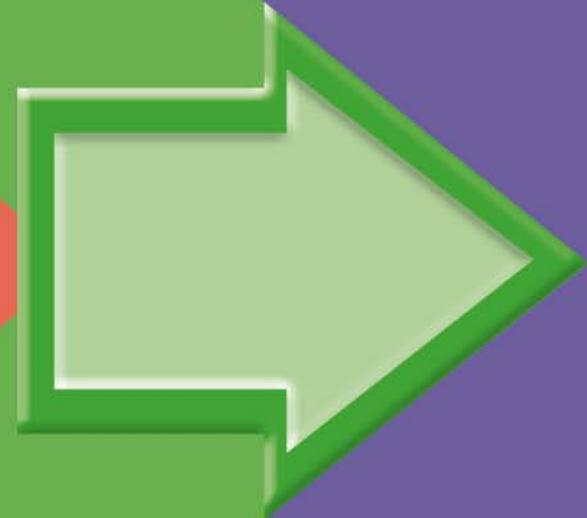


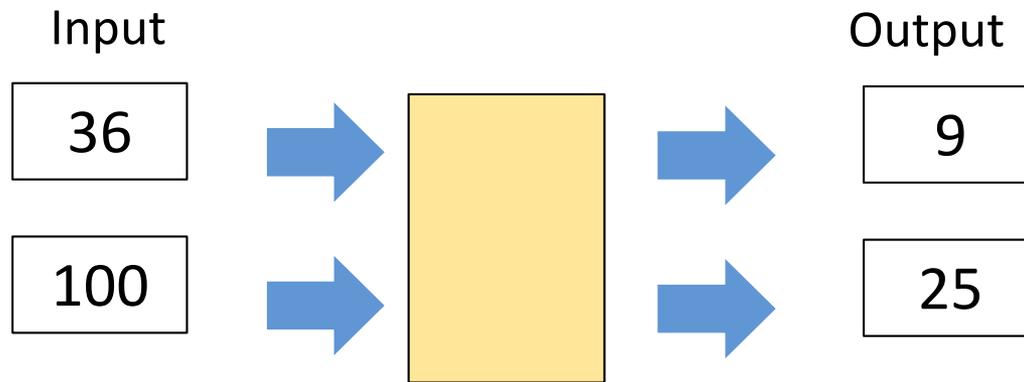
FIND A RULE - TWO  
STEP



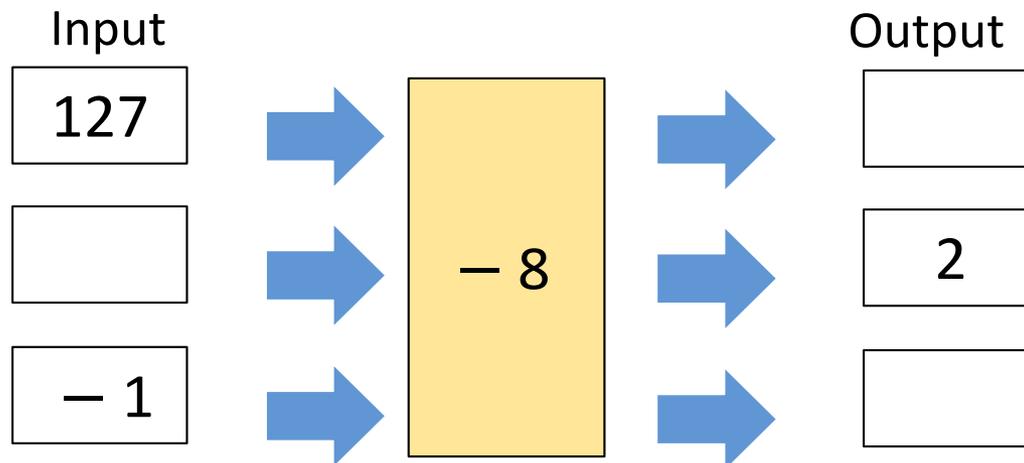
**GET READY**



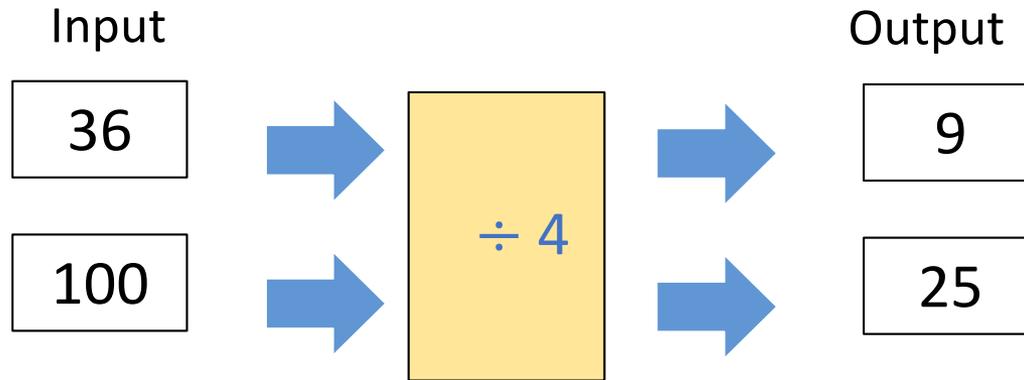
1) Write the missing function in the function machine.



