$  from 0 to 1.



A. At the first tick

C. At the fourth tick

B. At the third tick

D. At the fifth tick

8) Noah measures the mass of three books. The first weighs 300 g, the second weighs 400 g, and the third weighs 350 g. If he carries all three books, what is the total mass in grams?

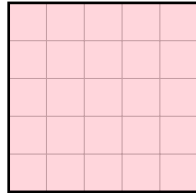


Scan me!  
For more practice  
& answers

9) A square is 8 units on each side. A rectangle is 4 units by 16 units. Compare their areas. Which statement is true?

- A. The square has more area       C. They have exactly the same area  
 B. The rectangle has more area       D. The square is longer

10) This rectangle on a grid has how many unit squares?



- A. 20 sq units       C. 30 sq units  
 B. 25 sq units       D. 35 sq units

11) Mia tiles a square with 8 rows and 8 columns of unit squares. What is the area of her square in square units?



1) Two numbers round to 300 when rounded to the nearest 100. Which pair could they be?

A. 250 and 350

C. 251 and 349

B. 249 and 299

D. 350 and 400

2) Which shape has 4 equal sides and 4 right angles?

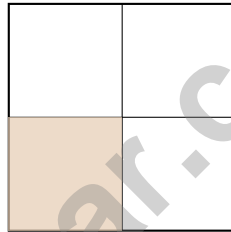
A. Rectangle

C. Square

B. Rhombus

D. Trapezoid

3) A square chocolate bar is divided equally into 4 parts. Ben eats  $\frac{1}{4}$  of the bar. How many parts does Ben eat?



A. 1 part

C. 3 parts

B. 2 parts

D. 4 parts

4) A bottle holds 2000 milliliters of juice. A glass holds about 250 milliliters. Which is the BEST estimate of how many glasses can be filled from the bottle?

A. 2

C. 8

B. 4

D. 12



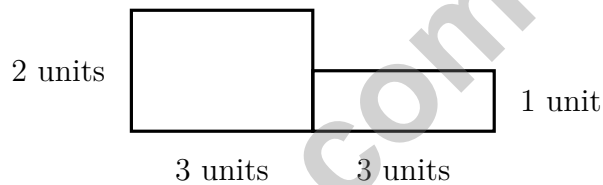
5) Noah has 24 pencils to put in 3 boxes equally. How many pencils go in each box?

- A. 6 pencils                       C. 8 pencils  
 B. 7 pencils                       D. 9 pencils

6) A rectangular mirror is 6 inches wide and 9 inches tall. How much area does the mirror cover?

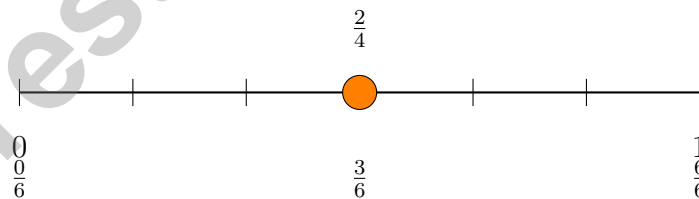
- A. 30 sq in                       C. 54 sq in  
 B. 108 sq in                       D. 15 sq in

7) A composite shape is made by joining two rectangles. What is the total area?



- A. 6 sq units                       C. 12 sq units  
 B. 9 sq units                       D. 15 sq units

8) Look at the number line. Which fraction equals  $\frac{2}{4}$ ?



- A.  $\frac{1}{4}$                                    C.  $\frac{3}{4}$   
 B.  $\frac{3}{6}$                                    D.  $\frac{3}{8}$



Scan me!  
For more practice  
& answers

1) Which pair of equations shows the commutative property with 3, 4, and 12?

- A.  $3 + 4 = 7$  and  $4 + 3 = 7$ 
 C.  $12 - 3 = 9$  and  $12 - 4 = 8$   
 B.  $3 \times 3 = 9$  and  $4 \times 3 = 12$ 
 D.  $3 \times 4 = 12$  and  $4 \times 3 = 12$

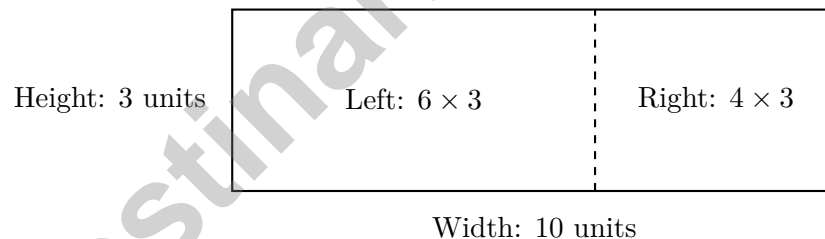
### Vertical Algorithm

	Hundreds	Tens	Ones
2)	5	4	0
	–	–	–
	1	8	6

Using the place-value chart, what is  $540 - 186$ ?

