

**Direct Variation  
Worksheet to go with Power Point**

**Name:**  
**Date:**  
**Pd:**

Write a definition of Direct Variation in your own words:

Tell if the following tables represent a direct variation relationship.

1. 

X	Y
1	10
4	9
7	8

2. 

X	Y
90	3
80	2
70	1

3. 

X	Y
9	3
11	5
13	7

4. 

X	Y
75	15
85	10
90	5

**You Try:** Tell if the data has a direct variation relationship. If yes, give the constant variation and the equation to represent the data.

X	Y
9	3
12	4
15	5

K =                      Equation:

**You Try:** Complete with the computer. (Example Number 3)  
y varies directly with x, and y = 6 when x = -5. Find y when x = -8

Step One:

Step Two:

**In the following problem, fill in the table. You do not have to solve.**  
A refund you get varies directly as the number of cans you recycle. If you get a \$3.75 refund for 75 cans, how much should you get for 500 cans?

X ( )	Y ( )

Draw an example of a direct variation graph.

Draw an example of a graph that does not show a direct variation relationship.