

8

Alabama

ACAP

GRADE 3

MATH

PRACTICE TESTS

Standards-Aligned Review with
Mixed Practice and Answer Key



8 Full-Length
Practice Tests



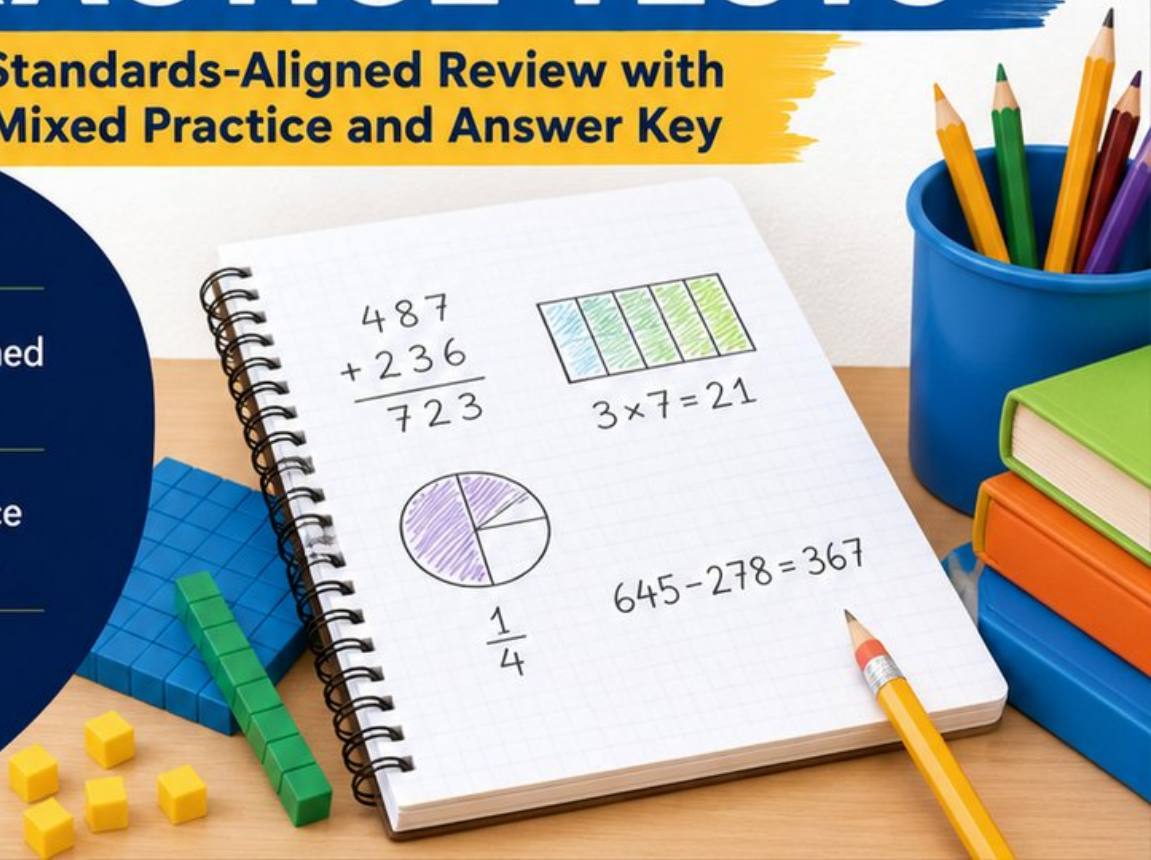
Standards-Aligned
Questions



Build Confidence
and Math Skills



Answer Key
Included



8 Alabama ACAP Grade 3 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Eight complete 30-question practice rounds 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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Alabama, Your Eight-Test Math Path Begins

Eight focused rounds, one stronger Grade 3 problem solver

This book gives you eight full chances to practice like a careful test taker. Each test is a new route through numbers, shapes, data, measurement, and word problems. Work slowly enough to notice what the question asks, and proudly enough to show your thinking.

Your Alabama Math Promise

I will read the whole question, choose a smart strategy, write clear work, and check whether my answer makes sense.

Take one page at a time. Strong math is built by steady, honest practice.

How to Use This Book

A simple eight-round routine for confident review

Use this book as a practice plan, not a race. Finish one test, review it, fix a few problems, then carry one better habit into the next test.

1. **Preview the reference page.** Notice units, time, and measurement facts before you begin.
2. **Take one full test.** Circle anything that feels tricky so you can return to it.
3. **Check the answer key.** Mark correct answers and questions to try again.
4. **Read explanations.** Study missed items and lucky guesses first.
5. **Redo three problems.** Write fresh work without copying the explanation.
6. **Name one habit.** Pick a focus such as labels, facts, fractions, or neat work.
7. **Try the next test.** Bring that habit forward.
8. **Finish with a final check.** Look for growth across all eight tests.

