

Lesson 12: Represent and Solve Multiplication Problems

Standards Alignments

Addressing 3.OA.A.1, 3.OA.A.3

Teacher-facing Learning Goals

- Represent and solve multiplication problems.

Student-facing Learning Goals

- Let's represent and solve problems involving equal groups.

Lesson Purpose

The purpose of this lesson is for students to represent and solve multiplication problems.

In previous lessons, students learned different ways to represent equal group situations with drawings, tape diagrams, and expressions. The purpose of this lesson is for students to solve problems involving equal groups with a representation of their choice.

Access for:

Students with Disabilities

- Representation (Activity 2)

English Learners

- MLR8 (Activity 2)

Instructional Routines

How Many Do You See? (Warm-up), MLR5 Co-craft Questions (Activity 1)

Lesson Timeline

Warm-up	10 min
Activity 1	15 min
Activity 2	20 min
Lesson Synthesis	10 min
Cool-down	5 min

Teacher Reflection Question

What strategy did each student seem most comfortable using to find products today?

Cool-down (to be completed at the end of the lesson)

🕒 5 min

Ducks in a Pond

Standards Alignments

Addressing 3.OA.A.3

Student-facing Task Statement

There are 4 ponds. Each pond has 5 ducks. How many ducks are there altogether?

Use diagrams, symbols, or other ways to show your thinking.

Student Responses

20 ducks. Sample responses:

- 4×5
- 5, 10, 15, 20