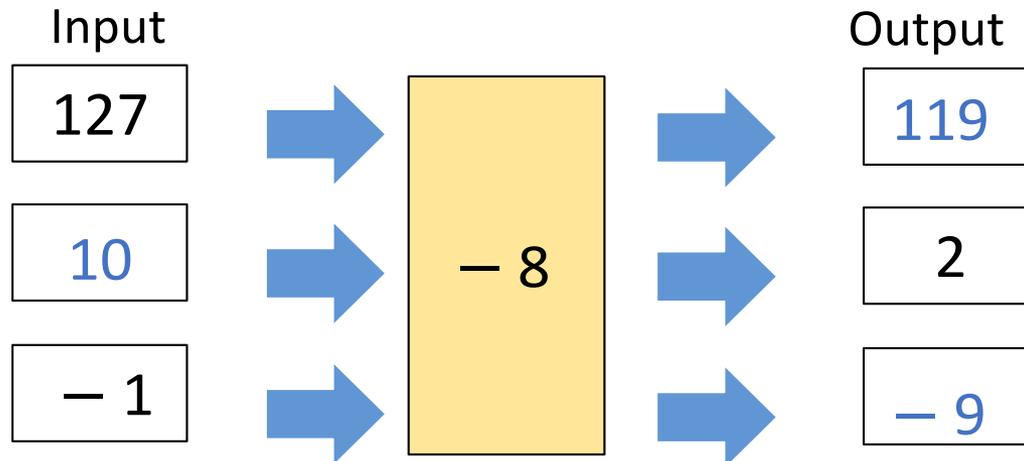
2) Calculate the missing inputs and outputs for the function machine.



1) Write the missing function in the function machine.



2) Calculate the missing inputs and outputs for the function machine.



