

Lesson 21: Resolvamos problemas usando las cuatro operaciones

Standards Alignments

Addressing 3.OA.D.8

Teacher-facing Learning Goals

- Represent two-step word problems using equations with a letter standing for the unknown quantity.
- Solve two-step word problems using the four operations.

Student-facing Learning Goals

- Representemos y resolvamos problemas usando las cuatro operaciones.

Lesson Purpose

The purpose of this lesson is for students to represent and solve two-step word problems using the four operations.

Previously, students have represented and solved two-step word problems using addition, subtraction, multiplication, and division with smaller numbers. In this lesson, students continue to deepen their understanding of two-step word problems as they consider what they need to know to solve problems and think about the relationship between numbers in a problem. Students write equations with a letter standing for the unknown quantity to represent these problems.

This lesson has a Student Section Summary.

Access for:

Students with Disabilities

- Action and Expression (Activity 1)

English Learners

- MLR8 (Activity 2)

Instructional Routines

Notice and Wonder (Warm-up)

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

Check in with your norms and routines. Are they promoting engagement from all your students? Are there any adjustments you might make so that all students do math tomorrow?

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

 5 min

Las manzanas en el puesto de la huerta

Standards Alignments

Addressing 3.OA.D.8

Student-facing Task Statement

En un puesto de la huerta de manzanas hay 225 manzanas. Hay 165 de esas manzanas que no están en cestas. El resto de las manzanas están en 6 cestas, cada una con el mismo número de manzanas. ¿Cuántas manzanas hay en cada cesta?

1. Escribe una ecuación que represente esta situación. Usa una letra para representar la cantidad desconocida.
2. Resuelve el problema. Explica o muestra tu razonamiento.

Student Responses

1. $165 + (6 \times n) = 225$ or $225 - 165 = (6 \times n)$ or $(225 - 165) \div 6 = n$
2. 10 apples. Sample response: I subtracted 165 from 225 to find out how many apples were in baskets. It was 60 apples. I know that 6×10 is 60, so there would be 10 apples in each basket.