

# Function Machines

What is the machine doing? Use the table to find a rule.  
Write your answer in the box.



<b>INPUT</b>	2	5	1	3	0
<b>OUTPUT</b>	6	9	5	7	4

1.

Fill in the missing numbers according to this rule.



2.

# Function Machines

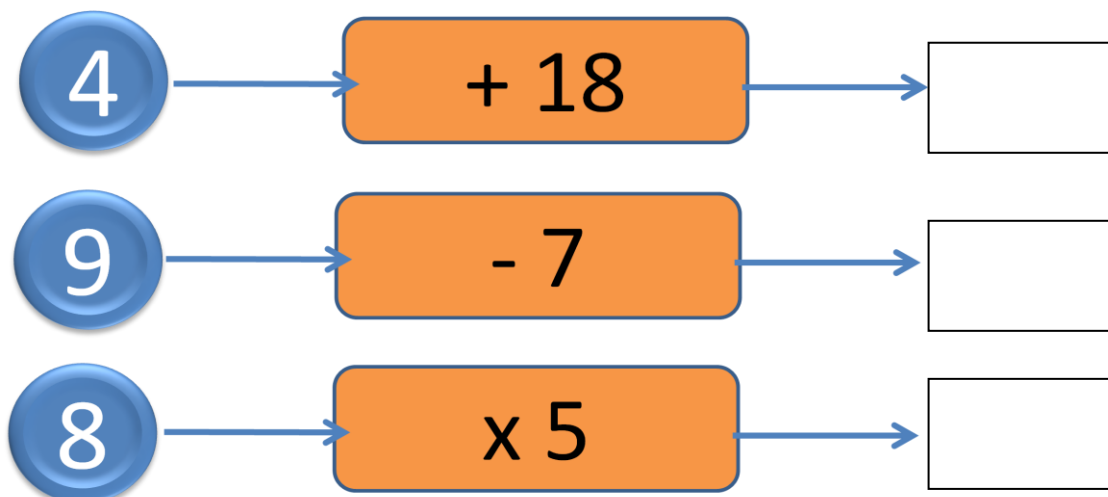
What is the machine doing? Use the table to find a rule.  
Write your answer in the box.



INPUT	2	5	1	3	0
OUTPUT	18	33	13	23	8

3.

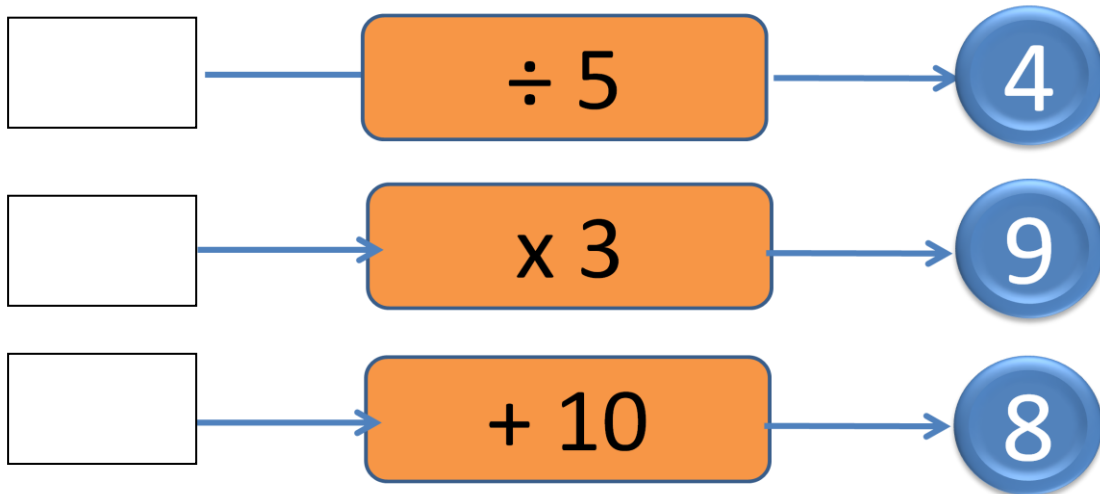
What is the output of these function machines?



4.

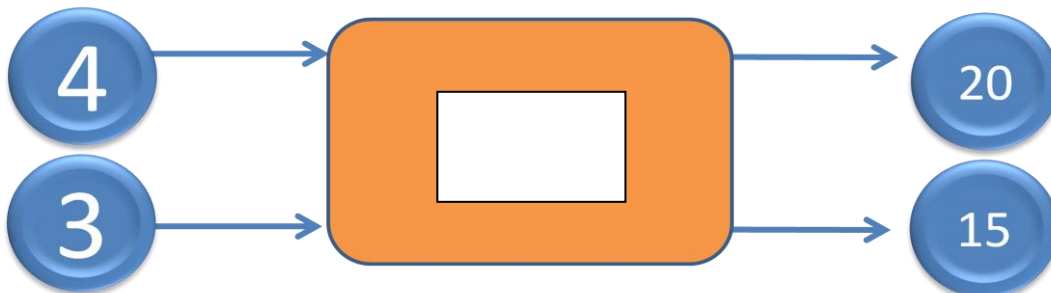
# Function Machines

What number was put into this function machine?



