Honors Statistics   Name_____

2.3: Visualizing Data   Period_____Date_____

(Stem Plot, Dot Plot, Circle graphs)

1.   **The data represents the weights (in pounds) of dogs at a kennel. Use a dot plot to display the data.**

37	42	15	40	85	41	32	25	20	18	25
30	25	42	45	67	50	15	35	25	51	40

2.   **The data represents the thickness (in cm) of ice measured at 20 different locations on a frozen lake. Make a stem plot to display the data.**

5.8	6.4	6.9	7.2	5.1	4.9	4.3	5.8	7.0	6.8
8.1	7.5	7.2	6.9	5.8	7.2	8.0	7.0	6.9	5.9

3.   **The data represents the ages of the top 25 wealthiest people in the world. Make a stem plot to display the data.**

51	76	67	80	56	73	58	71	78	49	62	84	50
49	87	40	59	47	54	84	61	79	59	52	63	

4.   **The data represents the number of Nobel Prize laureates by country during the years 1901 – 2002. Use a pie chart to display the data.**

United States	270	France	49	Germany	77
United Kingdom	100	Sweden	30	Other	157

5.   **Use a scatter plot to display the data in the table. The data represents the number of hours worked and the hourly wage (in dollars) for a sample of 12 production workers. Describe any trends shown.**

Hours (x)	Hourly wage (y)
33	12.16
37	9.98
34	10.79
40	11.71
35	11.80
33	11.51
40	13.65
33	12.05
28	10.54
45	10.33
37	11.57
28	10.17