

Lesson 19: Situations and Equations

Standards Alignments

Addressing 3.OA.D.8

Teacher-facing Learning Goals

- Represent and solve two-step word problems using equations with a letter standing for the unknown quantity.

Student-facing Learning Goals

- Let's represent and solve problems.

Lesson Purpose

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

In this lesson, students are able to apply what they have learned in this section to write equations that represent two-step word problems using a letter for the unknown quantity. They persevere to solve two-step word problems, and decide if their answer makes sense (MP1).

Access for:

Students with Disabilities

- Engagement (Activity 2)

English Learners

- MLR5 (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

Who has been sharing their ideas in class lately? Make a note of students whose ideas have not been featured in class and look for an opportunity for them to share their thinking in tomorrow's lesson.

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

🕒 5 min

How Many Beads?

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Student-facing Task Statement

Andre has 196 beads. He uses 48 beads to make a craft. Then he gives 30 beads to a friend. How many beads does Andre have left?

1. Write an equation with a letter for the unknown quantity to represent this situation.
2. Solve the problem. Explain or show your reasoning.

Student Responses

1. $196 - 48 - 30 = b$
2. 118 beads. Sample response:

