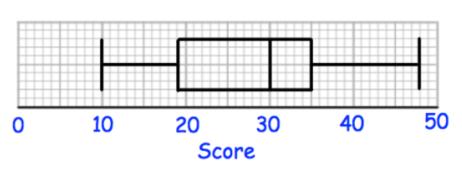
3.2) Box plots

Worked example

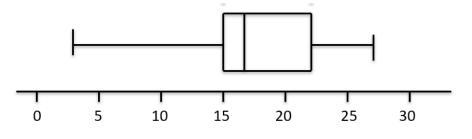
Your turn

Using the box plot, write down:



- a) The minimum
- b) The lower quartile
- c) The median
- d) The upper quartile
- e) The maximum
- f) The range
- g) The interquartile range

Using the box plot, write down:



- a) The minimum 3
- b) The lower quartile 15
- c) The median 17
- d) The upper quartile 22
- e) The maximum 27
- f) The range 24
- g) The interquartile range 7

Worked example

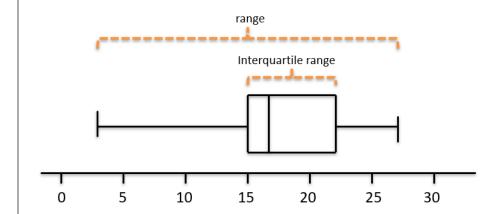
Your turn

Sketch a box plot given the following data:

Minimum	Lower Quartile	Median	Upper Quartile	Maximum
2	11	18	20	29

Sketch a box plot given the following data:

Minimum	Lower Quartile	Median	Upper Quartile	Maximum
3	15	17	22	27



Worked example

An outlier is an observation that falls either 1.5 ×interquartile range above the upper quartile or

1.5 ×interquartile range below the lower quartile. Sketch a box plot for this data, marking any

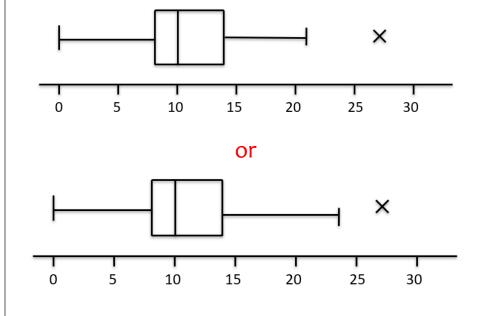
outliers. Smallest values	Largest values	Lower quartile	Median	Upper quartile
0,4	22, 26	9	11	15

Your turn

An outlier is an observation that falls either 1.5 ×interquartile range above the upper quartile or

 $1.5 \times \text{interquartile range below the lower quartile.}$ Sketch a box plot for this data, marking the outlier

boundarie Smallest values	S Largest values	Lower quartile	Median	Upper quartile
0, 3	21, 27	8	10	14

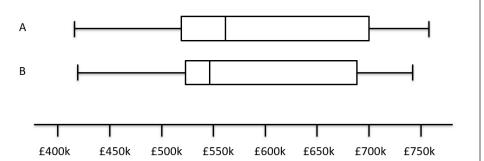


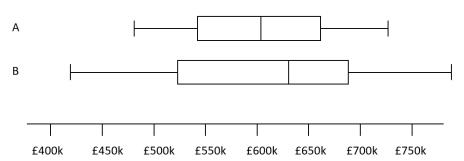


Your turn

Compare the house prices of locations A and B







- The interquartile range of house prices in B is greater than A.
- The range of house prices in B is greater than A.
- The median house price in Kingston was greater than that in Croydon