


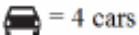

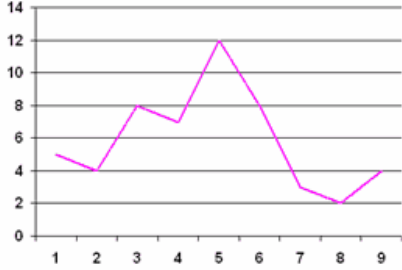





<p>5. Pictogram</p>	<p>Uses <b>pictures</b> or symbols to <b>show the value</b> of the data.</p> <p>A pictogram must have a <b>key</b>.</p>	<p>Black </p> <p>Red </p> <p>Green   = 4 cars</p> <p>Others </p>																																																
<p>6. Line Graph</p>	<p>A graph that uses <b>points connected by straight lines</b> to show how data changes in values.</p> <p>This can be used for <b>time series data</b>, which is a series of data points spaced over uniform time intervals in <b>time order</b>.</p>																																																	
<p>7. Two Way Tables</p>	<p>A table that <b>organises data</b> around <b>two categories</b>.</p> <p>Fill out the information step by step using the information given.</p> <p>Make sure all the totals add up for all columns and rows.</p>	<p>Question: Complete the 2 way table below.</p> <table border="1" data-bbox="954 707 1422 801"> <thead> <tr> <th></th> <th>Left Handed</th> <th>Right Handed</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Boys</td> <td>10</td> <td></td> <td>58</td> </tr> <tr> <td>Girls</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Total</td> <td></td> <td>84</td> <td>100</td> </tr> </tbody> </table> <p>Answer: Step 1, fill out the easy parts (the totals)</p> <table border="1" data-bbox="954 819 1422 913"> <thead> <tr> <th></th> <th>Left Handed</th> <th>Right Handed</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Boys</td> <td>10</td> <td>48</td> <td>58</td> </tr> <tr> <td>Girls</td> <td></td> <td></td> <td>42</td> </tr> <tr> <td>Total</td> <td>16</td> <td>84</td> <td>100</td> </tr> </tbody> </table> <p>Answer: Step 2, fill out the remaining parts</p> <table border="1" data-bbox="954 931 1422 1025"> <thead> <tr> <th></th> <th>Left Handed</th> <th>Right Handed</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Boys</td> <td>10</td> <td>48</td> <td>58</td> </tr> <tr> <td>Girls</td> <td>6</td> <td>36</td> <td>42</td> </tr> <tr> <td>Total</td> <td>16</td> <td>84</td> <td>100</td> </tr> </tbody> </table>		Left Handed	Right Handed	Total	Boys	10		58	Girls				Total		84	100		Left Handed	Right Handed	Total	Boys	10	48	58	Girls			42	Total	16	84	100		Left Handed	Right Handed	Total	Boys	10	48	58	Girls	6	36	42	Total	16	84	100
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<p>8. Box Plots</p>	<p>The minimum, lower quartile, median, upper quartile and maximum are shown on a box plot.</p> <p>A box plot can be drawn independently or from a cumulative frequency diagram.</p>	<p>Students sit a maths test. The highest score is 19, the lowest score is 8, the median is 14, the lower quartile is 10 and the upper quartile is 17. Draw a box plot to represent this information.</p> 																																																
<p>9. Comparing Box Plots</p>	<p>Write two sentences.</p> <ol style="list-style-type: none"> <li>1. Compare the <b>averages</b> using the <b>medians</b> for two sets of data.</li> <li>2. Compare the <b>spread</b> of the data using the <b>range or IQR</b> for two sets of data.</li> </ol> <p>The <u>smaller</u> the range/IQR, the <u>more consistent</u> the data.</p> <p>You must compare box plots <b>in the context of the problem</b>.</p>	<p>‘On average, students in class A were more successful on the test than class B because their median score was higher.’</p> <p>‘Students in class B were more consistent than class A in their test scores as their IQR was smaller.’</p>																																																