

Lesson 11: Libras y onzas

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

- Exploremos medidas en libras y en onzas.

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

Aves hambrientas

Standards Alignments

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

Student-facing Task Statement

La tabla muestra las libras de comida que 3 especies de aves consumen en un semana.

ave	libras de comida en una semana	onzas de comida en una semana
águila real	7	
pelicano	20	
cardenal	$3\frac{1}{2}$	

Completa la tabla para mostrar cuántas onzas de comida come cada una de las especies en una semana.

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