The Math Dugout - Worksheet
CONTINUOUS DATA

Useful Videos – Coming Soon!

EXERCISE 1 – Decide if the following surveys would yield Continuous Data?

(a) Asking each person at the soccer field how many oranges they've eaten.

(b) Measuring the time it takes for everybody to run from one goal post to another.

(c) Asking people how far they cycled on the weekend.

(d) Asking people how many muesli bars are in their backpack.

EXERCISE 2 – The following data set comes from measuring the length of each person's index finger in a 12 person classroom

{ 48.2mm , 51.4mm , 53.6mm , 68.2mm , 68.4mm , 69.9mm , 70.0mm, 80.1mm }

(a) Organise the data into a class interval frequency table of width 10. (Hint: Remember the class interval frequency tables for continuous data sets looks slightly different to that of discrete data sets)

(b) Plot the data as a histogram. Be sure to label your axis and give the graph a title!

(c) From the graph and frequency table, determine the modal class interval of the data set. Do they both agree with each other?