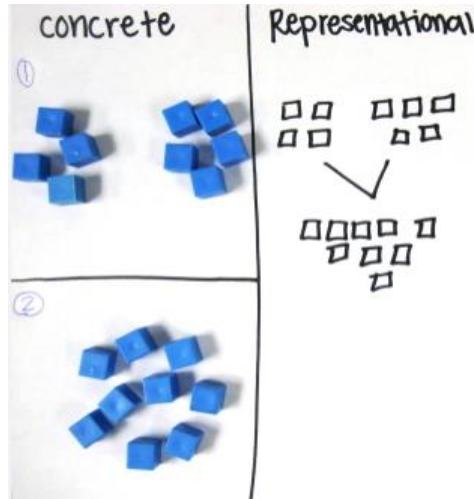


Pictorial Resource Bank for Maths

Pictorial resource	Picture	Learning that it can support...
<p>100-square</p>		<ul style="list-style-type: none"> • Addition and subtraction (more and less, counting on, counting back) • Odd and even numbers • Decimals • Counting in multiples and identifying the pattern • Place value
<p>Arrays (Can be given to the child or drawn by the child)</p>		<ul style="list-style-type: none"> • Multiplication and times tables • Demonstrates commutativity- <i>6 x 2 is the same as 2 x 6</i> • Division • Area- <i>multiply width by height to find area</i>
<p>Bar model (Drawn by the child or adult supporting)</p>		<ul style="list-style-type: none"> • All four operations • Ratio • Finding fractions of amounts • Equivalent fractions

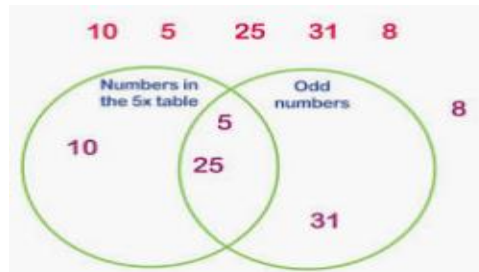
Base 100/Dienes
(Drawn by the child or adult supporting)



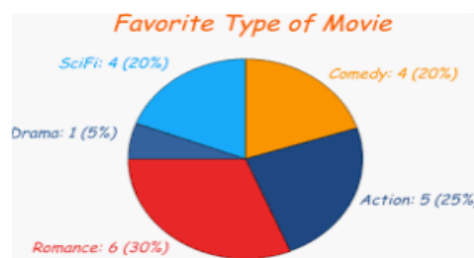
- Partitioning
- All four operations
- Finding 1 more or 1 less and greater than and less than

Graphs and charts

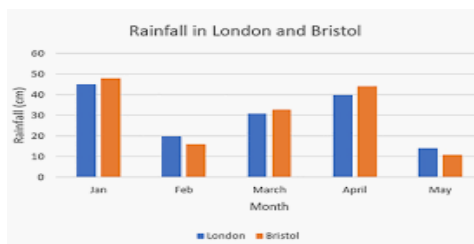
Venn diagram



Pie chart



Bar graph

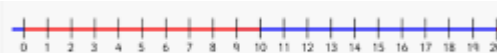


Pictogram

Colour	Number of Smarties	Frequency
Green		7
Orange		8
Blue		5
Pink		6

- Data handling
- Fractions and percentages- *what fraction/percentage of people chose comedy as their favourite movie type?*
- Ratio
- Finding the difference
- Addition- *how many people were surveyed in total?*
- Comparison
- Angles (pie chart)
- Sorting and classifying (venn diagram)

Number lines and blank number lines



- Addition and subtraction (more and less, counting on, counting back)
- Division- *sharing into equal groups*
- Multiplication