- A. 354
  C. 355  
 B. 365
  D. 366

3) A rectangle is broken into two parts by a line:



Which sum of the two smaller areas gives the total area?

- A.  $3 \times (6 + 4) = 30$ 
 C.  $10 + 3 = 13$   
 B.  $(3 \times 6) + (3 \times 4) = 18 + 12 = 30$ 
 D.  $6 + 4 = 10$



Scan me!  
For more practice  
& answers

- 4) Look at the fact family:  $4 \times 8 = 32$ ,  $8 \times 4 = 32$ ,  $32 \div 4 = 8$ , and  $32 \div 8 = 4$ . If you know that  $4 \times 8 = 32$ , what is  $32 \div 8$ ?

- 5) What do all quadrilaterals have in common?

- A. They all have right angles       C. They all have parallel sides  
 B. They all have equal sides       D. They all have 4 sides

- 6) A number line from 0 to 1 has tick marks that divide it into equal parts. There are 5 tick marks total (counting 0 and 1). How many equal parts are there?

- A. 3       C. 5  
 B. 4       D. 6

- 7) Find  $36 \div 4$ . (Hint: What times 4 equals 36?)

- 8) Noah lists products of 3: 3, 6, 9, 12, 15, 18, 21, 24.

Which property explains why each product increases by 3?

- A. Because 3 is odd       D. Because we multiply 3 by 1, then  
 B. Because 3 is in the ones place      2, then 3, then 4, etc.  
 C. Because these numbers are less than

30



## 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 turns every missed item into useful practice.**

Testinar.com



## Practice Test Answers and Explanations

### Practice Test 1 Answers and Explanations

- 1) **Choice C is correct.** (3.13) One part out of four equal parts is  $\frac{1}{4}$ .
- 2) **Choice D is correct.** (3.20) The distributive property uses addition:  $5 \times (6 + 3) = (5 \times 6) + (5 \times 3) = 30 + 15 = 45$ , not subtraction.
- 3) **Choice C is correct.** (3.7)  $32 \div 4 = 8$  because  $8 \times 4 = 32$ . You need 4 groups with 8 in each group.
- 4) **Choice B is correct.** (3.20) Cover it with rows of unit squares:  $6 \times 4 = 24$  square units.
- 5) **Choice D is correct.** (3.3) Multiply: 4 boxes  $\times$  8 pens per box = 32 pens.
- 6) **Choice C is correct.** (3.16) Pilar:  $6 \times 5 = 30$  coins. Quinn:  $4 \times 5 = 20$  coins. Difference:  $30 - 20 = 10$  coins.
- 7) **Choice A is correct.** (3.14)  $\frac{1}{6}$  means one part out of six equal parts, which is at the first tick mark from 0.
- 8) **The correct answer is 1050 g.** (3.19) Add:  $300 + 400 + 350 = 1050$  g.
- 9) **Choice C is correct.** (3.23) Square:  $8 \times 8 = 64$  square units. Rectangle:  $4 \times 16 = 64$  square units. Many different shapes can have the same area.
- 10) **Choice B is correct.** (3.21) This is a square:  $5 \times 5 = 25$  unit squares.
- 11) **The correct answer is 64 square units.** (3.20)  $8 \times 8 = 64$  square units. Perfect square.
- 12) **Choice B is correct.** (3.20) Count the X's directly above the 4-inch mark. There are three X's stacked there.
- 13) **Choice B is correct.** (3.26) A rectangle has 4 vertices where the sides meet at corners. A circle has no vertices because it has no straight sides or corners.
- 14) **Choice B is correct.** (3.21)  $2 \times 4 = 8$  unit squares. Option A is 6, C is 4, D is 9.
- 15) **Choices B and C are correct.** (3.10) Numbers from 75 to 84 round to 80 when rounded to the nearest 10. Choice A (74) has ones digit  $4 < 5$ , so it rounds to 70. Choice B (76) has ones digit  $6 \geq 5$ , so it rounds to 80. Choice C (84) has ones digit  $4 < 5$ , so it rounds to 80. Choice D (85) has ones digit  $5 \geq 5$ , so it rounds to 90. Choice E (91) has ones digit  $1 < 5$ , so it rounds to 90.
- 16) **Choice D is correct.** (3.12)  $4 \times 20 = 4 \times (2 \times 10) = (4 \times 2) \times 10 = 8 \times 10 = 80$ . This uses associative property: you break 20 into  $2 \times 10$ , multiply the single digits first, then multiply by 10.
- 17) **The correct answer is  $\frac{1}{6}$ .** (3.2) One of 6 equal parts is  $\frac{1}{6}$ .
- 18) **Choice D is correct.** (3.2)  $12 \div 3$  asks "how many in each group when 12 items are shared equally among 3 groups?" Each group gets 4 items.
- 19) **Choice D is correct.** (3.15)  $\frac{2}{4} = \frac{1}{2}$  because both represent one-half of their respective bars.
- 20) **Choice B is correct.** (3.15) 10 halves  $\div$  2 halves per whole =  $10 \div 2 = 5$  wholes.
- 21) **Choice B is correct.** (3.23) Bottom:  $7 \times 3 = 21$  sq ft. Top:  $3 \times 2 = 6$  sq ft. Total:  $21 + 6 = 27$  sq ft.
- 22) **Choice B is correct.** (3.22) The square has side length 4. Area =  $4 \times 4 = 16$  square units.
- 23) **Choice C is correct.** (3.8) Step 1: Total money:  $15 + 20 = 35$  dollars. Step 2: Subtract spent:  $35 - 18 = 17$  dollars left.
- 24) **Choice D is correct.** (3.2) 6 anthills with 9 ants each means 6 groups of 9. So  $6 \times 9 = 54$  ants.
- 25) **Choice A is correct.** (3.11) Ones:  $0 - 5$  requires regrouping, so  $10 - 5 = 5$ . Tens:  $4 - 2 = 2$ . Hundreds:  $7 - 3 = 4$ . Answer: 425.
- 26) **Choice A is correct.** (3.15) Both pies show the same shaded amount.  $\frac{2}{3}$  and  $\frac{4}{6}$  are equivalent.
- 27) **Choice D is correct.** (3.20) Area = length  $\times$  width =  $8 \times 7 = 56$  square inches.
- 28) **Choice D is correct.** (3.6) A complete fact family has two multiplication facts and two division facts. All four link the same three numbers.
- 29) **Choice D is correct.** (3.5) Since 9 groups of 4 is one group of 4 less than 10 groups of 4,  $9 \times 4 = 10 \times 4 - 1 \times 4 = 40 - 4 = 36$ .
- 30) **Choice D is correct.** (3.18)  $7 : 33 + 3$  hours =  $10 : 33$ . Then  $10 : 33 + 17$  min =  $10 : 50$  AM.

