

6

Alabama ACAP

GRADE 3

MATH

PRACTICE TESTS

Standards-Aligned Practice with
Review, Answer Keys, and Explanations



6 Full-Length
Practice Tests



Detailed Answer Keys
and Explanations



Master Skills.
Boost Scores.
Succeed!

6 Alabama ACAP Grade 3 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Six complete 30-question practice labs for Grade 3 math: operations, fractions, measurement, data, area, shapes, answer keys, and clear explanations for every item.

Jay Daie and Reza Nazari



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Welcome to the Six Skill Labs

Six full tests, six focused resets, and a stronger Grade 3 problem solver



Notice the pattern. Choose a tool. Explain the answer.

To the Grade 3 Math Builder

This book gives you six practice labs for the Alabama ACAP. Each lab is a complete 30-question test, so students can practice accuracy, stamina, and clear mathematical thinking.

Alabama has river bridges, farm rows, coastal routes, and rocket work that all depend on careful steps. Math works the same way: read the task, select a strategy, build the solution, and check the result.

Decode

Find the question, the units, and the useful numbers.

Design

Use an equation, array, number line, graph, or sketch.

Confirm

Make sure the answer matches the question.

Six-lab promise: I will work with patience, show useful thinking, and treat corrections as part of learning.

How to Use This Book

A six-lab routine for steady Grade 3 growth

Use one practice lab at a time. The goal is not only to finish more pages. The goal is to finish, review, repair, and bring a smarter habit to the next test.

1. **Warm up.** Skim the reference materials and remind yourself of common tools.
2. **Take one test.** Work steadily and mark problems that need a second look.
3. **Check answers.** Use the compact answer keys first.
4. **Read explanations.** Study missed items and any lucky guesses.
5. **Redo two problems.** Rewrite the work cleanly without peeking.
6. **Set the next lab goal.** Choose one skill or habit to improve.

Best review habit: A mistake is most useful when you can say why it happened and what you will do differently next time.



What Is Inside?

Six complete practice tests with review support

Part	What You Do	Why It Helps
Practice Tests 1–6	Solve six different 30-question tests.	Build stamina and see Grade 3 skills mixed together.
Answer Keys	Check each answer in compact boxes.	Find mistakes quickly without losing your place.
Explanations	Read why each answer works.	Turn missed items into a clear next step.
Standards Reference	See how Alabama Grade 3 standards connect to practice.	Understand the skills behind the questions.

Each test has 26 multiple-choice questions, 1 select-all question, and 3 open-ended questions. This gives students practice with quick decisions, careful reading, and short written math answers.



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& answers

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1) Round 945 to the nearest 100.

A. 900

C. 945

B. 940

D. 1000

2) Which skip-counting pattern has all even numbers?

A. Skip count by 3: 3, 6, 9, 12, ...

C. Skip count by 5: 5, 10, 15, 20, ...

B. Skip count by 7: 7, 14, 21, 28, ...

D. Skip count by 2: 2, 4, 6, 8, ...

3) Sam has two chocolate bars. Bar 1 is split into 3 equal pieces. Bar 2 is split into 6 equal pieces. He eats $\frac{2}{6}$ of Bar 2. What fraction of Bar 1 equals what he ate?

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

C. $\frac{3}{6}$

B. $\frac{1}{6}$

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

4) What is 8×8 ?

5) Two classrooms have 15 students each. They combine and make groups of 5. How many groups are there?

A. 5

C. 15

B. 6

D. 30



6) A rectangular garden has a length of 8 m and a width of 6 m. What is the area?

A. 28 m^2

C. 14 m^2

B. 42 m^2

D. 48 m^2

7) A rope is shown on a number line from 0 to 1 with 8 equal sections. Eli marks off one section. What fraction of the rope is one section?

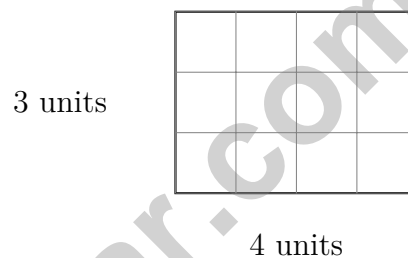
A. $\frac{1}{8}$

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

B. $\frac{1}{7}$

D. $\frac{2}{8}$

8) Look at the rectangle below. How many square units cover the entire shape?



A. 7 square units

C. 14 square units

B. 8 square units

D. 12 square units

9) What is $500 - 243$?

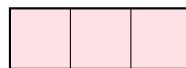
A. 257

C. 357

B. 267

D. 347

10)



What is the area of this rectangle in unit squares?

A. 2 square units

C. 4 square units

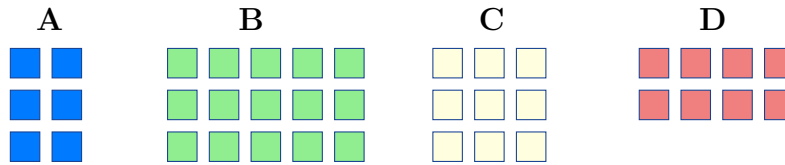
B. 3 square units

D. 5 square units

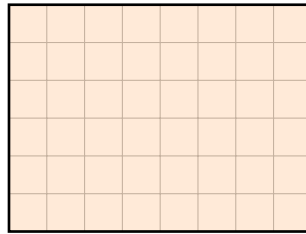


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1) Ava has 5 bags with 3 pencils in each. Which array shows 5×3 pencils?



