


Part 1 – Collect your data																										
You are going to collect data about your sweets.																										
Step	Instructions	Example																								
1	Open one bag of sweets and organise them so each colour is in a separate pile																									
2	Write down how many sweets of each colour are in the bag. You can do this on a piece of paper using a tally chart or if you prefer you can use a computer and an excel sheet.	<table border="1"> <thead> <tr> <th>Colour</th> <th>Tally</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>red</td> <td> </td> <td>4</td> </tr> <tr> <td>green</td> <td> </td> <td>5</td> </tr> <tr> <td>orange</td> <td> </td> <td>7</td> </tr> <tr> <td>yellow</td> <td> </td> <td>8</td> </tr> <tr> <td>purple</td> <td> </td> <td>3</td> </tr> </tbody> </table>	Colour	Tally	Number	red		4	green		5	orange		7	yellow		8	purple		3						
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3	Do the same for each bag of sweets that you have. At the end you should have a table that shows how many sweets of each colour are in each bag.	<table border="1"> <thead> <tr> <th>Colour</th> <th>Bag 1</th> <th>Bag 2</th> <th>Bag 3</th> </tr> </thead> <tbody> <tr> <td>red</td> <td>3</td> <td>2</td> <td>5</td> </tr> <tr> <td>green</td> <td>5</td> <td>3</td> <td>3</td> </tr> <tr> <td>orange</td> <td>6</td> <td>4</td> <td>2</td> </tr> <tr> <td>yellow</td> <td>3</td> <td>4</td> <td>6</td> </tr> <tr> <td>purple</td> <td>3</td> <td>7</td> <td>4</td> </tr> </tbody> </table>	Colour	Bag 1	Bag 2	Bag 3	red	3	2	5	green	5	3	3	orange	6	4	2	yellow	3	4	6	purple	3	7	4
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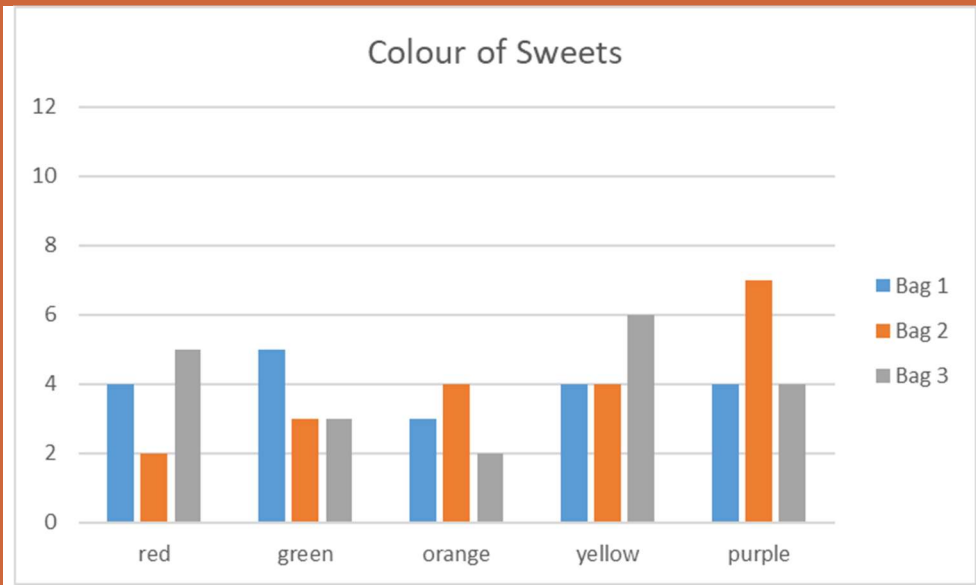
Part 2 – Analyse your Data

You are going to create a chart to help you understand your data.
 You can make a chart in lots of different ways including pen and paper, lego, and even using the sweets.

Step	Instructions	Example
4	<p>Create your axes. Put colour along the bottom and numbers up the side. You can make your axes on paper or using a lego base.</p>	
5	<p>Draw a bar for each colour in your first bag. It is important that you use the same colour for all your bars. You can use a ruler or the edge of a box to draw your bars. There are lots of ways you can make your chart.</p>	

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Update your chart with more bars for each bag of sweets. This chart shows the results for 3 bags.
Don't forget to add a legend, a place where you show which colour bar is used for each bag.



Part 3 – Conclusion – What does your data tell you?

You are going to use your chart to think about what you can learn about your bags of sweets.

Step	Instructions	Example
	<p>Try and answer some of these questions:</p> <p>Do all bags of sweets have the same number of sweets in them?</p> <p>What is the most common colour in each bag?</p> <p>Do all bags have the same combination of colours?</p> <p>Are all colours in all bags?</p>	<p>Green is the most common colour in bag 1</p> <p>Purple is the most common colour in bag 2</p> <p>Yellow is the most common colour in bag 3</p>