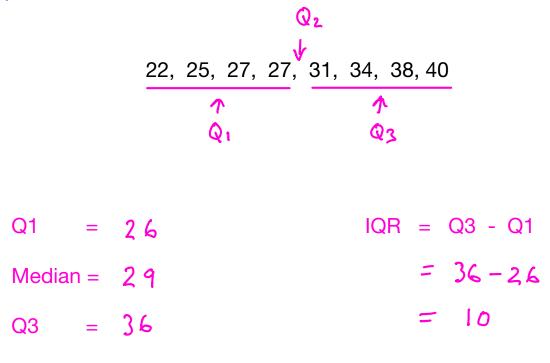


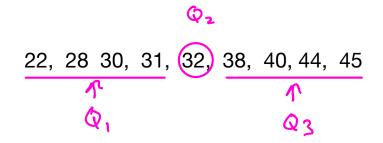
Firstly, we will learn how to identify the lower and upper quartiles of a small data set Q1and Q3

Essentially, these are representative of data values one quarter and three quarters of the way through an ordered data set.

## Example 1: 8 data items

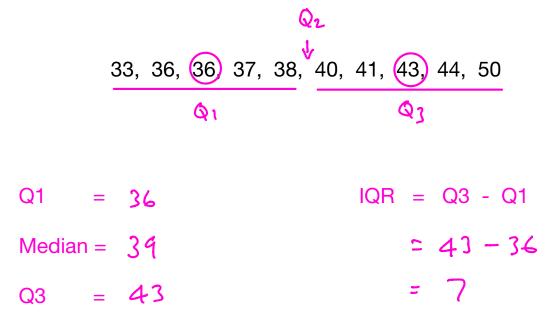


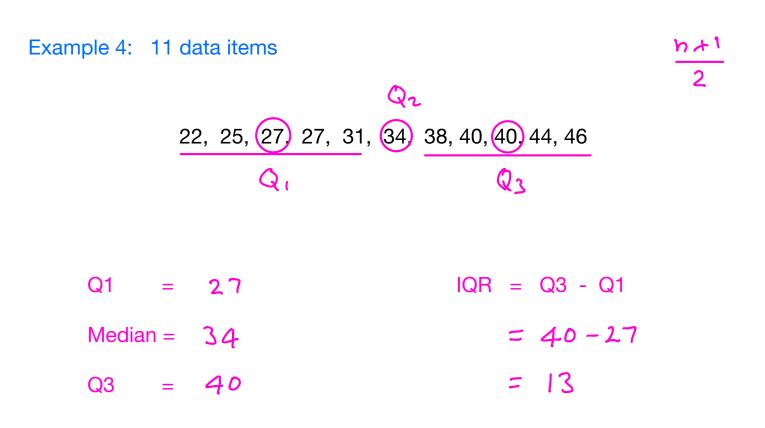
## Example 2: 9 data items



Q1 = 29 
$$IQR = Q3 - Q1$$
  
Median = 32  $= 42 - 29$   
Q3 = 42  $= 13$ 

## Example 3: 10 data items





Exercise: Find the Median and Inter-Quartile Range
24, 30, 31, 35, 36, 38, 38, 41
39, 43, 44, 47, 50, 53, 53, 55, 56
3.
50, 53, 54, 56, 60, 64, 70, 71, 73, 74
4.

62, 62, 65, 68, 68, 72, 75, 76, 80, 83, 84