**Quartiles**- A quartile is a division of observations into four defined intervals based on the values of the data and how they compare to the entire set of observations. Quartiles divide the entire set into four equal parts. is the median or a positional average.

item

item

item

First quartile is 25% from smallest to largest of numbers.

Second quartile is between 25% and 50% (till median).

Third quartile is 51% to 75% [above the median].

Fourth quartile is 25% of the largest numbers.

**Inter quartile range**- IQR is the difference between the upper and lower quartile of a given dataset and is also called a mid spread.

**Quartile deviation**- it is the half of the distance between the third and the first quartile.

