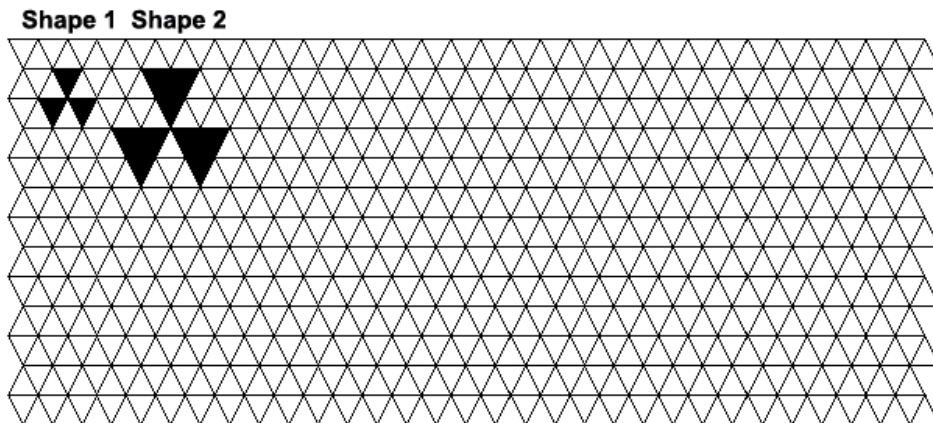


# Turbine patterns

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



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

- Draw in the next **two** shapes in this series.
- Complete this table.

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

- 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)  $s =$  \_\_\_\_\_

- How many triangles would there be in shape number 8? \_\_\_\_\_