

## MATHS: Statistics framework

### Statistics framework

#### Stage 6

- I can understand and interpret a simple data table
- I can make comparisons of data in a table
- I can find the difference between data on a table

#### Stage 7

- I can create my own data table
- I can make comparisons and find the difference in my own data table
- I can understand and read a tally chart
- I can make comparisons and find the difference in data on a tally chart
- I can create my own tally chart
- I can make comparisons and find the difference in my own tally chart
- I can understand and read a pictogram
- I can make comparisons and find the difference in data on a pictogram
- I can create my own pictogram
- I can make comparisons and find the difference in my own pictogram

#### Stage 8

- I can create a pictogram where the symbols represents 2, 5 or 10 items
- I can compare and find differences in data presented in a pictogram where the symbol represents 2, 5 or 10
- I can understand and interpret data from a block diagram
- I can make comparisons and find the difference in data on a block diagram
- I can create my own block diagram
- I can make comparisons and find the difference in my own block diagram
- I can interpret data on a pictogram with wider range of values for the symbols (as before only 2, 5 and 10)
- I can create a pictogram with wider range of values for the symbols (as before only 2, 5 and 10)
- I can understand and interpret data on a bar chart
- I can make comparisons and find the difference in data on a bar chart
- I can create my own bar chart
- I can make comparisons and find the difference in my own bar chart

#### Stage 9

- I can use data from a table to 1 step solve questions

	<ul style="list-style-type: none"> <li>• I can use data from a table to 2 step solve questions</li> <li>• I can understand and interpret data on a two way table</li> <li>• I can make comparisons and find the difference in data on a two way table</li> <li>• I can create my own two way table</li> <li>• I can make comparisons and find the difference in my own two way table</li> <li>• I can understand and interpret data on a line graph</li> <li>• I can make comparisons and find the difference in data on a line graph</li> <li>• I can create my own line graph</li> <li>• I can make comparisons and find the difference in my own line graph</li> <li>•</li> </ul>
<b>Stage 10</b>	<ul style="list-style-type: none"> <li>• I can be given a problem, collect discrete data and suggest possible answers.</li> <li>• I can record data, where appropriate, in equal intervals.</li> <li>• I can record data using a frequency table.</li> <li>• I can collect data and record it in a simple block graph/computer database.</li> </ul>
<b>Stage 11</b>	<ul style="list-style-type: none"> <li>• I understand and use the mode and range to describe sets of data.</li> <li>• I can draw simple conclusions about the data in a simple block graph/computer database and pose questions about the data.</li> <li>• I can use a Venn/Carroll diagram using more than one criterion.</li> <li>• I can extract and interpret information in bar charts, pictograms, Venn/Carroll diagrams</li> <li>• I can plan an investigation and know what data to collect.</li> <li>•</li> </ul>
<b>Stage 12</b>	<ul style="list-style-type: none"> <li>• I can plan an investigation and know what data to collect.</li> <li>• I can calculate the median of a set of data.</li> <li>• I can group data into equal class intervals.</li> <li>• I can understand and calculate the mean of a set of data.</li> <li>• I can recognise the difference between discrete and continuous data.</li> <li>• I can interpret bar graphs with grouped data.</li> <li>• I can interpret and compare pie charts.</li> <li>• I can ask questions, plan and collect data to solve a problem.</li> </ul>