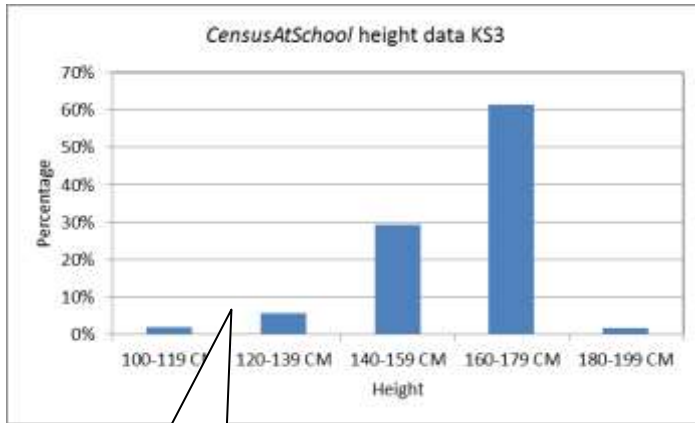




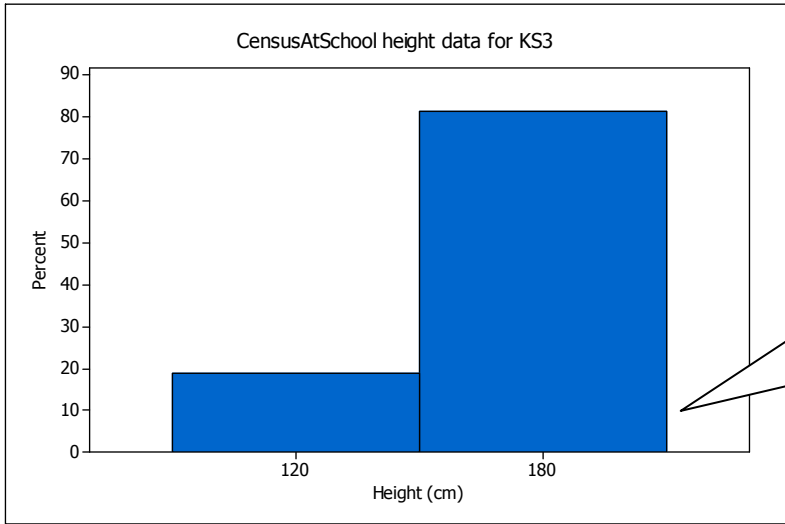
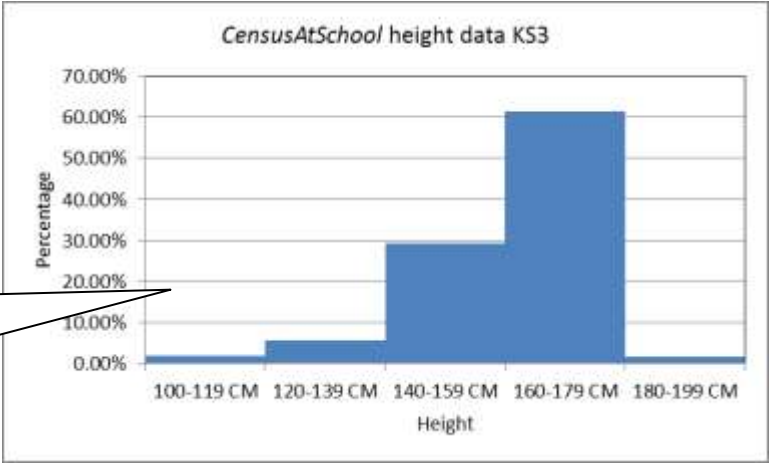
Do different groupings matter?



These are two examples of graphs, showing the same data with five different height groups.

What two things are wrong with this graph?

What two things are wrong with this graph?



This is a graph using the same data, but split into two height groups. Why do you think this is a poor representation of the data?

Use the Excel worksheet Different Groups.xls to plot your own improved graph.

Comment on the shape of the distribution. (Is it symmetrical or skewed?) Are there any outliers? If so comment on whether you consider these errors or real data.

For this data set would it be better to use the mean or median as a measure of location? State the reason for your choice.