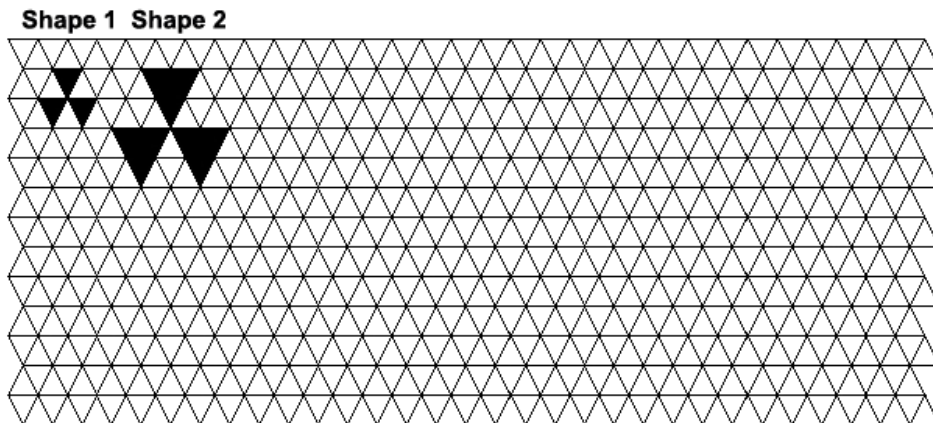# Turbine patterns

This task is about continuing a pattern and describing a rule for the pattern.

Shape 1 Shape 2

The shapes above are called turbines. Each turbine has 3 blades.

a) Draw in the next **two** shapes in this series.

b) Complete this table.

Shape number (*s*)	1	2	3	4	5
i) Number of little triangles in **each blade**	1	4			
ii) Number of little triangles in the **whole shape**	3	12			

c) Complete the rule for each row of the table.

The number of little triangles in **each blade** of shape number

i) *s* = _____

The number of little triangles in the **whole of shape** number

ii) *s* = _____

d) How many triangles would there be in shape number 8?   _____