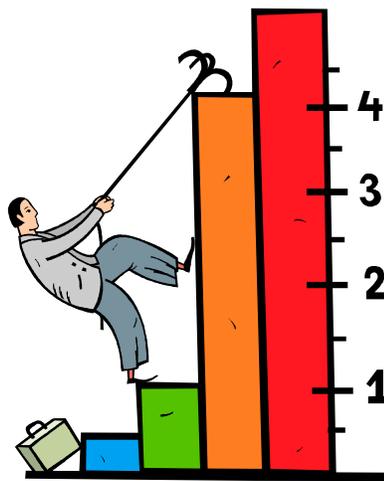


# It Depends...or Does It?



- Object:** To learn the different ways to describe the variables of a function as dependent or independent.
- Players:** 2-6, Working with a partner if possible
- Materials:**
- \*Sets of large graphic organizer components (1 per pair of students)
  - \*Large Ziploc bags
  - \*Timers, 1 per pair
  - \*Answer key for checking
  - \*Paper and pencil for each person to record time & descriptive sentences

## Directions for Activity:

1. Each pair of students receives a Ziploc bag which contains all the elements of a graphic organizer about independent and dependent variables.
2. Each pair sets the timer to count up.
3. All pairs open bags and place the elements of the graphic organizer in the correct columns.
4. When a pair thinks they have placed all elements correctly, they note the time on their paper and then check the answer key and make any necessary changes.
5. The pair then shuffles the element cards and tries to improve their time by placing the elements in the correct location again.
6. Each pair tries to improve their completion time and repeats the process at least 5 times.
7. The pair leaves the completed graphic organizer in front of them and writes at least 10 statements about what they see. They must use at least 2 mathematical terms in each of the statements.

**Variation for Game:** Each pair receives a point for each element which is in the correct location and 5 points for each time they improve their completion time. The pair with the most points wins the game.