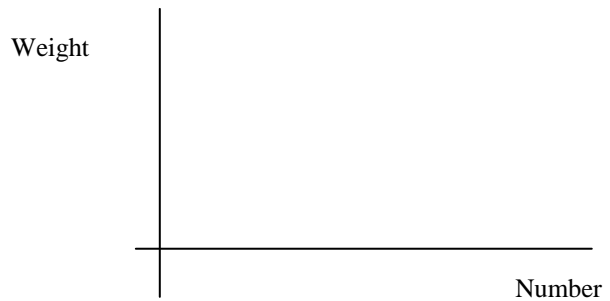


Activity 4: Are Numbers and Weights of Candy Associated?

1. The Weights and Number of Pieces of Candy have been collected from different size bags of a multi-colored candy.

Type	Weight of Candy (gm)	Number of Pieces of Candy
Fun Size	20.4	23
Regular	49.6	59
Regular + 10	53.3	65
King Size	90.3	106
Big Party	644.3	765
XXL	1245.2	1427

2. Draw a scatterplot of Weight vs. Number.



3. Does there seem to be an association? Is it strong? In what direction does it go?
4. Find the least-squares regression line of (Number, Weight). [$y = a + bx$]
5. What does **a** mean? What does **b** mean?