Best review habit: When an answer is wrong, ask, “What step would I change next time?” That question turns practice into progress.



What Is Inside the Eight Tests?

Mixed Grade 3 math practice with answer support

Each practice test has 30 questions. You will see multiple-choice questions, select-all questions, and open-ended questions with workspace. The mix helps students practice both choosing an answer and explaining a short mathematical result.

Part	What to Expect
Eight full tests	30 mixed Grade 3 questions in each round
Math topics	multiplication, division, place value, fractions, time, measurement, data, area, perimeter, and shapes
Answer keys	compact answer boxes for quick checking
Explanations	short reasoning for every item so mistakes become useful review
Progress pages	places to record scores, habits, and next-step goals

Goal: Build steady accuracy. A strong student checks the question, chooses a strategy, writes the work, and answers the exact question asked.



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1) A bag of flour weighs 3 kilograms. If a baker buys 7 bags of flour, how much flour does he have in total?

A. 10 kg

C. 4 kg

B. 20 kg

D. 21 kg

2) A number line from 0 to 1 is divided so that the unit fraction at the first tick is $\frac{1}{3}$. How long is the second tick from 0?

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

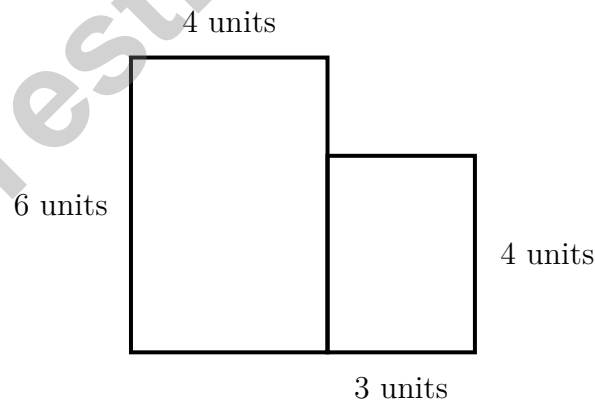
C. $\frac{1}{6}$

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

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

3) What is 6×4 ?

4) An L-shaped playground is divided by dashed lines. The left rectangle is 4 units by 6 units. The right rectangle is 3 units by 4 units. What is the total area?



A. 36 sq units

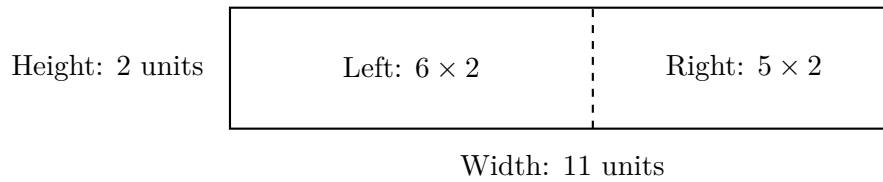
C. 12 sq units

B. 24 sq units

D. 72 sq units



5) This shows a distributive property example:

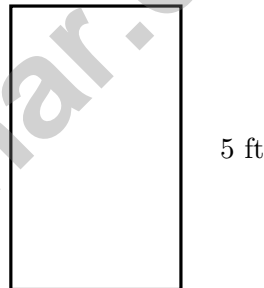


What is the equation in distributive form?

- A. $2 \times (6 + 5) = 22$
 C. $6 + 5 = 11$
 B. $(2 \times 6) + (2 \times 5) = 12 + 10 = 22$
 D. $(6 \times 5) + (2) = 32$

6) Which two fractions both equal the whole number 2?

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



7)

Find the area of this rectangle.

- A. 8 sq ft
 C. 12 sq ft
 B. 15 sq ft
 D. 30 sq ft



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3 meters



10 meters

8)

A rectangular walkway is 10 meters long and 3 meters wide. What is the area of the walkway?

 A. 13 sq m C. 26 sq m B. 30 sq m D. 60 sq m

9) What is 555 rounded to the nearest 10?

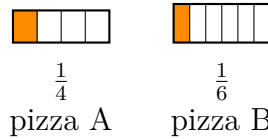
 A. 550 C. 560 B. 555 D. 600

10) Which list shows skip counting by 4s?

 A. 2, 4, 6, 8, 10 C. 3, 6, 9, 12, 15 B. 5, 10, 15, 20, 25 D. 4, 8, 12, 16, 20

11) A square has how many right angles?



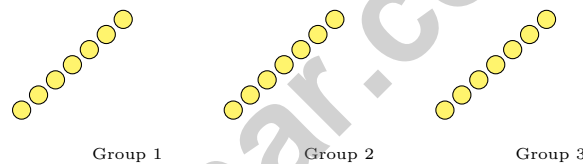


6)

The bars show $\frac{1}{4}$ of pizza A and $\frac{1}{6}$ of pizza B. Pizza B is bigger than pizza A. Can you say $\frac{1}{4} > \frac{1}{6}$?

