



Interpret Representations of Multiplicative Comparison

Let's make sense of representations of problems with "times as many."

Warm-up

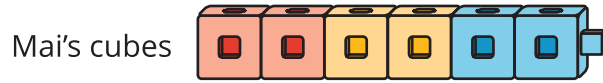
How Many Do You See: Times as Many

How many do you see? How do you see them?



Activity 1

Represent “Times as Many”



1. Jada has 4 times as many cubes as Kiran. Draw a diagram to represent the situation.
2. Diego has 5 times as many cubes as Kiran. Draw a diagram to represent the situation.
3. Lin has 6 times as many cubes as Kiran. How many cubes does Lin have? Explain or show your reasoning.

Activity 2

Diagrams to Solve Multiplicative Comparison Problems

Here are 4 sets of descriptions, diagrams, and equations that compare pairs of quantities. Match each description to a diagram and an equation that represent the same situation.

A	B
Lin has 3 cubes. Jada has 2 times as many.	Han has 3 cubes. Elena has 3 times as many.
C	D
$2 \times 3 = 6$	Priya had 5 cubes. Noah had 3 times as many.
E	F
$3 \times 5 = 15$	$4 \times 4 = 16$
G	H
quantity 1 	quantity 1 
quantity 2 	quantity 2 
I	J
$3 \times 3 = 9$	Mai has 4 cubes. Diego has 4 times as many.
K	L
quantity 1 	quantity 1 
quantity 2 	quantity 2 

Record your matches here:

Set 1: _____, _____, _____

Set 2: _____, _____, _____

Set 3: _____, _____, _____

Set 4: _____, _____, _____

