Repeating bead patterns

This task is about describing and predicting repeating patterns.

Practical task

Your teacher will give you some beads of different colours and some threading string.

a) Put 5 beads on the string. Make sure you use 3 different colours.

- Make a pattern by adding another 5 beads in exactly the same order as the first 5.
- Carry on making this pattern by adding another 5 beads in the same order.
- Ask your teacher to check your pattern before filling in the table below.
- Write the colour of each bead in your pattern on the table below, starting with the first bead.

Number of bead	Colour
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	

b) i) What colour will the 20th bead in your pattern be? _____

    ii) How did you work out your answer?

_____

c) i) What colour will the 71st bead in your pattern be? _____

    ii) How did you work out your answer?

_____