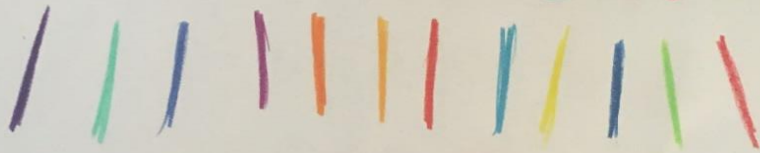


GROWING PATTERNS



- How do the colours help you to explain how the pattern is growing?
- Growing a Pattern

• This Function Machine is multiplying the input by 3 to produce the output value.

Input	Output
3	9
5	15
1	3
4	12
10	30
100	300
x	3x



The colours explain what to add, and the way it grows.



As the animal grows you are multiplying by 3 and add 4 $3x + 4$.

Pattern Number	1	2	3	4	5	6	7	8	9	10
Number of cubes	7	10	13	16	19	22	25	28	31	34