

Year 5 Statistics Knowledge Organiser.

Statistics		Knowledge Organiser																												
Key Vocabulary	Reading and Understanding Tables	Completing Tables																												
axis	<p>A table to show ticket prices at a local cinema.</p> <table border="1" style="margin: 10px auto; border-collapse: collapse; text-align: center;"> <thead> <tr style="background-color: #c6e0b4;"> <th>Ticket Type</th> <th>Weekday Price</th> <th>Weekend Price</th> </tr> </thead> <tbody> <tr style="background-color: #fce4d6;"> <td>Adult</td> <td>£6</td> <td>£7.50</td> </tr> <tr style="background-color: #d9ead3;"> <td>Child</td> <td>£4</td> <td>£4.50</td> </tr> <tr style="background-color: #d9ead3;"> <td>Student</td> <td>£5.50</td> <td>£6</td> </tr> </tbody> </table> <p>In order to understand the data presented in a table, you must read the table's title and the headings. Remember to always look at the heading that each piece of information falls under.</p>	Ticket Type	Weekday Price	Weekend Price	Adult	£6	£7.50	Child	£4	£4.50	Student	£5.50	£6	<p>Here is a table showing the favourite drink flavours of some children.</p> <table border="1" style="margin: 10px auto; border-collapse: collapse; text-align: center;"> <thead> <tr style="background-color: #d9ead3;"> <th></th> <th>Boys</th> <th>Girls</th> <th>Total</th> </tr> </thead> <tbody> <tr style="background-color: #fce4d6;"> <td>Orange</td> <td>8</td> <td></td> <td>18</td> </tr> <tr style="background-color: #d9ead3;"> <td>Blackcurrant</td> <td></td> <td>6</td> <td></td> </tr> <tr style="background-color: #d9ead3;"> <td>Total</td> <td>15</td> <td></td> <td></td> </tr> </tbody> </table> <div style="background-color: #fce4d6; padding: 5px; margin: 5px 0;"> <p>To find how many boys voted for blackcurrant, look at the total number of boys who voted and subtract the number of votes for orange.</p> </div> <div style="background-color: #fce4d6; padding: 5px; margin: 5px 0;"> <p>To find how many girls voted for orange, look at the total number of votes for orange and subtract the number of votes from boys.</p> </div> <div style="background-color: #d9ead3; padding: 5px; margin: 5px 0;"> <p>To find the total number of votes for blackcurrant, the total number of girls or the total number of voters, simply add up the values from the appropriate row or column.</p> </div>		Boys	Girls	Total	Orange	8		18	Blackcurrant		6		Total	15		
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Statistics

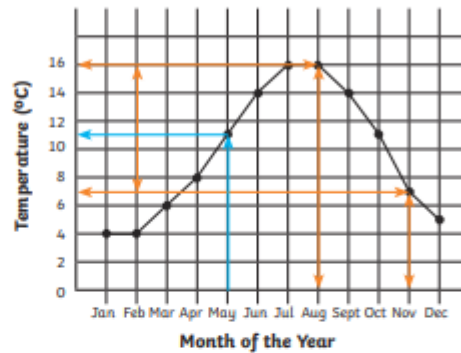
Knowledge Organiser

Read and Interpret Line Graphs

Here is a line graph showing the average temperature for each month.

The y-axis shows temperature in intervals of 2°C on a scale of 0°C to 16°C .

The points show the average temperature for each month.



The x-axis shows the months of the year.

Use Line Graphs to Solve Problems

To find the average temperature in May, follow the arrow up from May and across to the temperature. As this is halfway between 10°C and 12°C , the average temperature in May is 11°C .

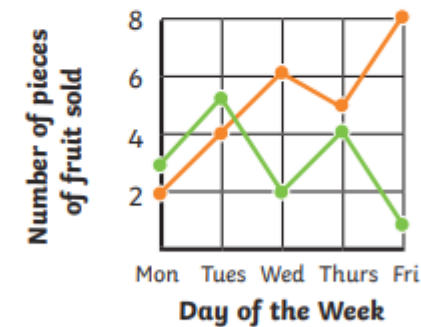
To find the difference between the average temperatures in August and in November, find the temperature for each month and calculate the difference between the two. The shape of the line graph can show how the temperature changed. The average temperature falls 9°C from August to November.

Draw Line Graphs

Here is a table showing the number of different types of fruit sold each day.

	Bananas	Apples
Mon	2	3
Tues	4	5
Wed	6	2
Thurs	5	4
Fri	8	1

This graph can be used to represent the data from the table.



Mark each point for the number of bananas sold each day and join each point with a line.

Mark each point for the number of apples sold each day and join each point with a line.