

Finding the Output

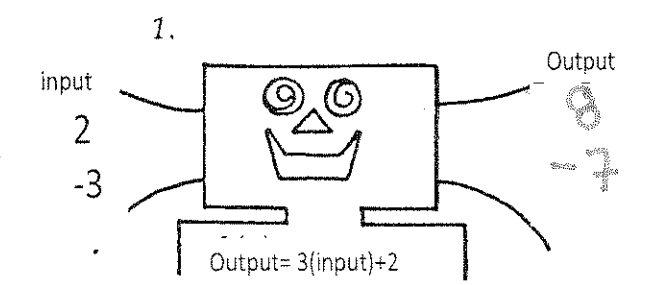
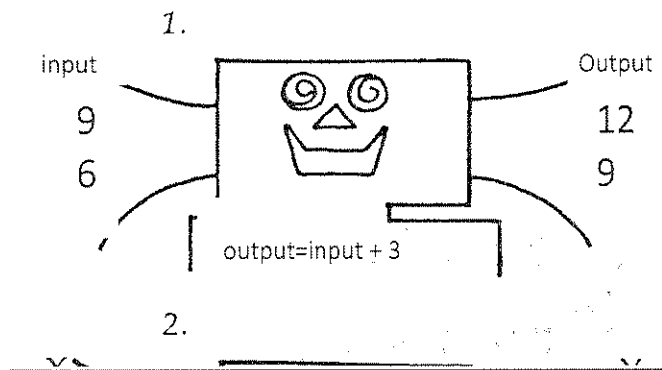
Function rule: $input + 3 = output$

Examples:

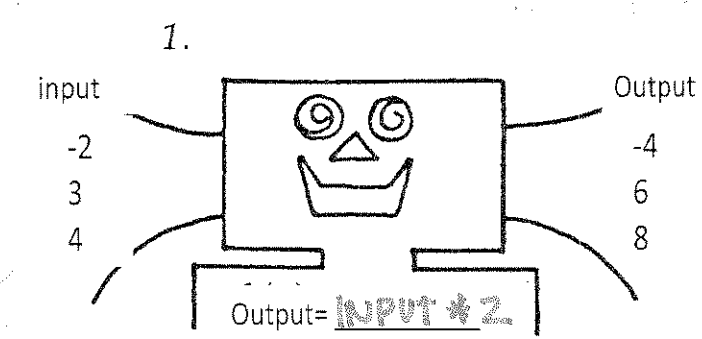
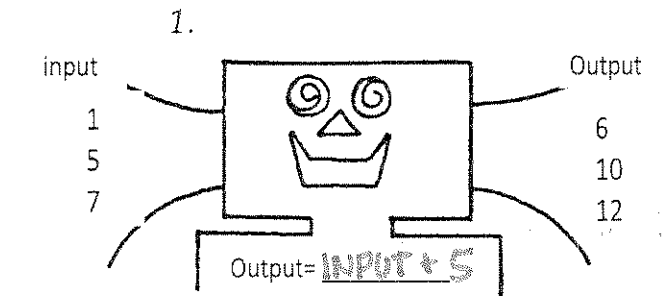
1. Input = 9 Output = 12

2. Input = 6 Output = 9

How you will see it:



Find the rule given the output numbers:



You Try: (Same directions, just tables)

1.

2.

Input	Output
-3	9
2	-6
4	-12

Input	Output
6	3
8	4
16	8

Rule: OUTPUT = INPUT * -3

Rule: OUTPUT = INPUT / 2

Challenge:

OR
OUTPUT = INPUT * 1/2

Input	Output
1	7
2	9
3	11
4	13
5	15

Rule: OUTPUT = INPUT * 2 + 5 ← EXPLICIT

START @ 7 NEXT = NOW + 2 ← RECURSIVE

Explicit formula examples:

1. Find the explicit equation then find what the output value would be when the input is 15.

Input	Output
1	3
2	6
3	9
4	12

$OUTPUT = INPUT * 3$

$OUTPUT = 15 * 3$

$OUTPUT = 45$

Directions: Find the explicit equation and output value when the input is 25.

2.

Input	Output
1	-5
2	-4
3	-3
4	-2

$25 - 6$

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$OUTPUT = INPUT - 6$

Input: x value

Output: y value

3.

Input	Output
1	5
2	7
3	9
4	11

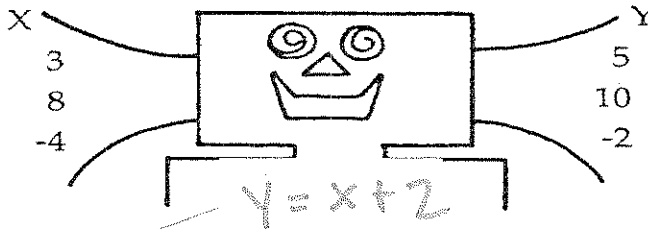
$25 * 2 + 3$

$50 + 3$

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$OUTPUT = INPUT * 2 + 3$

exmple:



Rule!

X	Y
3	5
8	10
-4	-2

