

6

Arizona AASA

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 Arizona AASA 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



Copyright ©

Testinar Inc



Published by Testinar Inc

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 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 Arizona AASA. Each lab is a complete 30-question test, so students can practice accuracy, stamina, and clear mathematical thinking.

Arizona brings desert trails, canyon shadows, bright skies, and cactus shapes. Strong math uses that same care: read the task, select a strategy, build the solution, and plan the route before solving.

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. For Arizona students, each lab is a short route through desert trails, canyon shadows, bright skies, and cactus shapes: steady, alert, and ready for the next clue.

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 Arizona 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 for the Arizona AASA path.

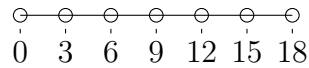


Scan me!
For more practice
& answers

Table of Contents

★ Practice Test 1	_____	14
★ Practice Test 2	_____	26
★ Practice Test 3	_____	39
★ Practice Test 4	_____	52
★ Practice Test 5	_____	64
★ Practice Test 6	_____	78
Practice Test Answer Keys	_____	90
Practice Test Answers and Explanations	_____	94

9)



This number line shows skip counting. Which multiplication sentence matches?

A. $3 \times 9 = 27$

C. $5 \times 3 = 15$

B. $3 \times 5 = 15$

D. $6 \times 3 = 18$

10) Which statement is true about the products of even and odd numbers?

 A. Even \times odd is always odd C. Even \times odd is always even B. Even \times even is always odd D. Odd \times odd is always even

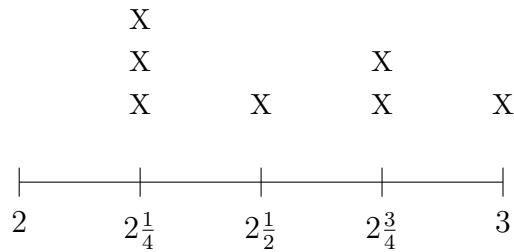
11) Sam has $\frac{1}{6}$ of a pizza. Ava has $\frac{1}{3}$ of the same pizza. Who has a larger piece?

 A. Sam C. They have the same B. Ava D. Cannot compare

12) What is 7×7 ?

 A. 42 C. 56 B. 63 D. 49

- 1) A line plot displays cookie weights in ounces: $2, 2\frac{1}{4}, 2\frac{1}{2}, 2\frac{3}{4}, 3$.



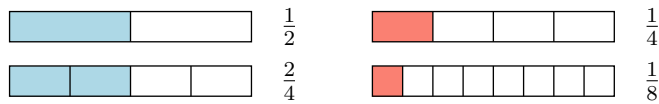
What weight has exactly 2 cookies?

- A. $2\frac{1}{4}$ ounces C. $2\frac{3}{4}$ ounces
 B. $2\frac{1}{2}$ ounces D. 3 ounces
- 2) Ben has 36 books. He puts them equally on 4 shelves. How many books are on each shelf?
- A. 9 C. 10
 B. 8 D. 12
- 3) Ava colored $\frac{4}{4}$ of a shape. Noah colored $\frac{4}{6}$ of a shape of the same size. Which statement is true?
- A. Ava colored more C. They colored the same amount
 B. Noah colored more D. Cannot compare the fractions
- 4) What is 7×6 ?



Scan me!
For more practice
& answers

5) Look at the fraction bars below. Which fractions are equivalent?



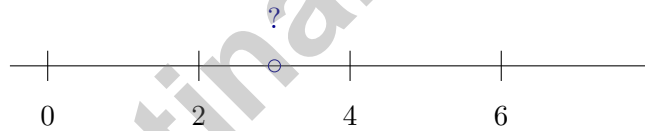
- A. $\frac{1}{2}$ and $\frac{1}{8}$
- B. $\frac{1}{4}$ and $\frac{1}{8}$

- C. $\frac{1}{2}$ and $\frac{2}{4}$
- D. $\frac{1}{4}$ and $\frac{2}{4}$

6) What number makes this equation true?

$$\square \div 5 = 7$$

7)



The number line above is divided into equal parts. What fraction of the way from 0 to 4 is the point marked ?

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

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

- 5) A square has perimeter 40 feet. What is the length of one side?

- 6) A sports team scored 234 points in the first game and 189 points in the second game. Which statement about the difference is correct?

- A. $234 - 189 = 45$; the team scored 45 more points in the first game
- B. $234 - 189 = 55$; the team scored 55 more points in the first game
- C. $189 - 234 = 45$; the team scored 45 more points in the second game
- D. $234 + 189 = 423$; the team scored 423 points in both games
- 7) Eli paints a rectangular wall. The wall is 8 feet wide and 3 feet tall. How many square feet does Eli paint?
- A. 24 sq ft
- B. 16 sq ft
- C. 11 sq ft
- D. 32 sq ft
- 8) Write a fraction equivalent to $\frac{3}{4}$ by multiplying the numerator and denominator by 2.



