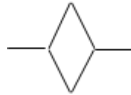


Making more stick patterns

This task is about using ice block sticks to make patterns and finding a rule for the pattern.

- a) Use your sticks to make shape 1 of the pattern below.
Add the correct number of sticks to make shape 2 and then shape 3.
- b) Add the correct number of sticks to make **shape 6** of the pattern.
Draw these shapes in the space below.

shape 1



shape 2



shape 3



shape 6

- c) Write the number of sticks you used for each shape on the table below.
The first two have been done for you.

Shape	Number of sticks
1	6
2	10
3	
...	...
7	
10	
15	

- d) Describe a rule that helps you work out the **number of ice block sticks** needed for any shape number?

For example, write a rule that would help work out how many sticks are needed to make Shape **100**.
