Name_____

Median, Mean, Q1, Q2, AND IQR

Date_____

Find the median, mean, lower quartile, upper quartile, and interquartile range for each data set.

1) Mountain Heights

Name	Feet	Name	Feet	Name	Feet	Name	Feet
Singhi Kangri	23,629	Kangpenqing	23,888	Teram Kangri III	24,219	Tirich Mir	25,289
Langtang Ri	23,638	The Crown	23,934	Rimo I	24,229	Saltoro Kangri	25,400
Rimo III	23,730	Chongtar	23,999	Yangra	24,350	Dhaulagiri II	25,430
Mana	23,858	Sherpi Kangri	24,213	Sia Kangri	24,350	Ngadi Chuli	25,823

2) Per Capita Income

Country	US $	Country	US $	Country	US $	Country	US $	Country	US $
Micronesia	3,558	Kosovo	8,740	Latvia	23,028	Trinidad & Tobago	30,439	Belgium	40,338
India	5,410	Sri Lanka	9,736	The Bahamas	23,102	Italy	34,303	Denmark	42,764
Philippines	6,533	Jordan	11,782	Slovenia	28,298	Iceland	39,996	Norway	65,461
Guyana	6,551	Lebanon	17,170						

3) Boiling Point

Substance	°C	Substance	°C
Chloroform	61.2	Silver	2,162
Methanol	64.7	Tin	2,603
Water	100	Gold	2,856
Glycerol	290	Iron	2,862
Sulphuric Acid	337	Nickel	2,913
Mercury	356.7	Plutonium	3,232
Potassium	758.8	Titanium	3,287
Zinc	907	Carbon	4,827
Magnesium	1,091		

4) Life Expectancy by Country

Stem	Leaf
5	0 6
6	2 4 8 8 8 9
7	1 3 4 5 5 6 7 7
8	4

Key: 6|8 = 68

5)   US Population Growth
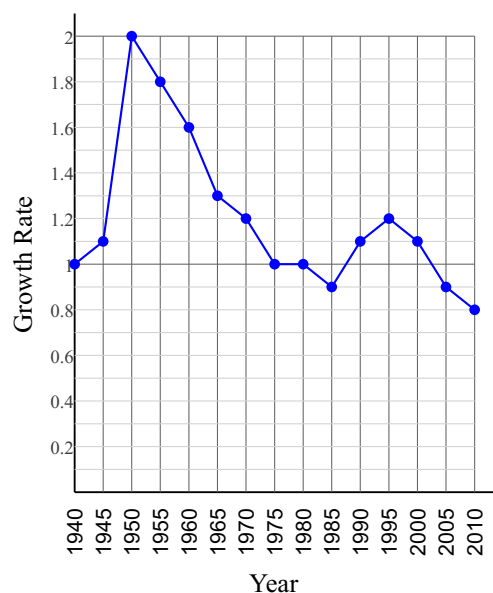
6)   Large Cities

City	Population	City	Population	City	Population	City	Population
Changsha	3,093,980	New Taipei City	3,954,929	New York City	8,405,837	Lahore	11,318,745
Addis Ababa	3,103,673	Harbin	4,280,701	Cairo	8,922,949	Mumbai	12,655,220
Pyongyang	3,255,388	Nanjing	4,393,857	Tianjin	9,341,844	Beijing	21,150,000
Quanzhou	3,520,846	Dongguan	8,220,207	Shenzhen	10,467,400	Shanghai	24,150,000

7)   Games per World Series

4	5	5	6	6	6	6	6
6	7	7	7	7	7	7	7

8)   Monthly Revenue

Stem	Leaf
3	9
4	3 6 8 8 9 9
5	5 7 7 7
6	0 4 9
7	3 4
8	1

Key: 4|9 = 49,000

9)   Atlantic Hurricanes
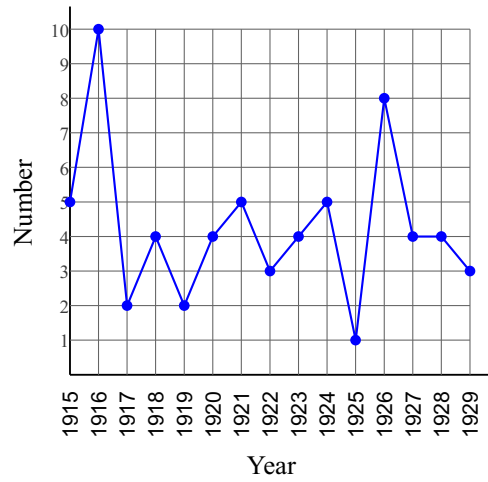
10)   Annual Household Income

Stem	Leaf
0	8 9
1	0 1 1 2 4 4 9
2	2 3 4 4 5 9
3	1

Key: 1|2 = 12,000

Answers to Median, Mean, Q1, Q2, AND IQR

1) Median = 24,216, Mean = 24,373.69, Q_1 = 23,873, Q_3 = 24,819.5 and IQR = 946.5

2) Median = 23,028, Mean = 23,365.24, Q_1 = 7,645.5, Q_3 = 37,149.5 and IQR = 29,504

3) Median = 1,091, Mean = 1,688.73, Q_1 = 313.5, Q_3 = 2,887.5 and IQR = 2,574

4) Median = 71, Mean = 69.82, Q_1 = 66, Q_3 = 75.5 and IQR = 9.5

5) Median = 1.1, Mean = 1.2, Q_1 = 1, Q_3 = 1.3 and IQR = 0.3

6) Median = 8,313,022, Mean = 8,764,723.5, Q_1 = 3,737,887.5, Q_3 = 10,893,072.5 and IQR = 7,155,185

7) Median = 6, Mean = 6.19, Q_1 = 6, Q_3 = 7 and IQR = 1

8) Median = 57,000, Mean = 57,000, Q_1 = 48,000, Q_3 = 66,500 and IQR = 18,500

9) Median = 4, Mean = 4.27, Q_1 = 3, Q_3 = 5 and IQR = 2

10) Median = 16,500, Mean = 17,875, Q_1 = 11,000, Q_3 = 24,000 and IQR = 13,000