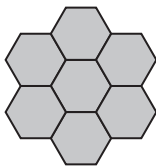
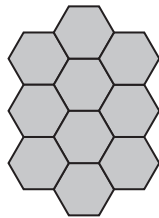


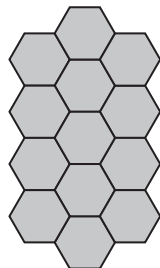
9 Here is a sequence of patterns made from regular hexagons.



pattern number 1



pattern number 2



pattern number 3

The total number of hexagons in pattern number 1 is 7

(a) Find the total number of hexagons in pattern number 4

.....  
(1)

The total number of hexagons in pattern number 100 is 304

(b) Work out the total number of hexagons in pattern number 105

.....  
(2)