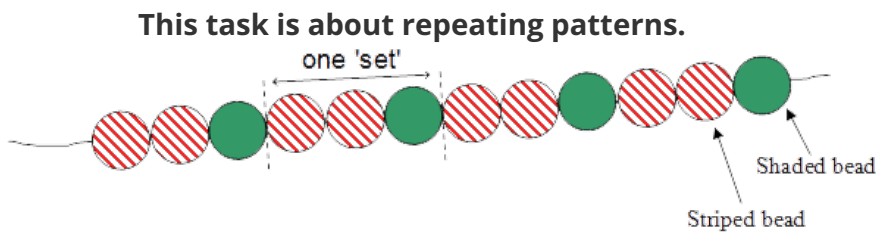# Repeating bead patterns II

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 *striped* beads	Number of *shaded* beads
1	☐	☐
2	☐	☐
3	☐	☐
5	☐	☐
10	☐	☐
40	☐	☐

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

☐