



Assignment Title	Representing Data	Date set	Autumn 2	Hours	18										
Summary of Unit 2			Key Words												
To use different graphs, tables and charts to display data Compare data sets by using different data values such as median and range Interpret data sets using skewness			Bar chart, line graph, data set, pie chart, two-way tables, pictograms, comparative and compound bar charts, stem and leaf, frequency polygons, histograms, cumulative frequency, population pyramids, truncation, skew, skewness, mode, median, mean, range, interquartile, upper quartile, lower quartile,												
Prior Knowledge															
The pictogram shows the number of tins of dog food sold in a shop on Monday, on Tuesday and on Wednesday last week.															
<table border="1" style="display: inline-table; vertical-align: top;"> <tr> <td>Monday</td><td>○ ○ ○</td></tr> <tr> <td>Tuesday</td><td>○ ○ ○ ○ ◐</td></tr> <tr> <td>Wednesday</td><td>○ ○ ◐</td></tr> <tr> <td>Thursday</td><td></td></tr> <tr> <td>Friday</td><td></td></tr> </table> <div style="display: inline-block; vertical-align: top; margin-left: 20px; border: 1px solid black; padding: 5px;"> Key: ○ represents 10 tins </div>						Monday	○ ○ ○	Tuesday	○ ○ ○ ○ ◐	Wednesday	○ ○ ◐	Thursday		Friday	
Monday	○ ○ ○														
Tuesday	○ ○ ○ ○ ◐														
Wednesday	○ ○ ◐														
Thursday															
Friday															
<p>On Thursday, 60 tins of dog food were sold in the shop. On Friday, 35 tins of dog food were sold in the shop.</p> <p>(a) Use this information to complete the pictogram.</p> <p>More tins of dog food were sold on Tuesday than on Monday.</p> <p>(b) How many more tins?</p>															

LEARNING JOURNEY

Level	Task Description
2-3	Draw, read, complete and interpret two-way tables
1-2	Draw, read, complete and interpret pictograms
3-4	Draw, read, complete and interpret bar charts (including grouped data), compound bar charts and comparative bar charts
3-4	Read, complete and interpret Choropleth Maps and Population Pyramids
4-5	Draw, read and interpret stem and leaf diagrams including back to back stem and leaf diagrams
5	Draw, read and interpret pie charts
6-7	Draw, read and interpret comparative pie charts and comparative 2D and 3D representations of pie charts
4-5	Draw, read and complete frequency polygons and line graphs
4-5	Draw read, complete and interpret cumulative frequency curves
5-6	Draw, read, complete and interpret histograms of equal and unequal widths
3	Recognise errors in construction lead to graphical misrepresentation Select and justify appropriate form of representation with regard to the nature of data
5-6	Extract and calculate corresponding values in order to compare data sets
6-7	Identify the skewness of data by inspection and calculation. Interpret a distribution of data in terms of skewness identified from inspection or calculation.