

Lesson 11: Pounds and Ounces

Standards Alignments

Addressing 4.MD.A.1, 4.MD.A.2, 4.OA.A.3
Building Towards 4.MD.A.1, 4.MD.A.2

Teacher-facing Learning Goals

- Describe the multiplicative relationship between pounds and ounces.
- Express pounds in terms of ounces.

Student-facing Learning Goals

- Let's explore measurements in pounds and ounces.

Lesson Purpose

The purpose of this lesson is for students to make sense of the relative size of pounds and ounces and to express pounds in terms of ounces.

In previous lessons, students worked with metric units for length, weight, and capacity. Students may have encountered pounds and ounces in various contexts in or outside the classroom. Students may know that pound is the larger unit of the two. This lesson helps students develop a sense of 1 pound as 16 times as heavy as 1 ounce and to use this insight to convert pounds to ounces.

Access for:

Students with Disabilities

- Representation (Activity 2)

English Learners

- MLR8 (Activity 1)

Instructional Routines

Notice and Wonder (Warm-up)

Materials to Copy

- Pounds and Ounces (groups of 4): Activity 1

Lesson Timeline

Warm-up	10 min
Activity 1	20 min

Teacher Reflection Question

In an earlier section, students learned to represent and compare pairs of quantities in terms of multiplication. In what ways did you

Activity 2	15 min
Lesson Synthesis	10 min
Cool-down	5 min

see their current knowledge of multiplicative comparison help or hinder them in performing unit conversions?

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

 5 min

Hungry Birds

Standards Alignments

Addressing 4.MD.A.1, 4.MD.A.2

Student-facing Task Statement

The table shows the pounds of food that 3 species of birds consume in a week.

bird	pounds of food a week	ounces of food a week
golden eagle	7	
pelican	20	
cardinal	$3\frac{1}{2}$	

Complete the table to show how many ounces of food each species eats in a week.

Student Responses

bird	pounds of food a week	ounces of food a week
golden eagle	7	112
pelican	20	320
cardinal	$3\frac{1}{2}$	56