Unit 5, Lesson 2

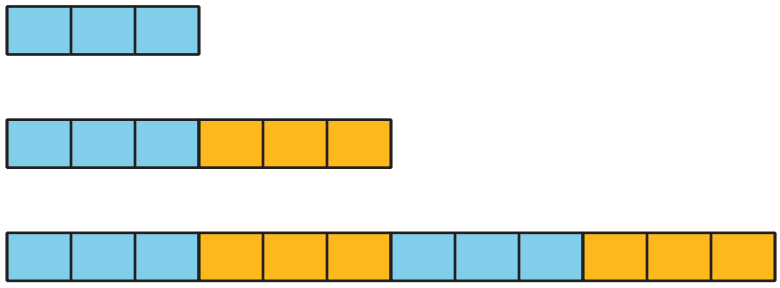
Interpret Representations of Multiplicative Comparison

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

Warm-up

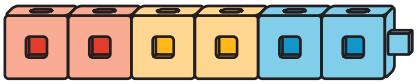
How Many Do You See: Times as Many

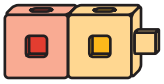
How many do you see? How do you see them?



Activity 1

Represent "Times as Many"

Mai's cubes 

Kiran's cubes 

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.

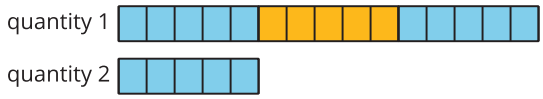
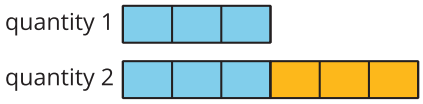
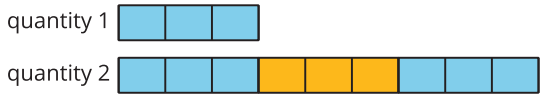
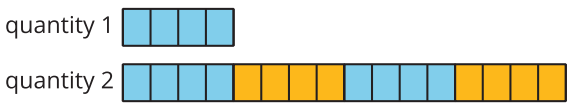
3. Lin has 6 times as many cubes as Kiran. How many cubes does Lin have? Explain or show your reasoning.

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

Record your matches here:

Set 1: _____, _____, _____

Set 2: _____, _____, _____

Set 3: _____, _____, _____

Set 4: _____, _____, _____