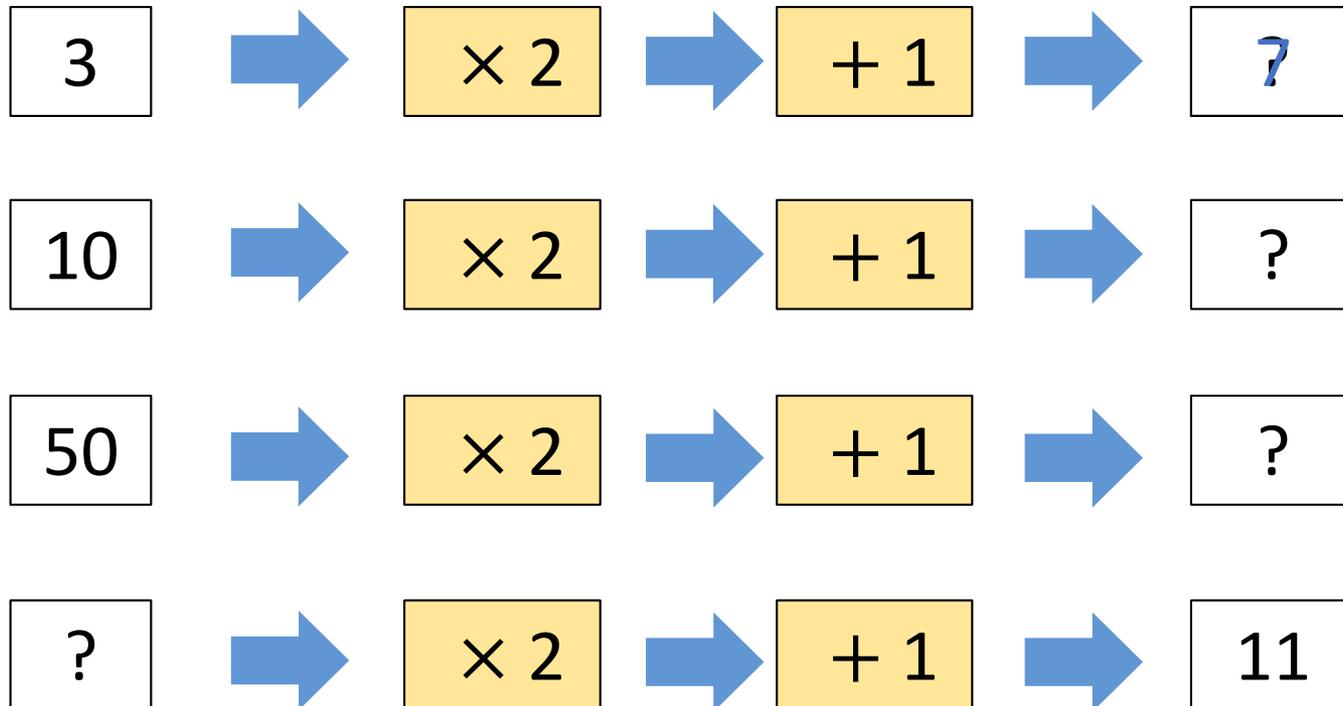
LET'S LEARN



A function machine is a way of writing rules.

