

KS3 Unit 15 Frequency Tables and Polygons

Topic/Skill	Definition/Tips	Example																					
1. Frequency Table	A record of how often each value in a set of data occurs .	<table border="1"> <thead> <tr> <th>Number of marks</th> <th>Tally marks</th> <th>Frequency</th> </tr> </thead> <tbody> <tr> <td>1</td> <td> </td> <td>7</td> </tr> <tr> <td>2</td> <td> </td> <td>5</td> </tr> <tr> <td>3</td> <td> </td> <td>6</td> </tr> <tr> <td>4</td> <td> </td> <td>5</td> </tr> <tr> <td>5</td> <td> </td> <td>3</td> </tr> <tr> <td>Total</td> <td></td> <td>26</td> </tr> </tbody> </table>	Number of marks	Tally marks	Frequency	1		7	2		5	3		6	4		5	5		3	Total		26
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3		6																					
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5		3																					
Total		26																					
2. Grouped Frequency Table	These are used when there is a large data set or a big spread of data or when the data is continuous.	<table border="1"> <thead> <tr> <th>height h (cm)</th> <th>freq.</th> </tr> </thead> <tbody> <tr> <td>$30.5 \leq h < 40.5$</td> <td>3</td> </tr> <tr> <td>$40.5 \leq h < 50.5$</td> <td>7</td> </tr> <tr> <td>$50.5 \leq h < 60.5$</td> <td>5</td> </tr> <tr> <td>$60.5 \leq h < 70.5$</td> <td>4</td> </tr> <tr> <td>$70.5 \leq h < 80.5$</td> <td>2</td> </tr> </tbody> </table>	height h (cm)	freq.	$30.5 \leq h < 40.5$	3	$40.5 \leq h < 50.5$	7	$50.5 \leq h < 60.5$	5	$60.5 \leq h < 70.5$	4	$70.5 \leq h < 80.5$	2									
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3. Frequency Polygon	Used for continuous data. Plot the middle values for each class against the frequency and join together using a ruler.																						