

Name: _____

In and Out Boxes (Functions)

Determine what the relationship is between the first number (input and the second number (output). Fill in the blank boxes with the right number. Write down what the rule is below the table.

1.

Input	Output
11	13
10	12
13	15
18	20

Add 2 ~~21-8~~

Expresión Algebraica:

2.

Input	Output
13	21
16	24
19	27
10	18

Add 8

Expresión algebraica:

3.

Input	Output
20	26
16	22
2	8
1	7

Add 6

Expresión algebraica

4.

Input	Output
20	23
16	19
1	4
6	9

Add 3

Expresión algebraica

Nombre : _____

Resultado : _____

Profesor : _____

Fecha : _____

In and Out Boxes

Fill in the Empty Boxes.

- 1)

In	Out
4	2
5	3
7	5
9	7

Rule: Subtract 2
- 2)

In	Out
6	2
12	8
14	10
18	14

Rule: Subtract 4
- 3)

In	Out
4	9
5	10
7	12
14	19

Rule: Add 5
- 4)

In	Out
3	2
7	6
15	14
16	15

Rule: Subtract 1
- 5)

In	9	10	15
Out	7	8	13

Rule: Subtract 2
- 6)

In	2	11	12
Out	5	14	15

Rule: Add 3

Mike and Jason were born on the exact day, but not in the same year. Their ages are shown in the table below.

Mike's Age	9	15	17	20	22	23
Jason's Age	13	19	21	24	26	27

- 7) When Mike was 15, how old was Jason? 19
- 8) When Jason was 26, how old was Mike? 22
- 9) How much older is Jason than Mike? 4
- 10) Which choice best explains the rule for this table? (Circle One)
- a. Subtract 7 from Jason's Age to find Mike's age.
 - b. Add 4 to Jason's Age to find Mike's age.
 - c. Add 4 to Mike's Age to find Jason's age.
 - d. Subtract 4 from Mike's Age to find Jason's age.

In and Out Boxes

Fill in the empty boxes.

a.

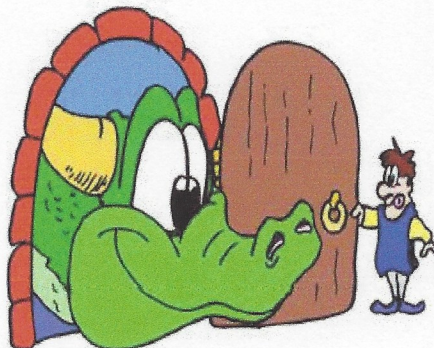
In	Out
1	3
3	5
5	7
7	9

rule: add 2

b.

In	Out
1	0
2	1
5	4
8	7

rule: subtract 1



c.

In	3	7	8	10
Out	1	5	6	8

rule: subtract 2

d.

In	0	1	5	9
Out	5	6	10	14

rule: add 5

e.

In	3	5	7	9
Out	13	15	17	19

rule: add 10

f.

In	7	8	11	14
Out	3	4	7	10

rule: subtract 4

Write the rule and fill in the empty boxes.

g.

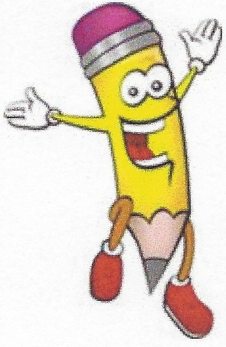
In	3	5	7	13
Out	0	2	4	10

rule: **subtract 3**

h.

In	1	5	6	10
Out	5	9	10	14

rule: **add 4**



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14	16
10	12
17	19

Add 2

2.

Input	Output
11	15
4	8
7	11
6	10

Add 4

3.

Input	Output
16	21
5	10
12	17
15	20

Add 5

4.

Input	Output
2	11
18	27
11	20
8	17

Add 9