Input

Output



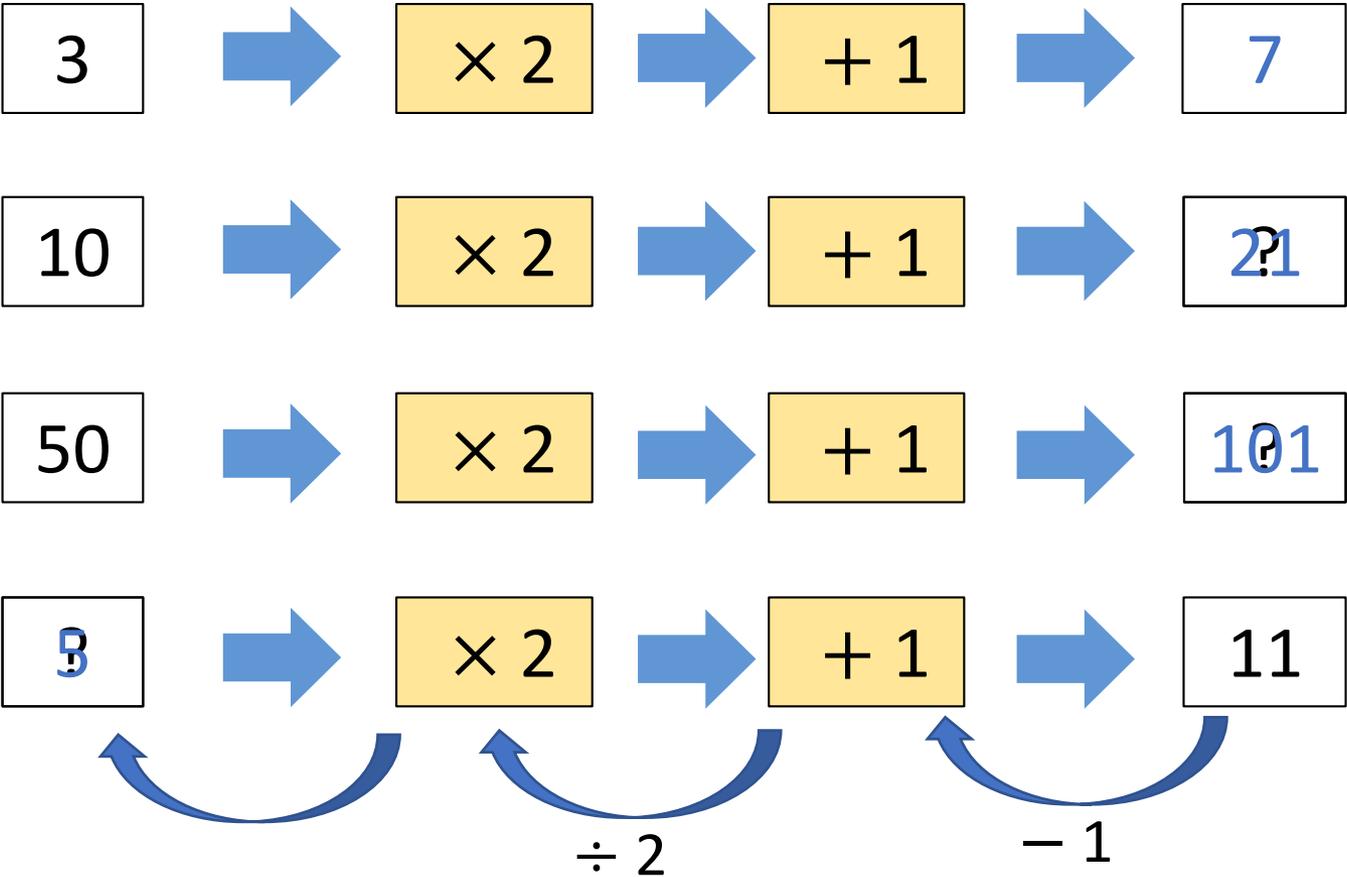
Have a think



A function machine is a way of writing rules.

