Math 300   Name_____ ID: 1

Week 1 - Measures of Center

Date_____ Period_____

Find the mean for each data set.

1)   Mens Heights (Inches)

65	66	67	67	68	70	72
72	75	75				

2)   Single Family Home Prices

394,000	395,500	400,400	401,300
410,600	411,200	412,800	414,800
421,800			

3)   Annual Precipitation (Centimeters)

77	82	96	120	124	125
138	143	157	159		

4) Injuries Due to Distracted Driving per Month

7,518	7,530	8,267	8,450	8,641
8,722	9,130	9,672	11,282	

Find the median for each data set.

5)   Car Masses (kg)

1,775	1,035	965	1,525	1,350
1,210	1,705	1,675	1,800	

6)   # Words in Book Titles

2	2	2	2	2	4	2	6
2	5						

7)   Test Scores

51	53	50	49	60	55	51
50	46	39				

8)   Car Weights (lb)

2,825	3,405	3,635	3,655	2,895
3,055	2,650	2,645	3,060	3,455
3,000				

Find the mode for each data set.

9)   Goals in a Hockey Game

5	5	8	5	5	7	5	11
6							

10)   Games per World Series

4	4	4	6	7	5	7	7
6	7						

11)   Age at First Job

18	16	18	22	17	18	16
18	13	14				

12)   Hits in a Round of Hacky Sack

12	5	8	12	12	4	4	3
15	8						

Find the interquartile range for each data set.

13)   Annual Household Income

14,950	14,550	19,600	17,850
9,750	14,150	14,500	42,450
14,300			

14) Annual Precipitation (Centimeters)

58	156	132	121	90	137
84	63	73			

15)   Annual Household Income

13,900	12,100	21,600	26,200
20,450	14,800	27,100	12,600
12,100	12,600	25,300	

16)   Minutes to Run 3 miles

34.6	21	31.6	32.1	27	46
40.2	28.4	32.2	35.8		

Answers to Week 1 - Measures of Center (ID: 1)

1) 69.7
2) 406,933.33
3) 122.1
4) 8,801.33
5) 1,525
6) 2
7) 50.5
8) 3,055
9) 5
10) 7
11) 18
12) 12
13) 4,500
14) 66.5
15) 12,700
16) 7.4