Lesson 1: Can You Share?

Standards Alignments

Addressing	2.OA.C
Building Towards	2.OA.C.3

Teacher-facing Learning Goals

- Determine whether a group of objects can be arranged into 2 equal groups.

Student-facing Learning Goals

- Let's share groups of objects equally with a partner.

Lesson Purpose

The purpose of this lesson is for students to arrange a number of objects into 2 equal groups and learn that some numbers of objects can be put into two equal groups without any objects left over.

In this lesson, students learn that some numbers of objects can be split into two equal groups, without any objects left over, and other numbers cannot. The work of this lesson builds on students' real-world experiences with equal sharing and prepares them to understand and use the terms even and odd to describe groups of objects in future lessons (MP6). In the first activity, students separate objects into 2 equal groups and begin to create a list of numbers that can be split into 2 equal groups. In the second activity, they are given access to objects, but are also encouraged to consider other representations of numbers, including equations, that may show a number of objects as 2 equal groups or 2 equal groups and 1 leftover.

Students should have access to objects (connecting cubes or counters) throughout the lesson, including the cool-down.

Access for:

Students with Disabilities

- Action and Expression (Activity 1)

Instructional Routines

MLR8 Discussion Supports (Activity 1), Notice and Wonder (Warm-up)

Materials to Gather

- Connecting cubes or counters: Activity 1,

Activity 2

Lesson Timeline

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

Teacher Reflection Question

What ideas did students already have about the number of objects that can be made into equal groups? How did you elicit and use these ideas during the lesson?

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

5 min

Share with Your Partner

Standards Alignments

Addressing 2.OA.C

Student-facing Task Statement

Noah and Lin want to share 11 connecting cubes equally. How many will each student get? Will there be any leftovers?

Show your thinking using diagrams, symbols, or other representations. You may use cubes if it helps.

Student Responses

Sample responses:

- Student draws and labels to show 2 equal groups of 5 and 1 leftover.
- $11 = 5 + 5 + 1$. Noah and Lin get 5 cubes each and 1 cube is left over.