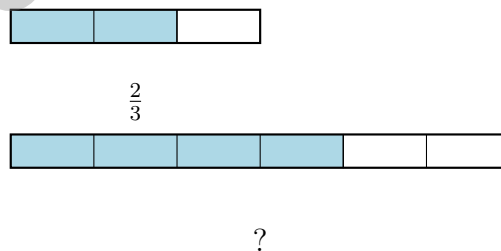
- A. Yes, because fourths are always bigger than sixths
 C. Yes, the picture shows it
 B. No, we can only compare when the wholes are the same size
 D. No, because 6 is bigger than 4

7) A farmer has 3 groups of chickens with 7 chickens in each group. He sells 6 chickens. How many chickens does the farmer have left?



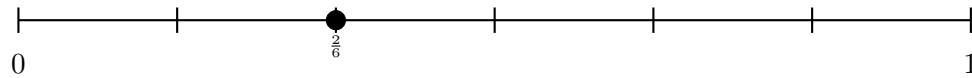
- A. 12 C. 21
 B. 27 D. 15

8) Look at the bars. What fraction does the second bar show?



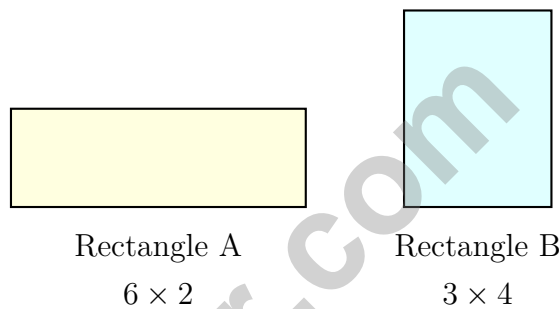
- A. $\frac{5}{6}$ C. $\frac{3}{6}$
 B. $\frac{4}{6}$ D. $\frac{1}{2}$

1) On a 6-part number line, $\frac{2}{6}$ is between which two fractions?



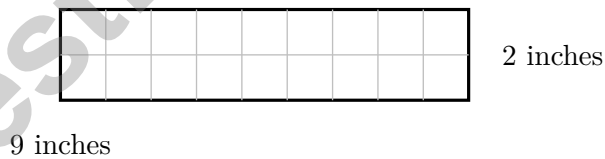
- A. Between 0 and $\frac{1}{6}$
 C. Between $\frac{3}{6}$ and $\frac{4}{6}$
 B. Between $\frac{1}{6}$ and $\frac{3}{6}$
 D. Between $\frac{5}{6}$ and 1

2) Look at these two rectangles. Rectangle A is 6 units by 2 units. Rectangle B is 3 units by 4 units. Which has the greater area?



- A. Rectangle A
 C. Cannot determine
 B. Rectangle B
 D. They are equal

3)



Count the unit squares in the grid. What is the area?

- A. 11 sq in
 C. 18 sq in
 B. 20 sq in
 D. 36 sq in



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- 4) A bar graph shows inches of rainfall. Each unit on the scale represents 10 inches. If a bar is 3 units tall, how many inches of rainfall does it represent?



- 5) Lily has 6 whole crayons. Which shows this as a fraction?

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

C. $\frac{6}{6}$
 D. $\frac{2}{6}$

- 6) Lily buys 3 packages of toy cars. Each package has 40 toy cars. How many toy cars does Lily buy?

A. 34
 B. 43

C. 120
 D. 1200

7)



The number line from 0 to 3 is divided into 4 equal parts. What fraction of the distance from 0 to 3 is point Q?

