

Maths – Finding a Rule – one step.

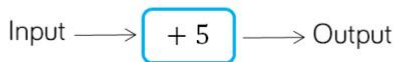
Q1. Here is a function machine.



- What is the output if the input is 2?
- What is the output if the input is 7.2?
- What number went in if the output was 22?
- What is the output if the input is a ? What about if you put x in?

Q2.

Complete the table for the given function machine.



Input	5	5.8	10	-3	-8				a	y
Output						9	169	0		

Q3.

Work out the functions

(a)



Reasoning and Problem Solving

Q1.

Meg has a one-step function machine.

She puts in the number 6 and the number 18 comes out

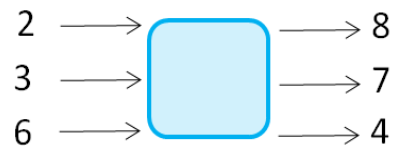


What could the function be?

How many different answers can you find?

Q2.

Giles puts in some numbers into a function machine.



What is the output from the function when the input is 16?

Can you make up some questions of your own? Create a function machine (input, output) or questions that use a one-step rule. Try and be inventive / tricky? Can the people at home solve your problems?