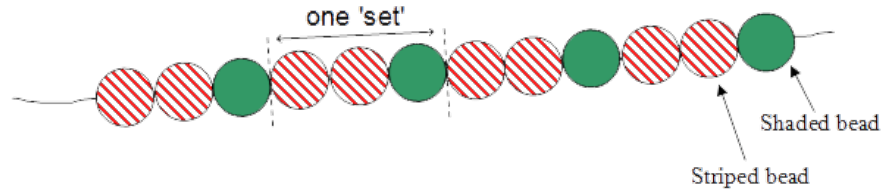


Repeating bead patterns II

This task is about repeating patterns.



Three students thread some beads on a string to make a repeating pattern.

a) Maraea has 7 'sets' of the pattern.

i) How many striped beads does she have?

ii) How many shaded beads does she have?

b) David has 8 striped beads. How many shaded beads does he have?

c) Sarai has 6 shaded beads. How many striped beads does she have?

d) In the table below write how many *striped* or *shaded* beads are needed for each set of the repeating pattern.

Number of sets	Beads	
	Number of <i>striped</i> beads	Number of <i>shaded</i> beads
1	<input type="text"/>	<input type="text"/>
2	<input type="text"/>	<input type="text"/>
3	<input type="text"/>	<input type="text"/>
5	<input type="text"/>	<input type="text"/>
10	<input type="text"/>	<input type="text"/>
40	<input type="text"/>	<input type="text"/>

Explain how you can work out the number of striped beads, and the number of shaded beads from the number of 'sets'.