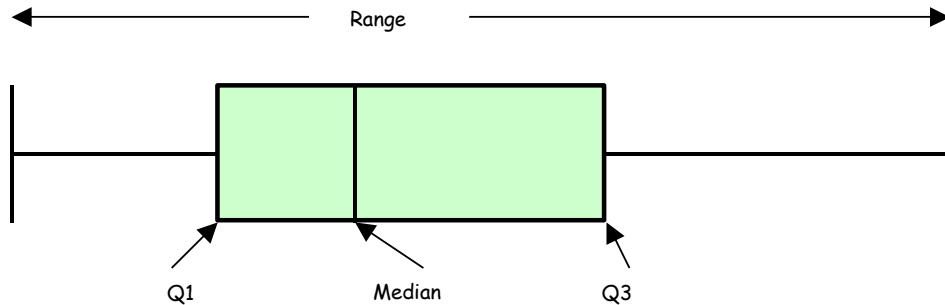# Box Plots

Below is an example of a **box plot**. The box represents the middle 50% of the data. The whiskers show the range. Q1 and Q3 are the quartiles. A scale is placed under the box plot to show the values indicated on the plot.

The box plots below are plotted using a sample of data taken from the random data selector of the *CensusAtSchool* project and compare the heights of South African children of different ages.
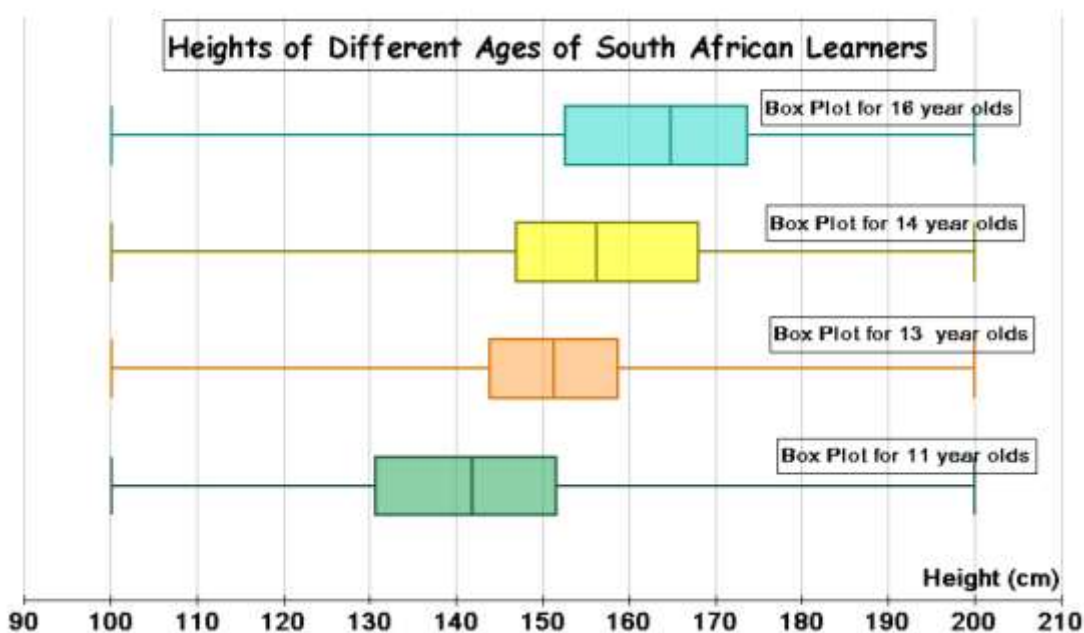
TASK A
Write 3 or 4 sentences about the box plots below.

TASK B
1. What scale is used?
2. Make estimates of the medians?
3. What can you say about the whiskers?
4. Are the plots as you would expect?
5. Can you see any similarities/differences?
6. What do you think the plot would look like for 15 year olds?

TASK C
1. Construct a box plot for your class? Think about the data you need.
2. Compare your box plot with the appropriate age group below and make some conclusions.

These box plots were created using Autograph software.