Input

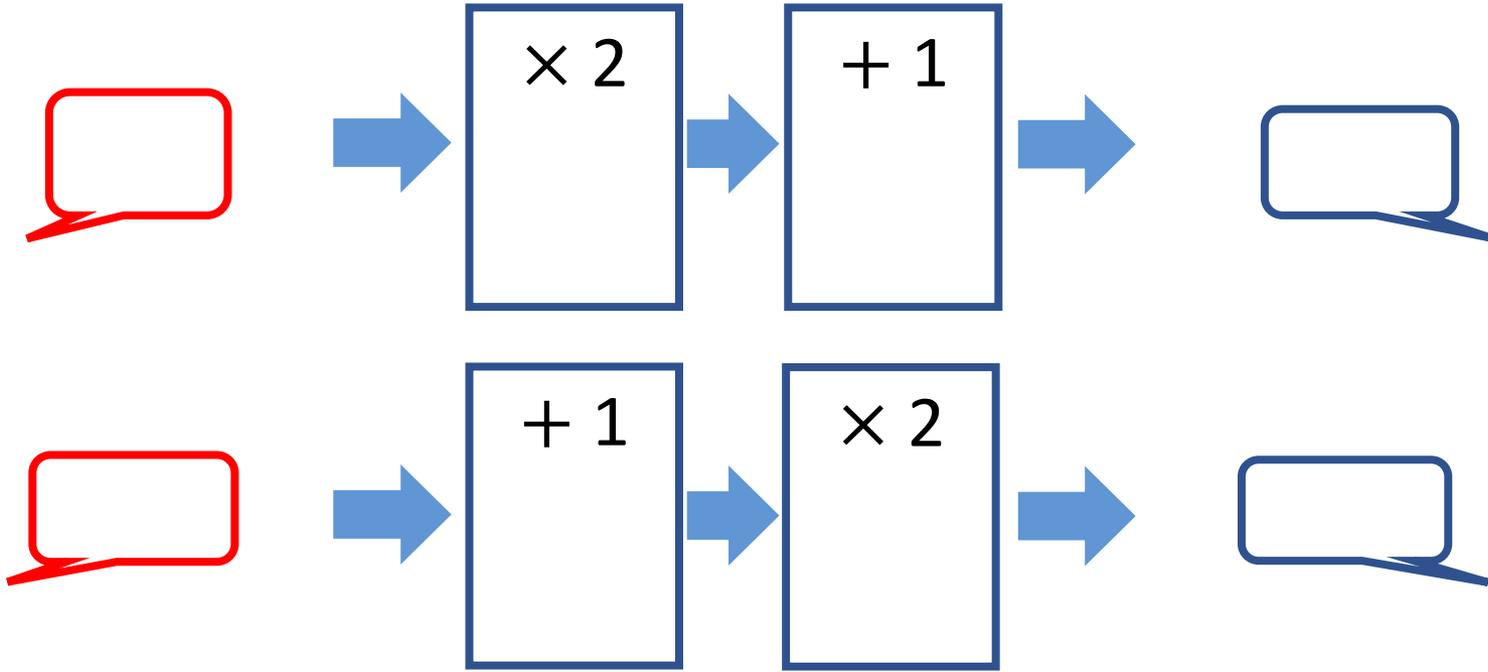
Output



Input

Functions

Output



I wonder if it makes a difference which order the functions are in ...