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

C. $\frac{4}{3}$
 D. $\frac{1}{4}$



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 D is correct.** (3.3) Multiply: $7 \text{ bags} \times 3 \text{ kg per bag} = 21 \text{ kg of flour}$.
- 2) **Choice B is correct.** (3.12) The second tick is two of the three equal parts, which is $\frac{2}{3}$.
- 3) **The correct answer is 24.** (3.5) By the commutative property, $4 \times 6 = 6 \times 4 = 24$.
- 4) **Choice A is correct.** (3.23) Left: $4 \times 6 = 24 \text{ sq units}$. Right: $3 \times 4 = 12 \text{ sq units}$. Total: $24 + 12 = 36 \text{ sq units}$.
- 5) **Choice B is correct.** (3.20) Add the two areas: $(2 \times 6) + (2 \times 5) = 12 + 10 = 22 \text{ square units}$.
- 6) **Choice A is correct.** (3.15) $\frac{2}{1} = 2$ (two wholes) and $\frac{4}{2} = 2$ (four halves). Both equal 2.
- 7) **Choice B is correct.** (3.22) Area = $3 \times 5 = 15 \text{ square feet}$.
- 8) **Choice B is correct.** (3.20) Area = length \times width = $10 \times 3 = 30 \text{ square meters}$.
- 9) **Choice C is correct.** (3.10) The ones digit is 5. Since $5 \geq 5$, round up: 555 rounds to 560.
- 10) **Choice D is correct.** (3.9) Skip counting by 4 means adding 4 each time: $4 + 4 = 8$, $8 + 4 = 12$, etc.
- 11) **The correct answer is 4 right angles.** (3.26) A square has 4 right angles.
- 12) **Choice D is correct.** (3.16) First: $4 \times 3 = 12$. Second: $5 \times 3 = 15$. Total: $12 + 15 = 27$.
- 13) **Choice A is correct.** (3.4) To find the number of hours, divide total dollars by dollars per hour: $56 \div 8 = 7$.
- 14) **Choice B is correct.** (3.15) The denominator was multiplied by 2 (from 2 to 4). Multiply the numerator by 2: $1 \times 2 = 2$. So $\frac{1}{2} = \frac{2}{4}$.
- 15) **The correct answer is 6.** (3.7) $54 \div 9 = 6$ because $6 \times 9 = 54$.
- 16) **Choices A and C are correct.** (3.2) In partitive division, we know the number of groups (3 friends, 8 piles) and find the size of each. B is quotitive (measurement) because we know the size (4 cookies per bag) and find the number of bags. D is also quotitive. E is subtraction, not division.
- 17) **Choice C is correct.** (3.21) Area of a square = $4 \times 4 = 16 \text{ square feet}$.
- 18) **Choice C is correct.** (3.21) A 3×3 square contains $3 \times 3 = 9$ unit squares.
- 19) **Choice B is correct.** (3.15) With the same numerator, a LARGER denominator means SMALLER pieces. So $\frac{4}{8} < \frac{4}{6}$, not greater.
- 20) **Choice A is correct.** (3.15) The bars show the same shaded amount. $\frac{2}{8}$ and $\frac{1}{4}$ are equivalent.
- 21) **Choice B is correct.** (3.20) At least $6\frac{1}{4}$ means $6\frac{1}{4}$ and longer: $3 + 1 + 1 + 1 = 6$ ropes.
- 22) **Choice B is correct.** (3.14) $\frac{1}{2}$ is one out of two equal parts, which is the middle tick mark.
- 23) **Choice C is correct.** (3.13) Rectangle X: $\frac{2}{4}$ shaded is half. Rectangle Y: $\frac{4}{8}$ shaded is also half. Even though one has 4 parts and the other has 8 parts, the same amount of area is shaded in both rectangles.
- 24) **Choice C is correct.** (3.8) Step 1: Total cookies: $6 \times 8 = 48$ cookies. Step 2: Divide into boxes: $48 \div 4 = 12$ boxes.
- 25) **Choice A is correct.** (3.11) Round 456 to 500 and 237 to 200. Estimate: $500 + 200 = 700$. Mia's answer 693 is very close to 700, so it is reasonable. (Exact: $456 + 237 = 693$ is correct.)
- 26) **Choice A is correct.** (3.23) Area measures the space on a surface, which is measured in square units. A sheet of paper's surface can be measured in square centimeters.
- 27) **Choice B is correct.** (3.19) $3 \text{ kg} = 3000 \text{ g}$. Subtract: $3000 - 1500 = 1500 \text{ g}$.
- 28) **Choice D is correct.** (3.2) 5 boxes with 8 cupcakes each means 5 groups of 8. So $5 \times 8 = 40$ cupcakes.
- 29) **Choice C is correct.** (3.15) $\frac{4}{8} = \frac{1}{2}$. Both represent one-half of their circles.
- 30) **Choice C is correct.** (3.20) Count the left tall part: 3 columns and 4 rows = $4 + 4 + 4 = 12$ unit squares. Count the right bottom part: 2 columns and 2 rows = $2 + 2 = 4$ unit squares. Total: $12 + 4 = 16$ unit squares in this L-shaped figure.

Practice Test 2 Answers and Explanations



Hi, Brave Explorer!

◇ What a trip! You explored 8 full tests. You went to many math places: multiplication, fractions, area, time, and more. ◇

★ **Smart explorers know:** every trip teaches something. Through 8 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

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PRACTICE TODAY. MASTER TOMORROW.

This book is designed to help **Grade 3** students strengthen their math skills through focused practice and real progress.

- ✓ 8 full-length practice tests
- ✓ Aligned to Grade 3 standards
- ✓ Build confidence and achieve success



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