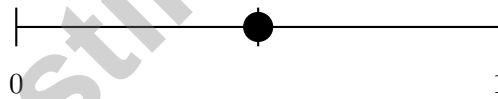
2) On a grid, a rectangle is 8 units long and 6 units wide.



How many unit squares fill it?

- A. 28 sq units
- B. 42 sq units
- C. 48 sq units
- D. 56 sq units

3) The dot marks a point on this number line. What fraction is it?



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

4) Eli has 5 coin pouches. Each pouch has 4 coins. How many coins does Eli have altogether?

- A. 9
- B. 1
- C. 15
- D. 20

5) Priya has 8 packs of trading cards. Each pack has 6 cards. How many cards does she have in all?

A. 42 cards

C. 56 cards

B. 14 cards

D. 48 cards

6) How many stars are there? Skip count by 10s to find the total.

3 groups of 10 = $3 \times 10 = ?$



A. 13

C. 31

B. 103

D. 30

7) A square piece of fabric has sides of 8 inches. What is its area?

A. 16 square inches

C. 56 square inches

B. 32 square inches

D. 64 square inches

8) Ben saves \$7 each week. After a certain number of weeks, he has saved \$63. How many weeks did he save?

$$\square \times 7 = 63$$

A. 10

C. 7

B. 8

D. 9



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1) Noah wants to use the associative property to solve $(3 \times 4) \times 2$. Which equation correctly uses the associative property?

A. $(3 + 4) \times 2 = 14$

C. $(3 \times 4) \times 2 = 3 \times 4 \times 2 = 9$

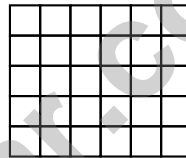
B. $(3 \times 4) \times 2 = 3 \times (4 + 2) = 18$

D. $(3 \times 4) \times 2 = 3 \times (4 \times 2) = 3 \times 8 = 24$

2) A piece of paper is shaped like a rectangle 9 inches long and 1 inch wide. Another piece is a square 3 inches on each side. Which paper covers more area?

 A. The long, thin rectangle C. They cover the same area B. The square D. Need to measure with a ruler

3) Noah is tiling a floor. He needs to cover a space that is 6 units long and 5 units wide. Here is the layout:

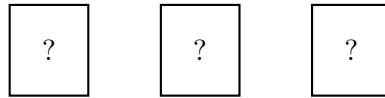


How many unit square tiles does Noah need?

 A. 11 tiles (just the perimeter) C. 30 tiles B. 22 tiles (counted twice) D. 60 tiles

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Dividing Almonds



Bag 1 Bag 2 Bag 3

4)

Ava divides 600 grams of almonds into 3 equal bags. How many grams are in each bag?

- A. 100 g C. 300 g
 B. 200 g D. 600 g

5) In a multiplication table, $2 \times 6 = 12$ and $6 \times 2 = 12$.

Why does this pattern always happen?

- A. Because 2 and 6 are different numbers C. Because 12 is an even number
 B. Because the table is square-shaped D. Because multiplication order does not change the product

6) How many minutes after 6 : 15 is 6 : 35?

7) How many unit fractions of $\frac{1}{4}$ make a whole?

- A. 2 C. 4
 B. 3 D. 8



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.

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Practice Test Answers and Explanations

