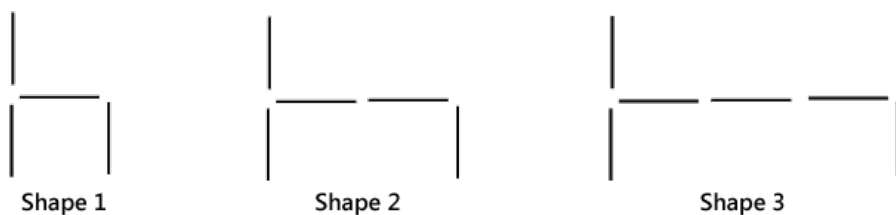


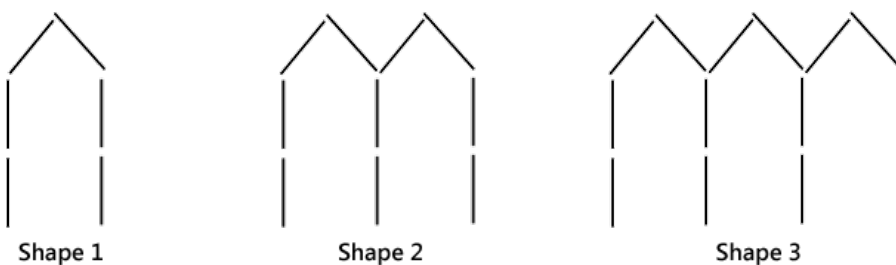
# Stick patterns and rules

This task is about describing rules for spatial patterns.

The growing patterns in this task have been made up from ice block sticks.



For the shapes in the pattern above, write a rule to explain how to work out how many ice block sticks are needed for any shape number (for example, someone may ask how many ice block sticks are needed to make shape 67).



For the shapes in the pattern above, write a rule to explain how to work out how many ice block sticks are needed for any shape number (for example, someone may ask how many ice block sticks are needed to make shape 52).