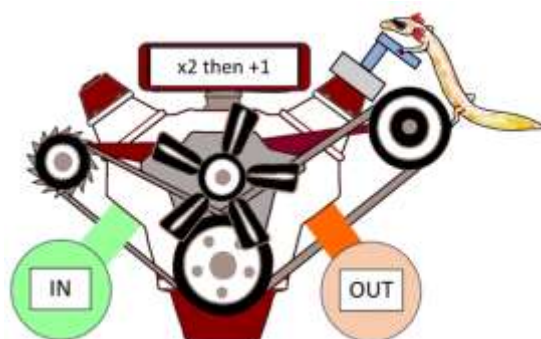




INPUT OUTPUT TABLES SHEET 3D (HARDER)

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

Fill in any missing inputs and outputs.



1) Rule: _____ then _____

In	?	Out
4	→	4
9	→	24
5	→	8
7	→	16
10	→	28
3	→	

2) Rule: _____ then _____

In	?	Out
5	→	4
20	→	7
55	→	14
10	→	5
15	→	6
	→	9

3) Rule: _____ then _____

In	?	Out
14	→	7
5	→	4
20	→	9
2	→	3
38	→	15
	→	20

4) Rule: _____ then _____

In	?	Out
2	→	3
5	→	21
10	→	51
7	→	33
11	→	57
3	→	

5) Rule: _____

In	6	4	1	5	9
Out	36	16	1	25	

6) Rule: _____ then _____

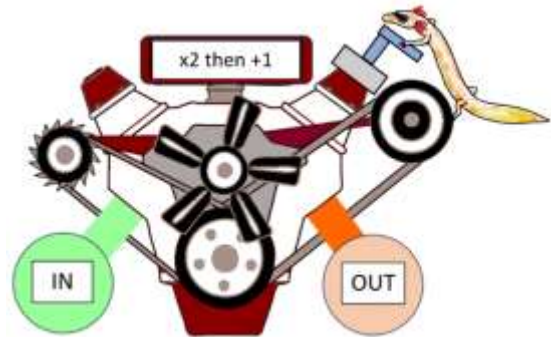
In	10	6	9	12	
Out	32	0	24	48	64



INPUT OUTPUT TABLES SHEET 3D (HARDER) ANSWERS

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

Fill in any missing inputs and outputs.



1) Rule: -3 then x4

In	?	Out
4	→	4
9	→	24
5	→	8
7	→	16
10	→	28
3	→	<u>0</u>

2) Rule: ÷5 then +3

In	?	Out
5	→	4
20	→	7
55	→	14
10	→	5
15	→	6
<u>30</u>	→	9

3) Rule: +7 then ÷3

In	?	Out
14	→	7
5	→	4
8	→	5
2	→	3
38	→	15
<u>53</u>	→	20

4) Rule: x6 then -9

In	?	Out
2	→	3
5	→	21
10	→	51
7	→	33
11	→	57
3	→	<u>9</u>

5) Rule: Multiply by itself (square it)

In	6	4	1	5	9
Out	36	16	1	25	<u>81</u>

6) Rule: -6 then x8

In	10	6	9	12	<u>14</u>
Out	32	0	24	48	64