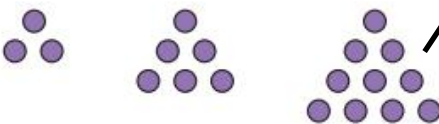
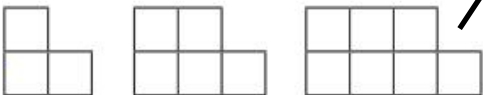

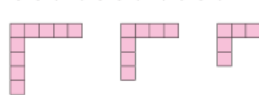





Question	Answer																								
1	<div></div> <div><table><tr><td>Position</td><td>1</td><td>2</td><td>3</td></tr><tr><td>Term</td><td>3</td><td>5</td><td>7</td></tr></table><table><tr><td>Position</td><td>1</td><td>2</td><td>3</td></tr><tr><td>Term</td><td>3</td><td>6</td><td>10</td></tr></table><table><tr><td>Position</td><td>1</td><td>2</td><td>3</td></tr><tr><td>Term</td><td>1</td><td>3</td><td>5</td></tr></table></div>	Position	1	2	3	Term	3	5	7	Position	1	2	3	Term	3	6	10	Position	1	2	3	Term	1	3	5
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2	<div>a) <table><tr><td>Position</td><td>1</td><td>2</td><td>3</td></tr><tr><td>Term</td><td>4</td><td>7</td><td>10</td></tr></table></div> <div>b) <table><tr><td>Position</td><td>1</td><td>2</td><td>3</td></tr><tr><td>Term</td><td>5</td><td>9</td><td>13</td></tr></table></div>	Position	1	2	3	Term	4	7	10	Position	1	2	3	Term	5	9	13								
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3	<div>a) 4 sticks, 7 sticks, 10 sticks arranged to make squares. The table tells us that the 1st term is 4, the 2nd term is 7 and the 3rd term is 10 The graph tells is the same information as the table but plotted on a set of axis.</div> <div>b) Each representation shows the same sequence</div> <div>c) The points join together to make a straight line segment. This is because they represent a linear sequence (there is a constant difference between each term).</div>																								
4	<div>a) <table><tr><td>Position</td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr><tr><td>Term</td><td>1</td><td>4</td><td>9</td><td>16</td><td>25</td></tr></table></div> <div>b) The points don't make a straight line because the sequence isn't linear. There isn't a constant difference between each term.</div>	Position	1	2	3	4	5	Term	1	4	9	16	25												
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Term	1	4	9	16	25																				
5	<div></div> <div>These sequences are linear because in each case there is a constant difference.</div>																								