## Year 8 Maths - Representing Data

## What do I need to be able to do?

By the end of this unit you should be able to:

- Draw and interpert scatter graphs
- Describe correlation and relationships.
- Identify different types of non-linear relationships.
- Desian and complete an ungrouped frequency table.
I- Read and interpret grouped tables (discrete and continuous data)
I Represent data in two way tables.


## Keywords

Variable: a quantity that may change within the context of the problem
Relationship: the link between two variables (tems). Eg. Between sunny days and ice cream sales
Correation: the mathematical defintion for the type of relationship.
Origin: where two axes meet on a graph
I Line of best fit: a straight ine on a graph that represents the data on a scatter graph
Outier: a point that les outside the trend of graph
Quantitative: numerical data
Qualitative: descriptive information, colours, genders, names, emotions etc
Continuous: quantitative data that has an infinte number of possible values within its range
I Discrete: quantitative or qualitative data that ony takes certain values.
Frequency: the number of times a particular data value occurs.


I Linear Correlation