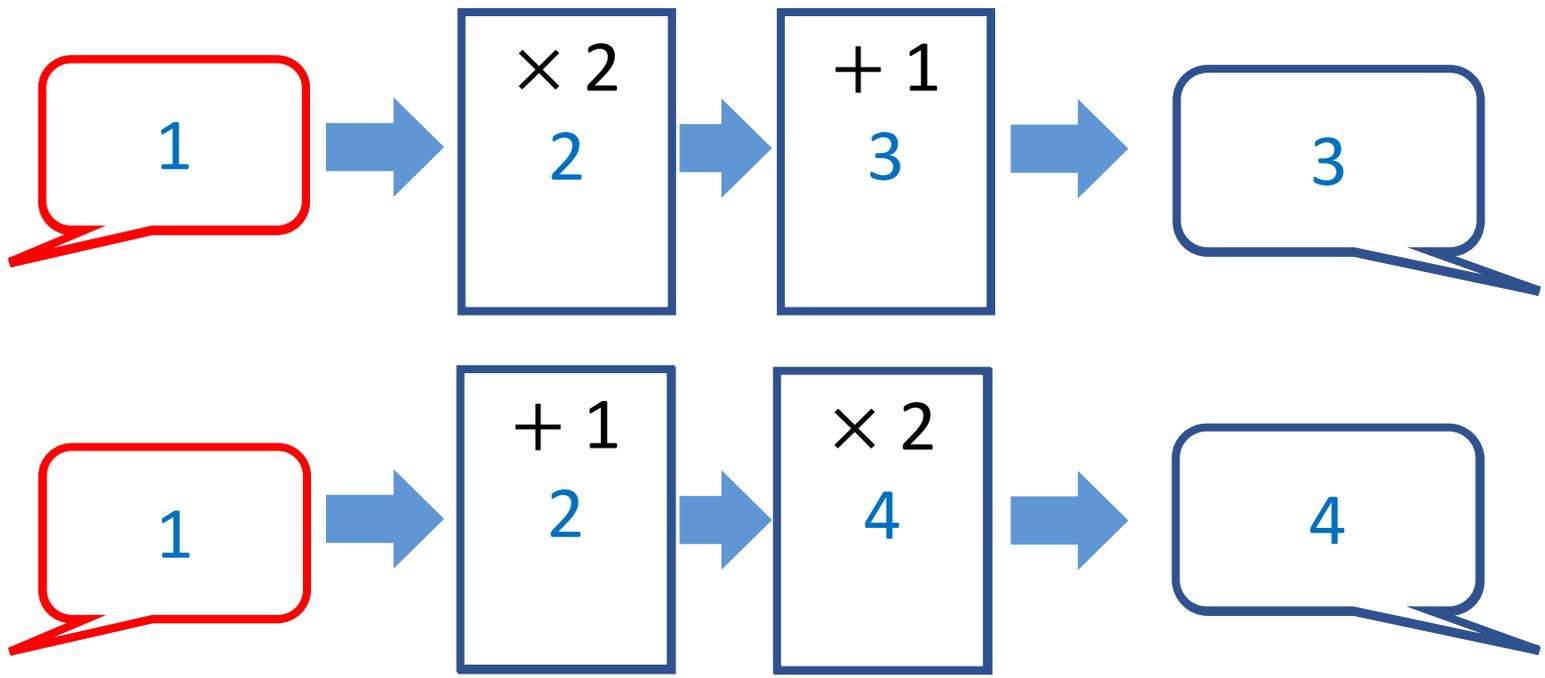
Have a think



Input

Functions

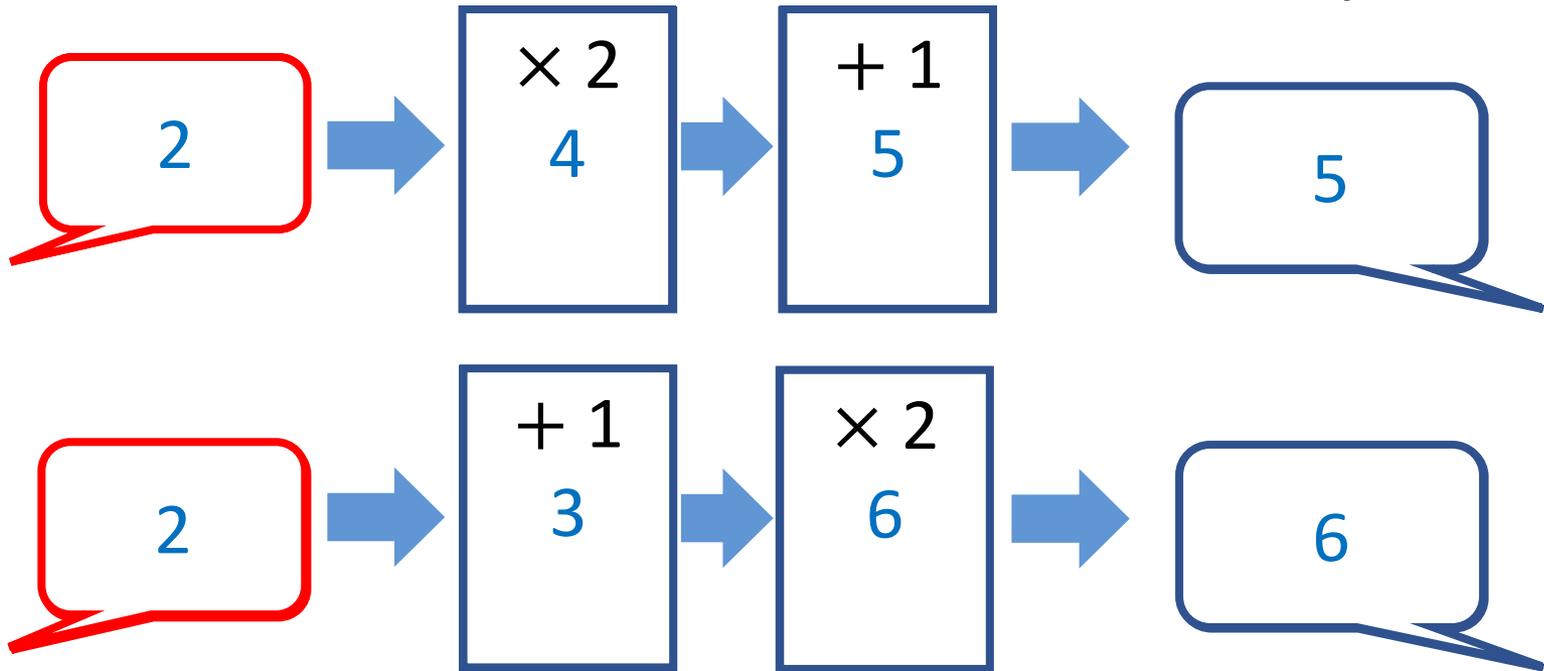
Output



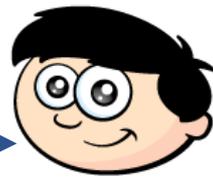
Input

Functions

Output



If the inputs are the same, the output for the second machine is always 1 greater.



Do you agree with Dexter?

**YOUR TURN**

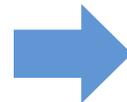
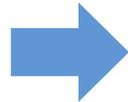
Have a go at questions  
1 - 3 on the worksheet



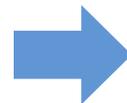
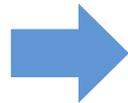
# True or False

These function machines will give the same output if the input is the same.

