PA6-1: Increasing Sequences

In an increasing sequence, each number is greater than the one before it.

Deborah wants to continue the number pattern:

She finds the **difference** between the first two numbers:







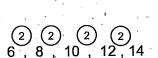
6,8,10,12,?

② 6,8,10,12,<u>?</u>

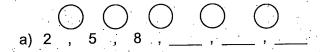
She finds that the difference between the other numbers in the pattern is also 2. So the pattern was made by adding 2:

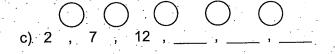
To continue the pattern, Deborah adds 2 to the last number in the sequence.

The final number in the pattern is 14:

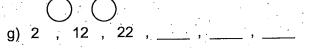


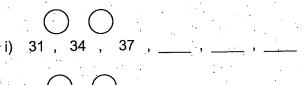
1. Extend the following patterns. Start by finding the gap between the numbers.

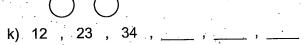












2. A plant that is 17 cm high grows 2 cm each day.



