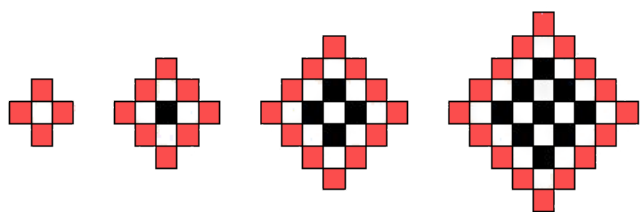


Tukutuku patterns

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"/>

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