

Patterning and Algebra



Learning Goals



- ✓ We are learning to identify, describe, extend, and create repeating patterns, growing patterns, and shrinking patterns
- ✓ We are learning to create a repeating pattern by combining two attributes
(colour and shape: colour and size)



Growing and Shrinking Patterns

Growing patterns change by
adding or subtracting the same
number over and over

2,4,6,8,10... Grows pattern

10,8,6,4 ... Shrinking pattern



Patterns

A pattern repeats itself

ABC ABC ABC ABC

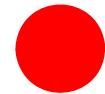
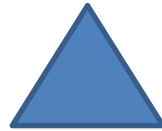
**The pattern core is the part
of the pattern that repeats**

ABC

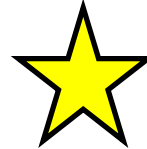
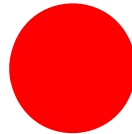
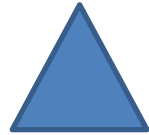
Attributes

The attribute of an object describes something about that object. For example, colour, size, shape, and position

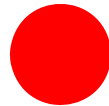
Size:



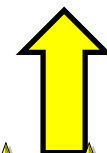
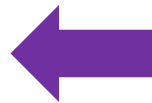
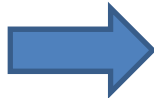
Colour:



Shape:



Position:



Sorting

Sorting is putting things into groups

Sorting Rule: grouping things according to attributes (shape, colour, size, position)

Venn Diagram: a tool used for sorting and to compare (similarities) and contrast things (differences)

