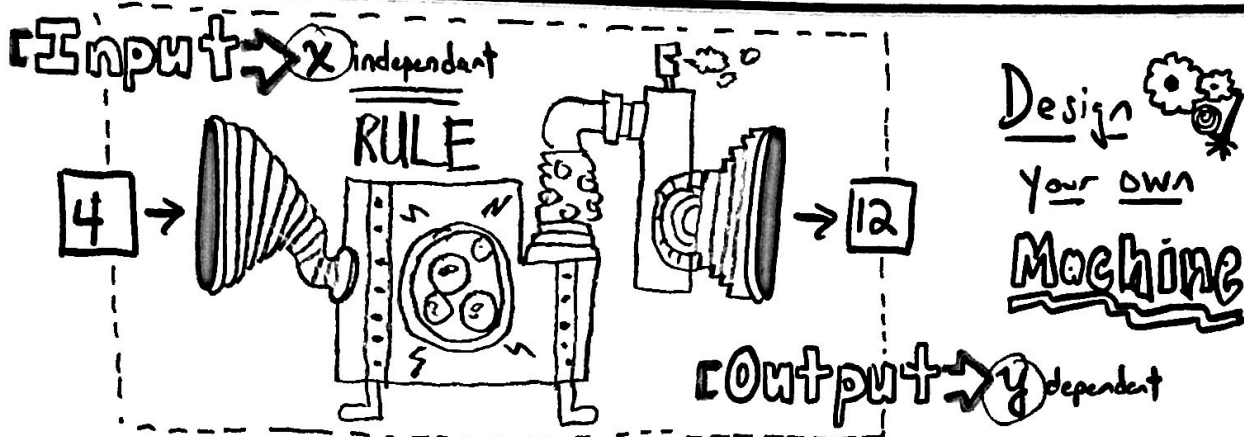
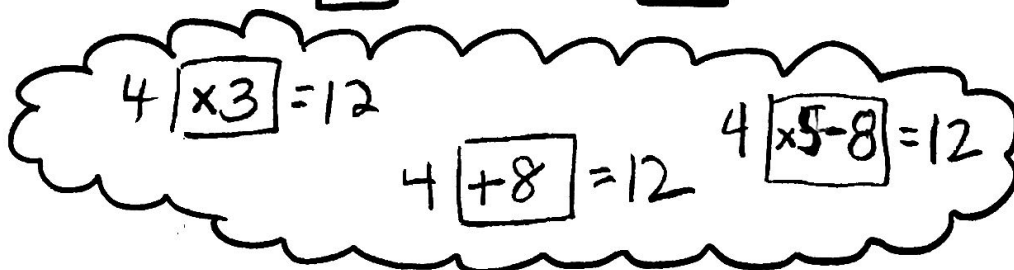


Function Tables

Name: Mr Miller
 Math6
 Period: _____



What could have happened in our "machine" to make 4 become 12 ?



ONE STEP

RULES

a	b
0	3
1	4
2	5
3	6
n	?

RULE $n+3$

input/output have same change.

m	n
3	9
5	15
7	21
9	27
n	?

RULE $3 \cdot n$

1/0 have consistent inc. change (X)

x	y
3	1
5	3
8	6
12	10
n	?

RULE $n-2$

input/output have same change.

f	g
2	1
6	3
18	9
20	10
n	?

RULE $n \div 2$

1/0: have consistent decreasing change (O)

Name: _____

Writing an Equation from an Input/Output Table

Write an equation for each input/output table.

1.

x	y
1	3
2	4
3	5
4	6
5	7

1 < > 1
1 < > 1

Equation: $y = x + 2$
Independent Variable: x
Dependent Variable: y

2.

a	b
0	0
1	5
2	10
3	15
4	20

1 < > 5
1 < > 5

Equation: $b = a \cdot 5$
Dependent Variable: b
Independent Variable: a

3.

k	m
5	3
6	4
7	5
8	6
9	7

1 < > 1
1 < > 1

Equation: $m = k - 2$
Independent Variable: k
Dependent Variable: m

4.

d	v
4	2
6	3
8	4
10	5
12	6

2 < > 1
2 < > 1

Equation: $v = d \div 2$
Independent Variable: d
Dependent Variable: v