

Q3-Q4 (Function Machine) Day 100 Name: _____

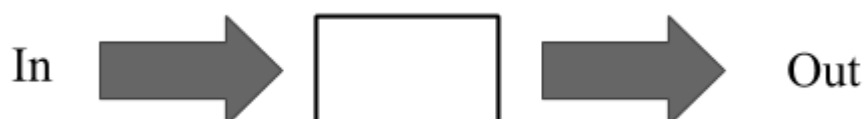
1. Look at the function machine below.



a) Use this function machine to complete the table below.

In	Out
6	12
10	
	100

b) Look again at the function machine above. **Replace the two functions with one function.** The new function machine must still give the same inputs and outputs. Write your answer in the box below.



2. Look at the function machine below.



a) Use this function machine to complete the table below.

In	Out
2	8
6	
	48

b) Look again at the function machine above. **Replace the two functions with one function.** The new function machine must still give the same inputs and outputs. Write your answer in the box below.



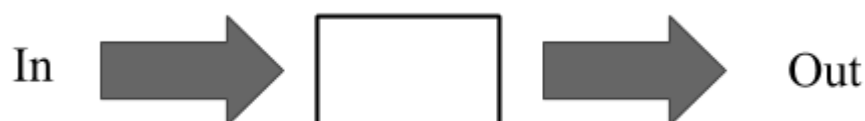
3. Look at the function machine below.



a) Use this function machine to complete the table below.

In	Out
1	12
6	
	48

b) Look again at the function machine above. **Replace the two functions with one function.** The new function machine must still give the same inputs and outputs. Write your answer in the box below.



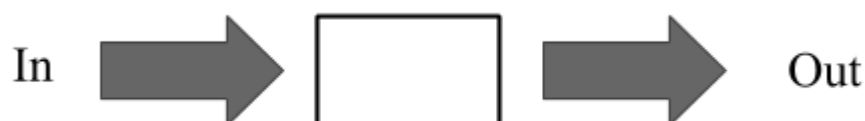
4. Look at the function machine below.



a) Use this function machine to complete the table below.

In	Out
30	5
66	
	16

b) Look again at the function machine above. **Replace the two functions with one function.** The new function machine must still give the same inputs and outputs. Write your answer in the box below.



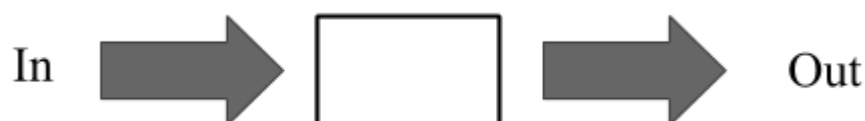
5. Look at the function machine below.



a) Use this function machine to complete the table below.

In	Out
3	6
7	
	24

b) Look again at the function machine above. **Replace the two functions with one function.** The new function machine must still give the same inputs and outputs. Write your answer in the box below.



6. Look at the function machine below.



a) Use this function machine to complete the table below.

In	Out
3	9
27	
	99

b) Look again at the function machine above. **Replace the two functions with one function.** The new function machine must still give the same inputs and outputs. Write your answer in the box below.



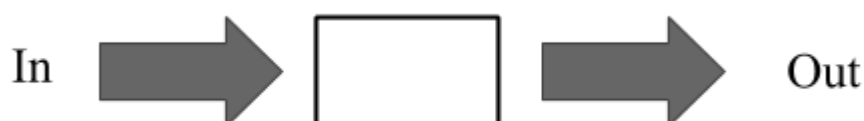
7. Look at the function machine below.



a) Use this function machine to complete the table below.

In	Out
1	28
3	
	280

b) Look again at the function machine above. **Replace the two functions with one function.** The new function machine must still give the same inputs and outputs. Write your answer in the box below.



8. Look at the function machine below.



a) Use this function machine to complete the table below.

In	Out
20	1
120	
	17

b) Look again at the function machine above. **Replace the two functions with one function.** The new function machine must still give the same inputs and outputs. Write your answer in the box below.



9. Look at the function machine below.



a) Use this function machine to complete the table below.

In	Out
4	16
12	
	32

b) Look again at the function machine above. **Replace the two functions with one function.** The new function machine must still give the same inputs and outputs. Write your answer in the box below.



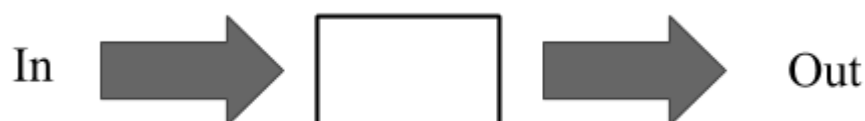
10. Look at the function machine below.



a) Use this function machine to complete the table below.

In	Out
40	20
160	
	600

b) Look again at the function machine above. **Replace the two functions with one function.** The new function machine must still give the same inputs and outputs. Write your answer in the box below.



11. Look at the function machine below.



a) Use this function machine to complete the table below.

In	Out
7	210
11	
	450

b) Look again at the function machine above. **Replace the two functions with one function.** The new function machine must still give the same inputs and outputs. Write your answer in the box below.



12. Look at the function machine below.



a) Use this function machine to complete the table below.

In	Out
36	1.5
60	
	3.5

b) Look again at the function machine above. **Replace the two functions with one function.** The new function machine must still give the same inputs and outputs. Write your answer in the box below.



Answers

1. a) 20	50	b) $\times 2$
2. a) 24	12	b) $\times 4$
3. a) 72	4	b) $\times 12$
4. a) 11	96	b) $\div 6$
5. a) 14	12	b) $\times 2$
6. a) 81	33	b) $\times 3$
7. a) 84	10	b) $\times 28$
8. a) 6	340	b) $\div 20$
9. a) 48	8	b) $\times 4$
10.a) 80	1200	b) $\div 2$
11.a) 330	15	b) $\times 30$
12.a) 2.5	84	b) $\div 24$