Input



Output

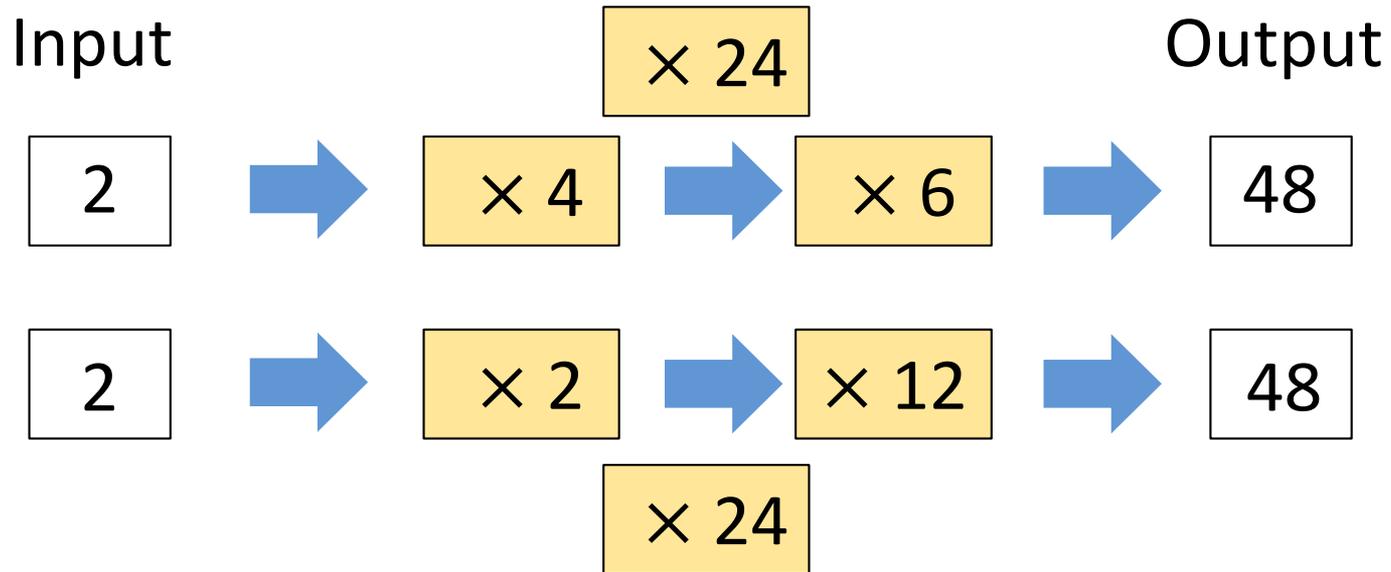


Have a think

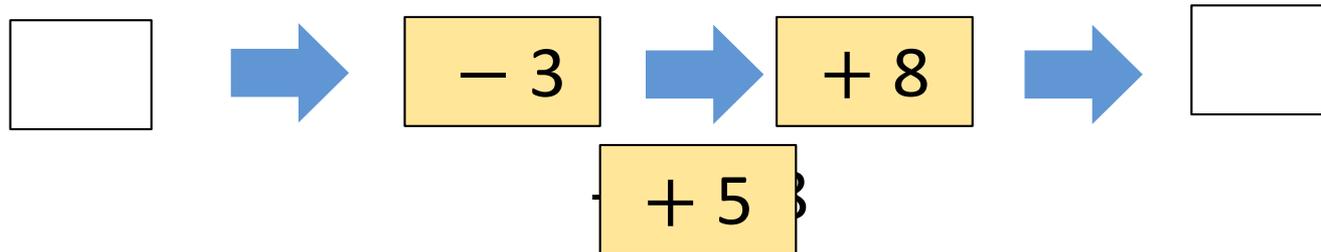
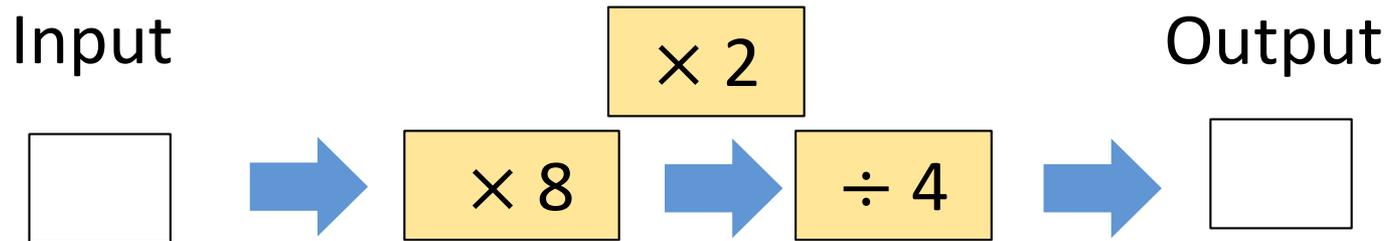


# True or False

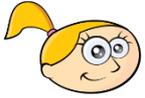
These function machines will give the same output if the input is the same.



For each function machine, write a single step that would give the same output.



Have a think 



Eva is ordering some crayons online. She needs to buy 22 crayons altogether.

How much will it cost for 22 crayons including delivery?



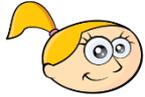
30p each

£1.60 to deliver

Create a function machine to help you.

Have a think





Eva is ordering some crayons online. She needs to buy 22 crayons altogether.

How much will it cost for 22 crayons including delivery?

£8.20

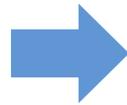


30p each

£1.60 to deliver

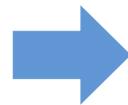
Input

22

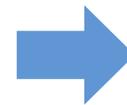


$\times 0.30$

£6.60



$+ \text{£}1.60$



Output

£8.20

$$22 \times 3 = 66$$

$$22 \times 0.3 = 6.6$$

**YOUR TURN**

Have a go at the rest of  
the questions on the  
worksheet

