

## Lesson 4

## GCSE Mathematics : Year 10 Statistics I : Visualising Data

### 4.1 Stem and Leaf

A stem and leaf diagram is a simple way of partitioning data to give an idea of how it is distributed across its range.

### 4.2 Example

Here are the number of pages in a variety of mathematics textbooks.

Title	Number of pages
<i>Pythagoras and Proof</i>	281
<i>Going Round in Circles</i>	288
<i>Fraction Frolics</i>	292
<i>The Lost Polygon</i>	294
<i>Math Your Way To Wealth</i>	295
<i>The Root of The Problem</i>	299
<i>Most Numbers are Big</i>	305
<i>Squaring The Circle</i>	307
<i>Math Attack</i>	313

- (i) Draw an ordered stem and leaf diagram to show this information. You must include a key.


[ 3 marks ]

- (ii) One of the books is picked at random. What is the probability it has more than 300 pages ?

[ 2 marks ]