

Dot patterns

This task is about identifying the number of dots in different shapes of a spatial growing pattern.



1st



2nd



3rd

a) i) Complete the table to show how many dots are in the 3rd and 4th shapes above.

shape	1st	2nd	3rd	4th
number of dots	5	9		

ii) How many dots will be in the 8th shape of this pattern?



1st



2nd



3rd

b) i) Complete the table to show how many dots are in the 3rd and 4th shapes above.

shape	1st	2nd	3rd	4th
number of dots	8	13		

ii) How many dots will be in the 9th shape of this pattern?



1st



2nd



3rd

c) i) Complete the table to show how many dots are in the 3rd and 4th shapes above.

shape	1st	2nd	3rd	4th
number of dots	3	6		

ii) How many dots will be in the 7th shape of this pattern?