Scan me!
For more practice
& answers

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.NF.A.1)** The denominator equals the total number of equal parts. A rectangle with 4 equal parts has a denominator of 4, so one part is $\frac{1}{4}$.
- 2) **Choice A is correct.** **(3.NF.A.3)** $\frac{2}{8}$ and $\frac{1}{4}$ both equal one-quarter of a whole.
- 3) **Choice A is correct.** **(3.OA.A.3)** Divide: $9 \div 3 = 3$ slices per friend.
- 4) **Choice B is correct.** **(3.MD.C.7)** Area = $5 \times 4 = 20$ square meters.
- 5) **Choice D is correct.** **(3.OA.D.8)** Step 1: Toys per crate: $90 \div 9 = 10$ toys. Step 2: Crates remaining: $9 - 4 = 5$ crates. Total toys: $5 \times 10 = 50$ toys.
- 6) **Choice A is correct.** **(3.NF.A.2)** From 0 to $\frac{1}{4}$ is exactly one of the four equal parts, so it is $\frac{1}{4}$ of the whole line.
- 7) **Choice A is correct.** **(3.NBT.A.2)** Add to find the total: $312 + 188 = 500$. Ones: $2 + 8 = 10$ (write 0, carry 1). Tens: $1 + 8 + 1 = 10$ (write 0, carry 1). Hundreds: $3 + 1 + 1 = 5$.
- 8) **Choice A is correct.** **(3.NF.A.2)** Both Bar 1 and Bar 4 show $\frac{1}{3}$ shaded. They represent the same amount.
- 9) **Choice D is correct.** **(3.OA.A.1)** Skip counting by 3 six times gives 0, 3, 6, 9, 12, 15, 18. This represents 6 groups of 3, so $6 \times 3 = 18$.
- 10) **Choice C is correct.** **(3.OA.D.9)** An even number times any other whole number is always even, because the result is a multiple of 2.
- 11) **Choice B is correct.** **(3.NF.A.3)** Same numerator, different denominators. One third has bigger pieces than one sixth. Ava has a larger piece.
- 12) **Choice D is correct.** **(3.OA.C.7)** $7 \times 7 = 49$. Seven groups of 7 equals 49.
- 13) **Choice A is correct.** **(3.MD.C.8)** Part 1: $4 \times 3 = 12$ sq units. Part 2: $6 \times 2 = 12$ sq units. Total: $12 + 12 = 24$ sq units.
- 14) **Choice C is correct.** **(3.G.A.2)** If one part is $\frac{1}{4}$ of the pizza, the pizza is divided into 4 equal parts.
- 15) **Choice D is correct.** **(3.OA.A.2)** If $18 \div ? = 3$, then $? = 6$ because $6 \times 3 = 18$. Check: $18 \div 6 = 3$ is correct.
- 16) **Choice B is correct.** **(3.MD.A.2)** Subtract: $4000 - 2500 = 1500$ mL.
- 17) **Choices B and D are correct.** **(3.NF.A.2)** The midpoint is $\frac{3}{6}$. Points equidistant on either side are $\frac{2}{6}$ (one sixth below) and $\frac{4}{6}$ (one sixth above). Distractor $\frac{1}{6}$ is two sixths below. Distractor $\frac{5}{6}$ is two sixths above. Distractor $\frac{3}{6}$ is the midpoint.
- 18) **Choice D is correct.** **(3.MD.B.4)** The largest count is 4 X's at $1\frac{1}{2}$ ounces. Some marks have 0 X's. The difference is $4 - 0 = 4$.
- 19) **Choice A is correct.** **(3.MD.C.6)** The rectangle is 4 by 2, so it has 8 unit squares total. A vertical line through the middle divides it into two 2-by-2 sections of 4 each.
- 20) **Choice A is correct.** **(3.MD.C.6)** $5 \times 7 = 35$ sq cm. The other choices do not equal 35.
- 21) **Choice A is correct.** **(3.NF.A.1)** The first tick is at one of four equal parts, which is $\frac{1}{4}$.
- 22) **The correct answer is 200.** **(3.NBT.A.3)** Multiply $4 \times 5 = 20$, then add one zero: $4 \times 50 = 200$.
- 23) **Choice D is correct.** **(3.OA.B.6)** $36 \div 6 = \square$ means $\square \times 6 = 36$. Since $6 \times 6 = 36$, Sam earned 6 points per game.
- 24) **The correct answer is 24.** **(3.OA.B.5)** $(2 \times 3) \times 4 = 6 \times 4 = 24$.
- 25) **Choice A is correct.** **(3.NF.A.3)** Divide the numerator and denominator of $\frac{2}{6}$ by 2: $\frac{2 \div 2}{6 \div 2} = \frac{1}{3}$.
- 26) **Choice D is correct.** **(3.NBT.A.1)** The ones digit is 2. Since $2 < 5$, round down: 92 rounds to 90.
- 27) **The correct answer is 4 sides.** **(3.G.A.1)** A rectangle is a quadrilateral, so it has 4 sides.
- 28) **Choice D is correct.** **(3.OA.A.4)** Multiply: $7 \times 9 = 63$, so the divisor is 9. Check: $63 \div 9 = 7$.
- 29) **Choice B is correct.** **(3.MD.C.8)** Area = length \times width = $9 \times 3 = 27$ square yards.
- 30) **Choice B is correct.** **(3.MD.C.5)** $12 \times 2 = 24$ square units.

Practice Test 2 Answers and Explanations



Hi, Brave Explorer!

◇ What a trip! You explored 6 full tests. You went to many math places: multiplication, fractions, area, time, and more. ◇

★ **Smart explorers know:** every trip teaches something. Through 6 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

Testinar.com

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.

PERFECT FOR:

- ✓ Classroom Practice
- ✓ Homework & Review
- ✓ Test Preparation

★ **PREPARE TODAY.
SUCCEED TOMORROW!**

WHAT STUDENTS WILL GAIN:



Stronger Concepts

Reinforce key Grade 3 math skills and build a solid foundation.



Better Problem Solving

Develop critical thinking and solve problems with ease.



Test Confidence

Get familiar with test formats and reduce exam stress.



Track Progress

Measure improvement and focus on areas that matter.



Achieve Success

Build the skills and confidence to reach higher goals.

TOPICS COVERED:

- ✓ 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/math5 for more Grade 3 math resources and practice materials!

PRACTICE MORE. ACHIEVE MORE.

Give your child the tools they need to succeed in math and beyond!



Aligns with Grade 3 Learning Standards



Builds Critical Thinking & Problem-Solving