

Watermelon Problem

Tom sold watermelons and kept a chart of how much he earned. However, water spilled on the chart and erased some numbers. Fill in the blank spots.

Watermelons	Amount
1	
	\$6.00
3	
4	\$12.00
	\$15.00
6	\$18.00
8	\$24.00

What's the rule? Write an algebraic equation to show how the columns are related.

Shell Problem

Each day Jose and Marianna collect shells. Marianna always collects 5 more shells than Jose. Complete the table to show how many they found each day.

Jose	Marianna
1	
2	7
3	
4	
	10
6	
7	
	13

What's the rule? Write an algebraic equation to show how the columns are related.

Table #1

X	Y
1	1
2	4
3	9
4	16
5	
6	
	49

What's the rule? Write an equation to show how the columns are related.

Table #2

P	Q
2	5
4	9
6	13
8	17
10	
12	
14	
15	31

What's the rule? Write an equation to show how the columns are related.

Table #3

Input (I)	Output (O)
3	1
6	2
9	3
12	4
15	
18	6
21	

What's the rule? Write an equation to show how the columns are related.

Table # ____

X	Y

What's the rule? Write an equation to show how the columns are related.

Table # ____

□	△

What's the rule? Write an equation to show how the columns are related.

Table # ____

Input (I)	Output (O)

What's the rule? Write an equation to show how the columns are related.

Using Input/Output (Function) Tables to Solve Problems

#1 - Colin's neighbor pays him \$8 per week to separate her recyclable trash. How much money does Colin earn in 7 weeks?

Number of Weeks	1	2	3	4	5	6	7
Amount Earned	\$8	\$16	\$24				

Write an equation to represent the relationship between the number of weeks and the money he earned.

#2 - Susan collects newspapers to help the recycling cause. Each week she collects 10 pounds of newspaper from her family. Each neighbor also gives her 3 pounds of newspapers. How many pounds does she collect in all if she collects from 5 neighbors?

Number of Neighbors	0	1	2	3	4	5	?
Pounds of Newspaper							

Write an equation to represent the relationship between the number of neighbors and the pounds of newspaper collected.