



Interpret Representations of Multiplicative Comparison

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

Warm-up

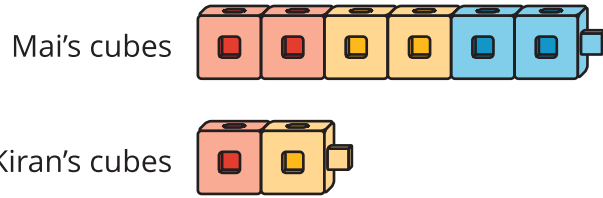
How Many Do You See: Times as Many

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.

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

Record your matches here:

Set 1: _____, _____, _____

Set 2: _____, _____, _____

Set 3: _____, _____, _____

Set 4: _____, _____, _____