Practice Test 1 Answers and Explanations

- 1) **Choice A is correct.** **(3.NBT.A.1)** The tens digit is 4. Since $4 < 5$, round down: 945 rounds to 900.
- 2) **Choice D is correct.** **(3.OA.D.9)** Skip counting by an even number always gives all even numbers.
- 3) **Choice D is correct.** **(3.NF.A.3a)** $\frac{2}{6} = \frac{1}{3}$. When Sam eats $\frac{2}{6}$ of Bar 2, he ate the same amount as $\frac{1}{3}$ of Bar 1.
- 4) **The correct answer is 64.** **(3.OA.C.7)** $8 \times 8 = 64$. Eight groups of 8 equals 64.
- 5) **Choice B is correct.** **(3.OA.D.8)** Step 1: Add total students: $15 + 15 = 30$ students. Step 2: Make groups: $30 \div 5 = 6$ groups. (Choice D is step 1 only; choice A is incomplete.)
- 6) **Choice D is correct.** **(3.OA.A.3)** Area = $8 \times 6 = 48 \text{ m}^2$.
- 7) **Choice A is correct.** **(3.NF.A.2a)** One of eight equal sections is $\frac{1}{8}$.
- 8) **Choice D is correct.** **(3.MD.C.5)** Count the rows: 3 rows. Count the columns: 4 columns. Multiply: $3 \times 4 = 12$ square units.
- 9) **Choice A is correct.** **(3.NBT.A.2)** Ones: $0 - 3$ requires regrouping, so $10 - 3 = 7$. Tens: $9 - 4 = 5$ (after regrouping). Hundreds: $4 - 2 = 2$ (after regrouping). Answer: 257.
- 10) **Choice B is correct.** **(3.MD.C.5a)** The rectangle is 3 units wide and 1 unit tall: $3 \times 1 = 3$ unit squares.
- 11) **The correct answer is 4 sides.** **(3.G.A.1)** A rectangle is a quadrilateral, so it has 4 sides.
- 12) **Choice A is correct.** **(3.OA.A.4)** Multiply: $6 \times 8 = 48$, so the divisor is 8.
- 13) **Choices B and E are correct.** **(3.MD.C.7a)** Compute each product: A is 30, B is 32, C is 33, D is 28, and E is 32. Rectangles B and E both have area 32 square units.
- 14) **Choice C is correct.** **(3.NF.A.3)** $\frac{3}{6}$ and $\frac{1}{2}$ both equal half of a whole.
- 15) **Choice B is correct.** **(3.MD.C.7d)** Add the parts: $7 + 9 = 16$ square units. Choice A (forgot Part A) and C (multiply instead of add) are common errors.
- 16) **Choice C is correct.** **(3.NF.A.2)** The dot is at the 5th mark out of 8 equal divisions, so the fraction is $\frac{5}{8}$.
- 17) **The correct answer is 63.** **(3.OA.B.5)** The commutative property gives $9 \times 7 = 63$.
- 18) **Choice D is correct.** **(3.OA.A.2)** You subtract 3 four times: $12 - 3 - 3 - 3 - 3 = 0$. So $12 \div 3 = 4$.
- 19) **Choice B is correct.** **(3.NBT.A.3)** When we multiply 8×40 , we can break it down: $8 \times 40 = 8 \times (4 \times 10) = (8 \times 4) \times 10 = 32 \times 10 = 320$. The zero comes from multiplying by 10, not from the zero in "40".
- 20) **Choice B is correct.** **(3.NF.A.3c)** 15 thirds means $15 \div 3 = 5$ wholes. Each candy bar had 3 thirds.
- 21) **Choice A is correct.** **(3.NF.A.1)** The circle is divided into 6 equal parts. One part is shaded, so the shaded fraction is $\frac{1}{6}$ (one-sixth).
- 22) **Choice C is correct.** **(3.MD.C.7b)** Area = length \times width = $5 \times 4 = 20$ square feet.
- 23) **Choice C is correct.** **(3.MD.C.7)** Rectangle 1: $2 \times 9 = 18$ sq units. Rectangle 2: $3 \times ? = 18$. So $? = 18 \div 3 = 6$ units.
- 24) **Choice A is correct.** **(3.G.A.2)** If 3 out of 4 parts are shaded, then 1 part is not shaded, which is $\frac{1}{4}$.
- 25) **Choice D is correct.** **(3.OA.A.1)** 5 days with 9 pages each day means 5 groups of 9. So $5 \times 9 = 45$ pages.
- 26) **Choice D is correct.** **(3.NF.A.2b)** $\frac{3}{4}$ of the distance from 0 to 4 means $\frac{3}{4} \times 4 = 3$. This lands at the 3 mark.
- 27) **Choice D is correct.** **(3.OA.B.6)** Since $5 \times 9 = 45$, the missing factor is 5. In a fact family, the division $45 \div 9 = 5$ gives the same answer as the missing factor.
- 28) **Choice B is correct.** **(3.MD.A.2)** Subtract the milk already in the cup: $900 - 600 = 300$ mL needed.
- 29) **Choice B is correct.** **(3.MD.A.1)** The minute hand points to 36 minutes, just past the 7. The hour hand is between 6 and 7, closer to 7. The time is 6 : 36.
- 30) **Choice C is correct.** **(3.MD.C.6)** $8 \times 4 = 32$ unit squares.

Practice Test 2 Answers and Explanations



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Hi, Strong Climber!

◇ You climbed all 6 tests. One step at a time. That takes patience and grit. The view from the top is amazing because you earned it! ◇

★ **Mountain guides say:** steady steps win the climb. You climbed steady. You stayed strong. ★

Climber's Skills

- **Strong Steps:** You move forward, problem by problem.
- **Steady Pace:** You don't rush. You don't stop.
- **Map Skills:** You read questions carefully.
- **Top of the Mountain:** You can finish a long test.

Guide's tip: on test day, take small breaths between problems. One foot, then the next. You'll reach the top!

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

Jay Daie

Your Math Trail Guide

BUILD CONFIDENCE. MASTER MATH. ACHIEVE SUCCESS!



This **Grade 3 Math Practice Tests** book is the perfect companion for students who want to strengthen their math skills and excel in school. With **6** full-length practice tests designed to reflect real test formats, students get the practice they need to understand key concepts, build problem-solving skills, and tackle any challenge with confidence.

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- ✓ Measurement & Data
- ✓ Graphing & Data Analysis
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- ✓ Word Problems
- ✓ Ratio & Proportion
- ✓ Perimeter, Area & Volume
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