

Topic	Information	Examples	Sparx Clip																		
1	<p>Angles</p> <p>Use a ruler, pencil and protractor to draw and measure angles.</p> <p>Acute angles are less than 90° Obtuse angles are between 90° and 180° Reflex angles are greater than 180°</p>	<p style="text-align: center;">Acute Obtuse Reflex</p>	M502, M541, M780, M331																		
2	<p>Finding unknown angles</p> <p>Angles around a point sum to 360° Angles on a straight line sum to 180° Angles in a triangle sum to 180° When 2 straight lines cross, vertically opposite angles are equal.</p>		M502, M707, M509, M818, M163, M351																		
3	<p>Averages and range</p> <p>Mean - Add all the values, and divide by the number of values Median - the middle value when the numbers are put in order Mode - the number that appears the most Range - the highest value subtract the lowest value</p>	<table style="width: 100%; text-align: center;"> <tr> <td>131 cm</td> <td>102 cm</td> <td>145 cm</td> <td>127 cm</td> </tr> <tr> <td>119 cm</td> <td>132 cm</td> <td>102 cm</td> <td>123 cm</td> </tr> </table> <p>Mode = 102 cm Median = 125 cm Mean = 122.6 cm Range = 43 cm</p>	131 cm	102 cm	145 cm	127 cm	119 cm	132 cm	102 cm	123 cm	M763, M704, M928, M429, M347, M152, M187, M803, M354, M262, M328, M934, M841, M940										
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4	<p>Handling data and statistical diagrams</p> <p>Frequency tables, two-way tables, tally charts, pictograms and bar charts are all diagrams that can be used to display data.</p>	<table border="1" style="display: inline-table; margin-right: 20px;"> <thead> <tr> <th>Transport</th> <th>Tally</th> <th>Frequency</th> </tr> </thead> <tbody> <tr> <td>Walk</td> <td> </td> <td>13</td> </tr> <tr> <td>Bus</td> <td> </td> <td>7</td> </tr> <tr> <td>Car</td> <td> </td> <td>4</td> </tr> <tr> <td>Bike</td> <td> </td> <td>5</td> </tr> <tr> <td>Train</td> <td> </td> <td>1</td> </tr> </tbody> </table> <div style="display: inline-block; vertical-align: top;"> <p>Mean Hours of Sunshine in June</p> </div> <div style="display: inline-block; vertical-align: top; margin-left: 20px;"> <p>Colours of Cars</p> </div>	Transport	Tally	Frequency	Walk		13	Bus		7	Car		4	Bike		5	Train		1	M899, M597, M644, M460, M738, M328, M934, M841, M940, M899, M597, M644, m460, M738, M945, M450, M127, M440
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6	<p>Proportion word problems</p> <p>A recipe for 6 pancakes uses 300 ml of milk. How much milk is needed to make 3 pancakes? For every 6 pancakes there is 300 ml of milk. $\div 2$ ↓ $\div 2$ ↓ For every 3 pancakes there is 150 ml of milk.</p>	<p>3 cakes cost £1.50. How much will 5 cakes cost? $\pounds 1.50 \div 3 = \pounds 0.50$ $\pounds 0.50 \times 5 = \pounds 2.50$</p> <p>A 6-pack of pop costs £2.40. How much will a 10-pack cost? $\pounds 2.40 \div 6 = \pounds 0.40$ $\pounds 0.40 \times 10 = \pounds 4.00$</p>	M757, M478																		

