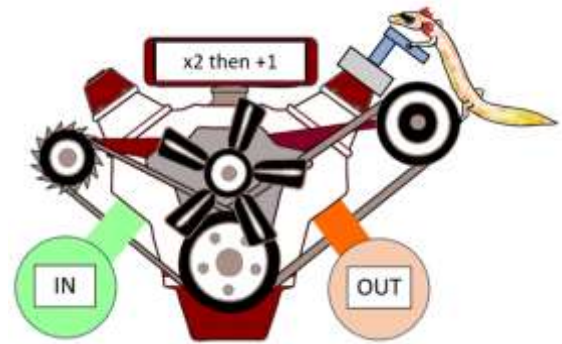




INPUT OUTPUT TABLES SHEET 3C

Write down what the function machines are doing to each number in the top box.

Fill in any missing outputs.



Rule: _____

In	?	Out
0	→	0
8	→	1
16	→	2
24	→	3
32	→	4
40	→	5

1) Rule: _____ then _____

In	?	Out
0	→	1
1	→	3
2	→	5
3	→	7
4	→	9
5	→	11

2) Rule: _____ then _____

In	?	Out
4	→	0
5	→	$\frac{1}{2}$
6	→	1
7	→	$1\frac{1}{2}$
8	→	
9	→	

3) Rule: _____ then _____

In	?	Out
1	→	2
2	→	5
3	→	8
4	→	11
5	→	
6	→	

5) Rule: _____ then _____

In	0	1	2	3	4	5
Out	4	8	12	16		

6) Rule: _____ then _____

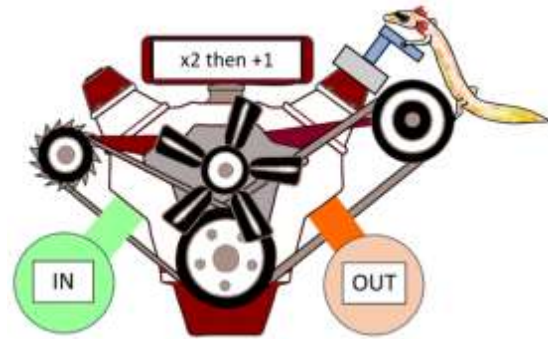
In	1	4	7	10	13	16
Out	0	1	2	3		



INPUT OUTPUT TABLES SHEET 3C ANSWERS

Write down what the function machines are doing to each number in the top box.

Fill in any missing outputs.



1) Rule: Divide by 8

In	?	Out
0	→	0
8	→	1
16	→	2
24	→	3
32	→	4
40	→	5

2) Rule: Double then Add 1

In	?	Out
0	→	1
1	→	3
2	→	5
3	→	7
4	→	9
5	→	<u>11</u>

3) Rule: ÷ 2 then - 2

In	?	Out
4	→	0
5	→	$\frac{1}{2}$
6	→	1
7	→	$1\frac{1}{2}$
8	→	<u>2</u>
9	→	<u>$2\frac{1}{2}$</u>

4) Rule: x 3 then - 1

In	?	Out
1	→	2
2	→	5
3	→	8
4	→	11
5	→	<u>14</u>
6	→	<u>17</u>

5) Rule: + 1 then x 4

In	0	1	2	3	4	5
Out	4	8	12	16	<u>20</u>	<u>24</u>

6) Rule: - 1 then ÷ 3

In	1	4	7	10	13	16
Out	0	1	2	3	<u>4</u>	<u>5</u>