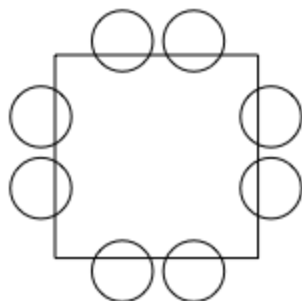


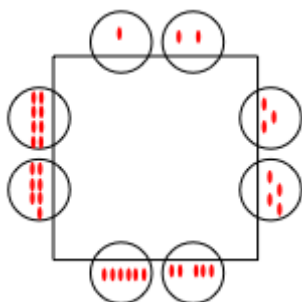


Sitting Round the Party Tables

Some children are at a party. They are sitting around a square table like this:



In the top left-hand corner is the person who is giving the party. They have a bag of sweets and they start giving them out in a clockwise direction: one for themselves, two for the next person, three for the next and so on.



What do you notice?

You might like to focus on:

- The number of sweets that are given out altogether
- The total number of sweets that children sitting opposite each other are given
- The total number of sweets that children sitting diagonally opposite each other are given
- Or something else!

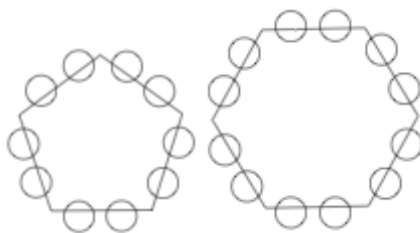
There are other similar parties happening at the same time. They have bigger square tables with more children sitting around them - perhaps 3 children on each side, or maybe more.

Draw some of these tables. What do you notice? You can choose one of the areas above to focus on, or you might have your own ideas about what to investigate.



Sitting Round the Party Tables

Once you've thought about that, you might like to explore what happens with five- and six-sided tables like these:



What do you notice?