

Last term (Y6 Autumn term)

Which is the greater number in each pair?

▶ 62,800 60,820

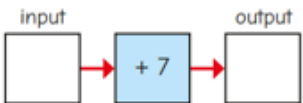
▶ 247,612 247,162

▶ 8,642,371 8,643,271

Explain how you know.

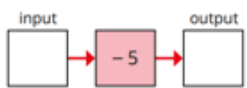
Previous learning... 1-step function machines

- Mo has made a function machine.



If the input is 5, the output is 12

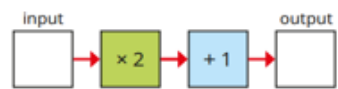
- ▶ If the input is 7, what is the output?
- ▶ If the input is 4,023, what is the output?



Input	5	23	5.1	23.2	0	-3	-5
Output							

We are currently learning... 2-step function machines

- Here is a 2-step function machine.



- ▶ If the input is 5, what is the output?
- ▶ If the input is 10, what is the output?

- Complete the tables for the function machines.



Input	3	4	5	10
Output				



Input	3	4	5	10
Output				

What do you notice?

We are learning next... Formulae

- Fay makes a sequence of patterns with stars and circles.



Complete the table to show the number of circles and stars in the patterns.

Number of stars	1	2	3	5		
Number of circles	2				18	30

If s = number of stars and c = number of circles, which formula describes Fay's pattern?

$s = 2 + c$
 $c = s + 2$
 $c = 2s$
 $s = 2c$
 $2s = c + 2$