Name ....
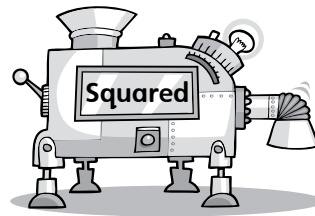
Function machine inputs

1. Work out the input numbers of these three function machines.

 × 8

 × 7

 Squared
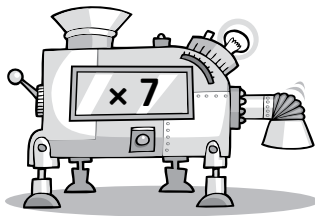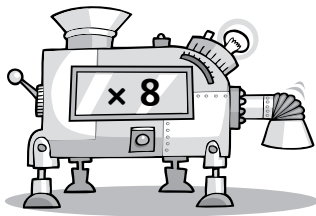
In	Out
	32
	48
	560
	720
	64
	80

In	Out
	35
	21
	42
	700
	63
	56

In	Out
7	49
	25
	36
	81
	16
	64

2. This machine does two things to each number. Complete the table.

In	Step 1	Step 2 and out
3	18	22
10		
9		
1		
15		
11		

In

 × 6 → + 4

Out
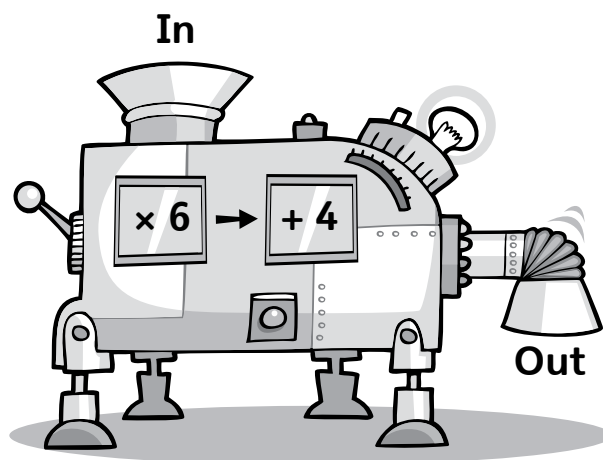
 I can look at the output of a function machine and work out the input

Algebraic thinking: Understanding and explaining