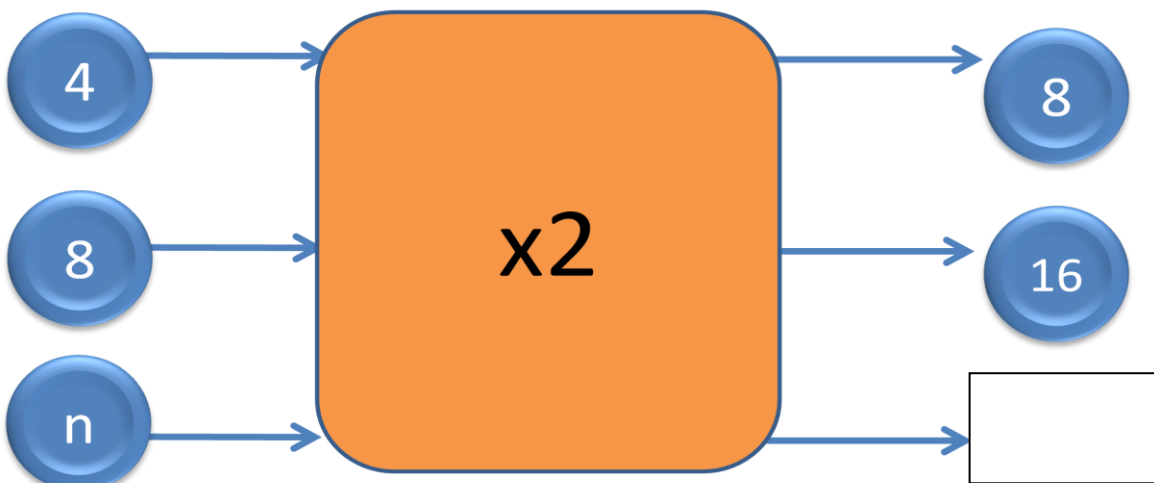
5.

What rule should go in the function machine?



6.

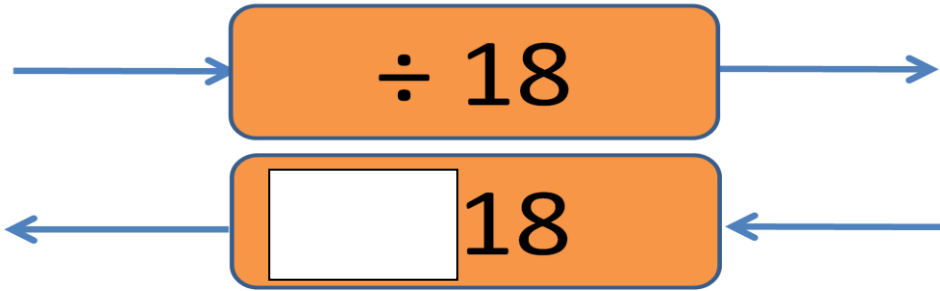
Fill in the missing output



7.

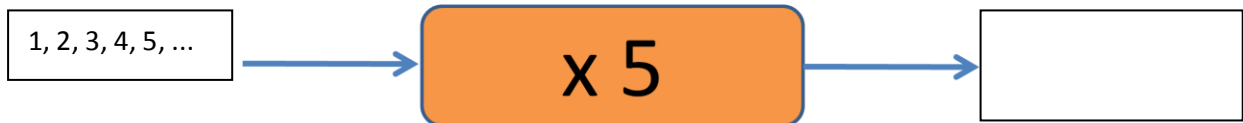
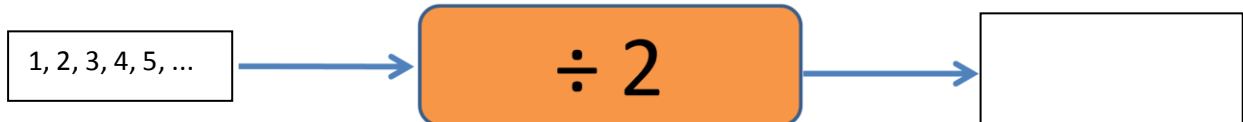
# Function Machines

What is the inverse of this rule?



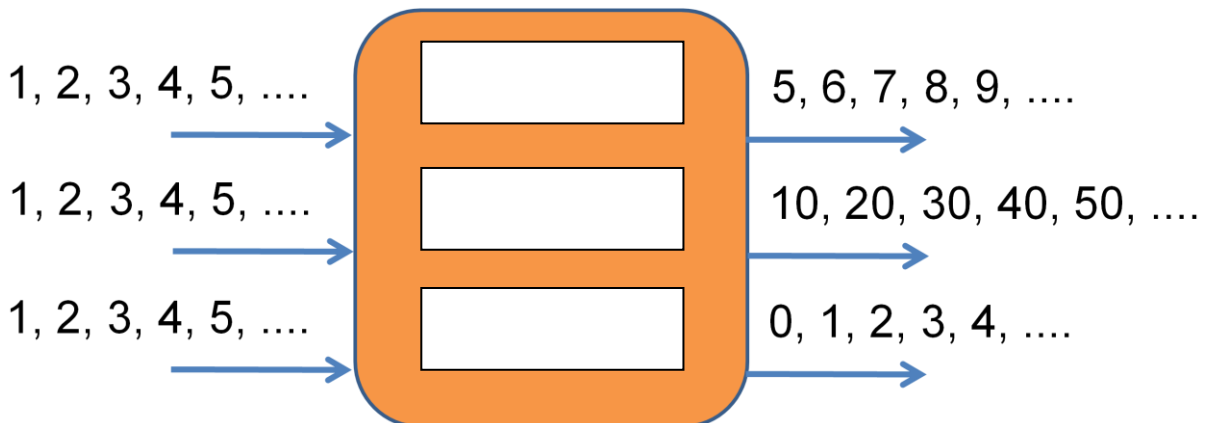
8.

The sequence 1, 2, 3, 4, 5, ... is put into these machines. Write down the first 5 terms of the sequences that comes out



9.

The sequence 1, 2, 3, 4, 5, ... is put into this machine. What does the machine do?



10.