<p>Part whole model</p>		<ul style="list-style-type: none"> Decompose numbers Addition and subtraction Inverse 																																																																																																																																																																									
<p>Place value grid</p>		<ul style="list-style-type: none"> Partition numbers-<i>write each digit in the correct column to determine the value of each digit</i> 																																																																																																																																																																									
<p>Five/Ten frames (The children draw it themselves/are given the frame and they draw the counters on)</p>		<ul style="list-style-type: none"> Number bonds Addition and subtraction Bridging ten 																																																																																																																																																																									
<p>Times table grid</p>	<table border="1"> <thead> <tr> <th>X</th> <th>1</th> <th>2</th> <th>3</th> <th>4</th> <th>5</th> <th>6</th> <th>7</th> <th>8</th> <th>9</th> <th>10</th> <th>11</th> <th>12</th> </tr> </thead> <tbody> <tr><td>1</td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td></tr> <tr><td>2</td><td>2</td><td>4</td><td>6</td><td>8</td><td>10</td><td>12</td><td>14</td><td>16</td><td>18</td><td>20</td><td>22</td><td>24</td></tr> <tr><td>3</td><td>3</td><td>6</td><td>9</td><td>12</td><td>15</td><td>18</td><td>21</td><td>24</td><td>27</td><td>30</td><td>33</td><td>36</td></tr> <tr><td>4</td><td>4</td><td>8</td><td>12</td><td>16</td><td>20</td><td>24</td><td>28</td><td>32</td><td>36</td><td>40</td><td>44</td><td>48</td></tr> <tr><td>5</td><td>5</td><td>10</td><td>15</td><td>20</td><td>25</td><td>30</td><td>35</td><td>40</td><td>45</td><td>50</td><td>55</td><td>60</td></tr> <tr><td>6</td><td>6</td><td>12</td><td>18</td><td>24</td><td>30</td><td>36</td><td>42</td><td>48</td><td>54</td><td>60</td><td>66</td><td>72</td></tr> <tr><td>7</td><td>7</td><td>14</td><td>21</td><td>28</td><td>35</td><td>42</td><td>49</td><td>56</td><td>63</td><td>70</td><td>77</td><td>84</td></tr> <tr><td>8</td><td>8</td><td>16</td><td>24</td><td>32</td><td>40</td><td>48</td><td>56</td><td>64</td><td>72</td><td>80</td><td>88</td><td>96</td></tr> <tr><td>9</td><td>9</td><td>18</td><td>27</td><td>36</td><td>45</td><td>54</td><td>63</td><td>72</td><td>81</td><td>90</td><td>99</td><td>108</td></tr> <tr><td>10</td><td>10</td><td>20</td><td>30</td><td>40</td><td>50</td><td>60</td><td>70</td><td>80</td><td>90</td><td>100</td><td>110</td><td>120</td></tr> <tr><td>11</td><td>11</td><td>22</td><td>33</td><td>44</td><td>55</td><td>66</td><td>77</td><td>88</td><td>99</td><td>110</td><td>121</td><td>132</td></tr> <tr><td>12</td><td>12</td><td>24</td><td>36</td><td>48</td><td>60</td><td>72</td><td>84</td><td>96</td><td>108</td><td>120</td><td>132</td><td>144</td></tr> </tbody> </table>	X	1	2	3	4	5	6	7	8	9	10	11	12	1	1	2	3	4	5	6	7	8	9	10	11	12	2	2	4	6	8	10	12	14	16	18	20	22	24	3	3	6	9	12	15	18	21	24	27	30	33	36	4	4	8	12	16	20	24	28	32	36	40	44	48	5	5	10	15	20	25	30	35	40	45	50	55	60	6	6	12	18	24	30	36	42	48	54	60	66	72	7	7	14	21	28	35	42	49	56	63	70	77	84	8	8	16	24	32	40	48	56	64	72	80	88	96	9	9	18	27	36	45	54	63	72	81	90	99	108	10	10	20	30	40	50	60	70	80	90	100	110	120	11	11	22	33	44	55	66	77	88	99	110	121	132	12	12	24	36	48	60	72	84	96	108	120	132	144	<ul style="list-style-type: none"> Times tables Squaring numbers Finding equivalent fractions: <p><i>Read from left to right, each 2 rows, make equivalent fractions</i></p>
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