Lesson 3: Solve Multiplicative Comparison Problems

Standards Alignments

Addressing 4.OA.A.1, 4.OA.A.2

Teacher-facing Learning Goals

- Represent and solve multiplicative comparison problems, including those involving unknown factors.

Student-facing Learning Goals

- Let's solve multiplicative comparison problems.

Lesson Purpose

The purpose of this lesson is for students to interpret and represent multiplicative comparison situations in which a factor is unknown.

In previous lessons, students matched descriptions, equations, and discrete diagrams that represented multiplicative comparison. In this lesson, they write multiplication and division equations, draw diagrams, and use their understanding of the relationship between multiplication and division.

Access for:

Students with Disabilities

- Engagement (Activity 2)

English Learners

- MLR7 (Activity 1)

Instructional Routines

Number Talk (Warm-up)

Materials to Gather

- Connecting cubes: Activity 1, Activity 2

Lesson Timeline

Warm-up	10 min
Activity 1	20 min
Activity 2	15 min

Teacher Reflection Question

Which representations best supported student learning in today's lesson? What evidence do you have this representation supported the understanding of most students?

Lesson Synthesis	10 min
Cool-down	5 min

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

5 min

Back at the Book Drive

Standards Alignments

Addressing 4.OA.A.1, 4.OA.A.2

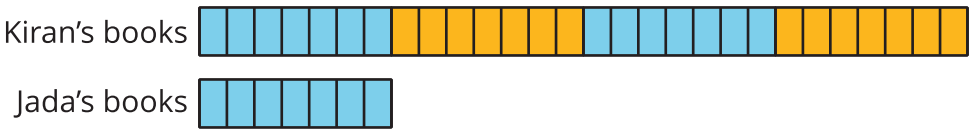
Student-facing Task Statement

Kiran donated 28 books to the book drive. Jada donated some books, too. Kiran donated 4 times as many books as Jada.

How many books did Jada donate? Explain or show your reasoning.

Student Responses

7 books. Sample responses:

- 

- $? \times 4 = 28$ or $4 \times ? = 28$