### Practice Test 2 Answers and Explanations



A Note From Your Math Friend

Hi, Math Star!

◇ Wow! You finished 10 full practice tests. That is a LOT of math problems. You worked hard, and your brain got stronger every time. ◇

★ **Here is a big idea:** mistakes are okay! Every time you got something wrong, you got smarter. Through 10 tests, you learned that trying is the most important thing. ★

**Look What You Did!**

- **Hard Worker:** You did not give up!
- **Smart Thinker:** You used your math tools.
- **Brave Learner:** You tried hard problems.
- **Test Ready:** You feel proud and prepared.

**Big tip for test day:** take your time. Read each problem twice. Show your work. Check your answer. You can do this!

If you want to share something or ask a question, please email me at [jay@testinar.com](mailto:jay@testinar.com).

**Jay Daie**

Your Math Friend

# PRACTICE TODAY. SUCCEED TOMORROW!

Give your child the advantage they need in **Grade 3 Math** with 10 full-length practice tests that build skills, boost confidence, and improve results. Designed to mirror real test formats, this book helps students master essential math concepts and feel ready for any challenge.



## INSIDE THIS BOOK:



### 10 Full-Length Practice Tests

Realistic tests that simulate the look and feel of actual Grade 3 math assessments.



### Standards-Aligned

Covers all essential Grade 3 math topics based on current learning standards.



### Build Skills & Confidence

Strengthens problem-solving, critical thinking, and test-taking skills with every practice.



### Track Progress & Improve

Identify strengths and weaknesses to focus on what matters most.



### Prepare for Success

Better preparation leads to higher scores and brighter futures.

## COVERS ALL KEY TOPICS

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



### Visit [testinar.com/math3](https://testinar.com/math3)

for more Grade 3 math resources and practice materials!

## THE MORE THEY PRACTICE, THE BETTER THEY PERFORM.

Help your child build a strong foundation and achieve their best in math!

PRACTICE  
PREPARE  
SUCCEED!



Designed for  
Grade 3  
Students



Build Strong  
Math Skills



Practice with  
Purpose