Lesson 13: Problemas de varios pasos sobre medidas con fracciones

Standards Alignments

Building On   4.NF.B.4.b
Addressing   4.MD.A.2, 4.OA.A.3

Teacher-facing Learning Goals

- Solve multi-step problems that involve multiplicative comparison and measurement with whole numbers and fractions.

Student-facing Learning Goals

- Resolvamos problemas de varios pasos sobre medidas.

Lesson Purpose

The purpose of this lesson is for students to solve multi-step problems that involve multiplicative comparison and measurement in whole numbers and fractions.

In earlier lessons, students learned about the relationship between pounds and ounces and solidified their understanding of how hours, minutes, and seconds are related. In this lesson, they apply these insights to solve multi-step problems, including multiplicative comparison problems. The last activity in the lesson is optional and is a complex puzzle involving pounds and ounces.

This lesson has a Student Section Summary.

Access for:

♿ Students with Disabilities

- Representation (Activity 2)

🌐 English Learners

- MLR8 (Activity 2)

Instructional Routines

MLR4 Information Gap (Activity 1, Activity 2), True or False (Warm-up)

Materials to Copy

- Info Gap: Noah's School Day (Part 2), Spanish (groups of 2): Activity 2

Lesson Timeline

Warm-up	10 min
Activity 1	15 min
Activity 2	20 min
Activity 3	20 min
Lesson Synthesis	10 min
Cool-down	5 min

Teacher Reflection Question

As students shared their ideas today, how did you ensure all students' voices were heard and valued as an important part of the collective learning?

Cool-down (to be completed at the end of the lesson)   🕐 5 min

Galletas de avena con uvas pasas

Standards Alignments

Addressing   4.MD.A.2, 4.OA.A.3

Student-facing Task Statement

Priya necesita avena y uvas pasas para hacer galletas. Necesita 3 libras de avena. Esa cantidad es 4 veces la cantidad de uvas pasas que ella necesita.

¿Cuántas onzas de uvas pasas necesita? Explica o muestra tu razonamiento.

Student Responses

12 ounces. Sample reasoning: One pound is 16 ounces, and 3 pounds is 3×16, which is 48 ounces, so she needs 48 ounces of oats. $48 \div 4 = 12$, so she has 12 ounces of raisins.