1. Using stacks of same-colored cubilinks, find the number of different ways you can distribute:

   (a) 3 cubes to 2 people. (b) 4 cubes to 2 people. (c) 5 cubes to 2 people.

   (d) 3 cubes to 3 people. (e) 4 cubes to 3 people. (f) 5 cubes to 3 people.

2. Make a conjecture about how many different ways you could distribute 7 cubes to 4 people. Explain.

3. What if each person were required to get *at least one* cube? How would your answers change?