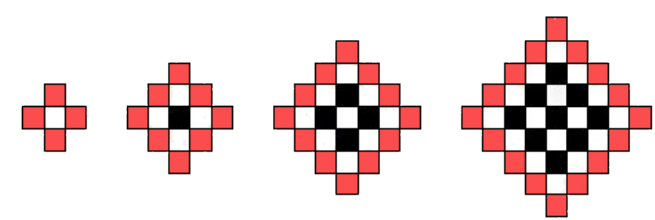


# Tukutuku patterns

This task is about the number of shapes used and the rule for a growing tukutuku pattern.

Tukutuku are the woven panels that are inside wharehenui on marae. Tukutuku panels often tell stories through their patterns.



Shape 1      Shape 2      Shape 3      Shape 4

- a) Write the number of each colour of square in Shapes **5**, **7**, and **10** in the table below.  
 The first row, for Shape 4, has been done for you.
- b) In the last row, write a **rule** for calculating the number of each colour of square.

Shape number	Red squares	White squares	Black squares
4	16	16	9
5	<input type="text"/>	<input type="text"/>	<input type="text"/>
7	<input type="text"/>	<input type="text"/>	<input type="text"/>
10	<input type="text"/>	<input type="text"/>	<input type="text"/>
Rule	<input type="text"/>	<input type="text"/>	<input type="text"/>