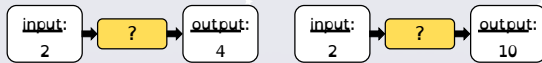


To be able to find and express a one-step rule



Starter:

Referring to the function machines below, what's the same? What's different?



Explain your answer.

To be able to find and express a one-step rule



Activity 1:

Referring to the function machine shown, complete the following sentences:



- a) If the input is 11, the output will be
- b) If the input is 122, the output will be
- c) If the input is 32.1 the output will be
- d) If the output is 12, the input was
- e) If the output is 88, the input was
- f) If the output is 92.4, the input was

To be able to find and express a one-step rule



Activity 2:

Complete the table below based on the function machine provided.



input	2	2.3	10	- 4	- 9			
output						24	179	0

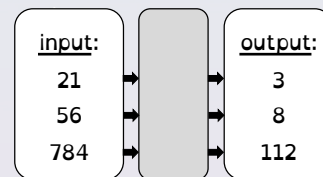
To be able to find and express a one-step rule



Activity 3:

Find the missing function.

Create your own question and set it for your table partner.

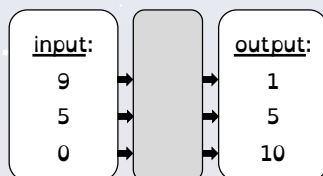


To be able to find and express a one-step rule



Activity 4:

Ruth puts the following numbers into the function machine shown. What is happening? What would the output be if the input were 100?



To be able to find and express a one-step rule



Activity 5:

Yasmin puts a number into the function machine shown.



One of her numbers is a factor of the number 20. The other number is a square number.

What is her input? What is her output? Explain your answer.



To be able to find and express a one-step rule



Evaluation:



The only possible function is multiplying the input by 4.



Do you agree?

Explain your answer.