18 Here is a sequence of patterns made with counters.
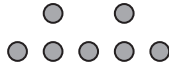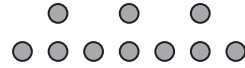

pattern number 1   pattern number 2   pattern number 3

(a) Find an expression, in terms of n, for the number of counters in pattern number n.

CE18A

(2)

Bayo has 90 counters.

(b) Can Bayo make a pattern in this sequence using all 90 of his counters?
You must show how you get your answer.

(2)

(Total for Question 18 is 4 marks)