



1) Give the missing function and missing inputs for this two-step function machine.

Function

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Input 12

12

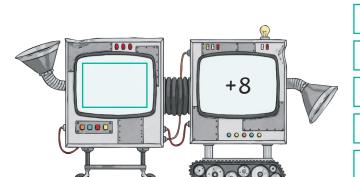
20

a)

b)

c)

d)



Output

11

13

14

88

9.2

17.75

2) a) Give an input number, two functions and an output that follow the rules set by the function machine.

Input

Function

Function

Function

Output

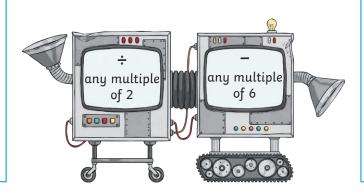
4

16

24

Make each number in four different ways.

Any whole number up to 200



For example:

= 4

b) Now use the function machine to make two output numbers of your choice that are >100. Make each number in four different ways. Are there any numbers that can't be made?