

Maths

Reasoning about pattern and sequences: Identifying patterns.

Independent task

Mr Critchlow



Task 1

Can you work out the solutions to the calculations? Write the answers in Roman numerals too

Calculation	Answer
$XV + XV$	
$XXIII + XXIII$	
$MMII + MMII$	
$MMV + MMV$	
$CLXXI + CLXXI$	
$DCVII + DCVII$	

Don't forget:

I	1
V	5
X	10
L	50
C	100
D	500
M	1000



Task 2

Can you write the first 6 terms in each sequence – follow the rule and pay attention to the start number

1. The rule is add 10, the start-point is 11

2. The rule is add 5, the start-point is 37

3. The rule is subtract 13, the start point is 9

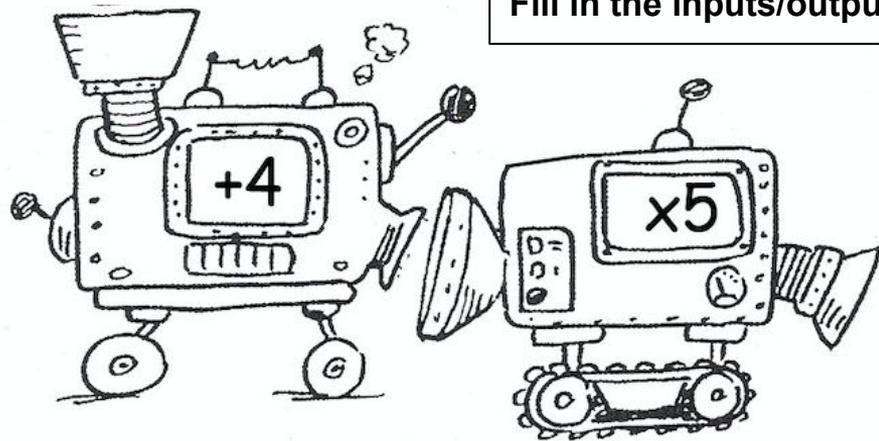
4. The rule is subtract 9, the start point is 25

5. The rule is add 100, the start point is -394

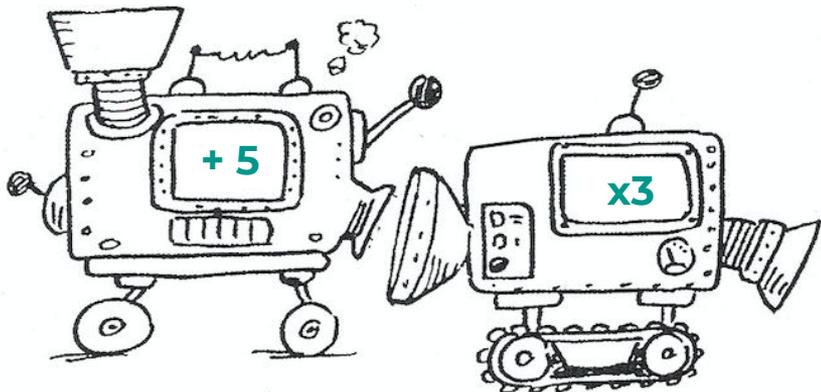
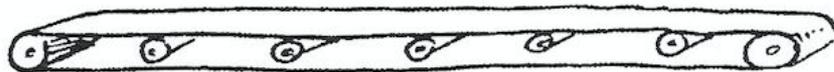


Challenge

Fill in the inputs/outputs from these function machines.



in	4	12	9	20	11	7
out						



in						
out	45	48	42	36	33	27

