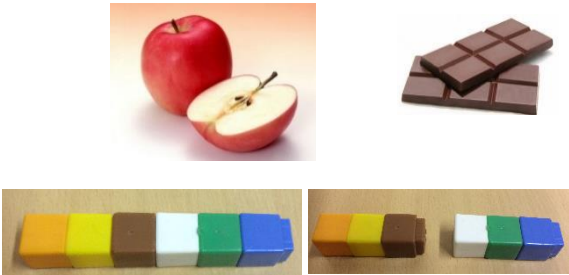
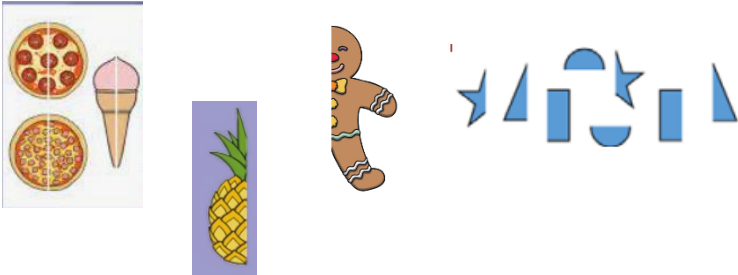
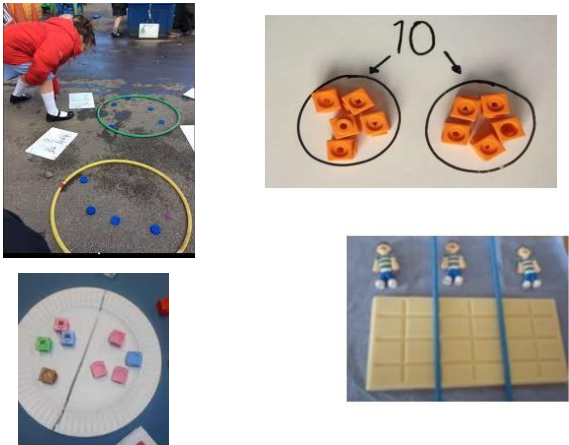
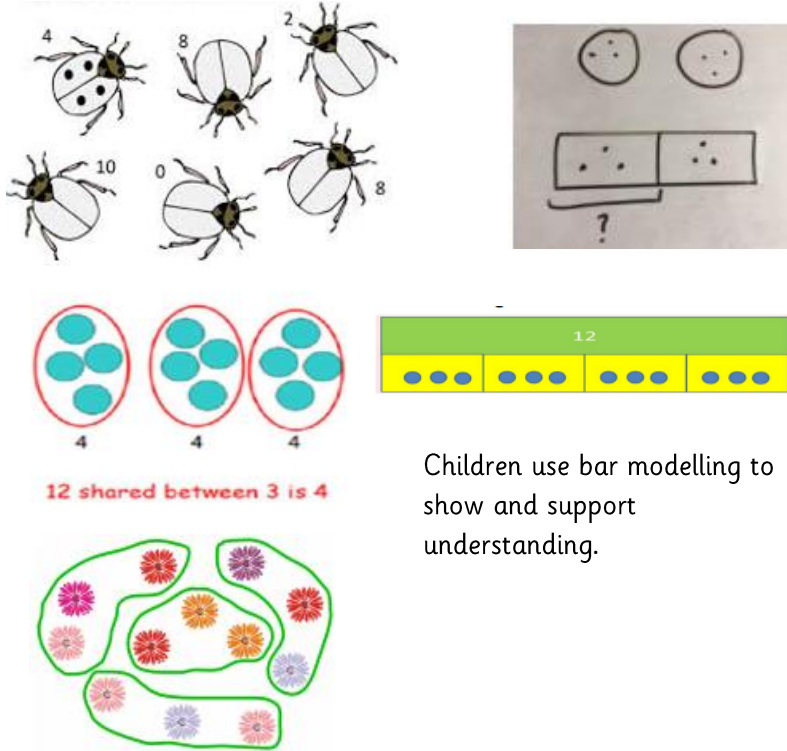
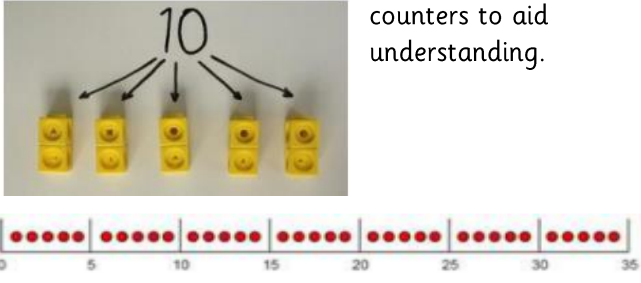
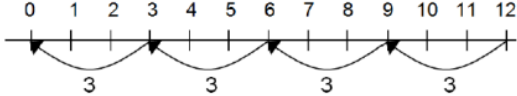
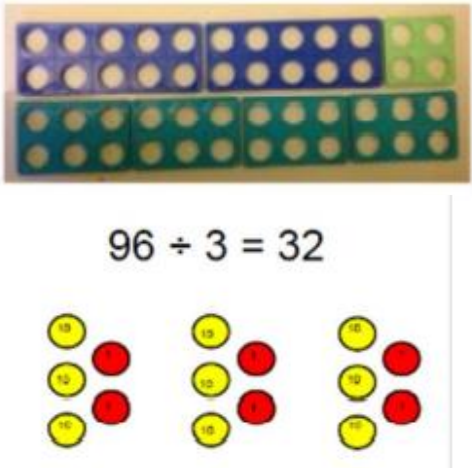
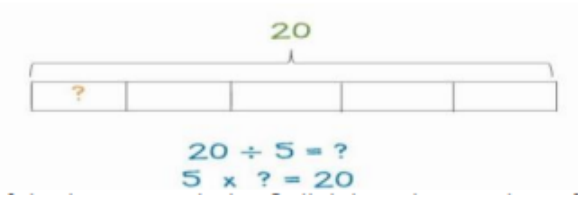
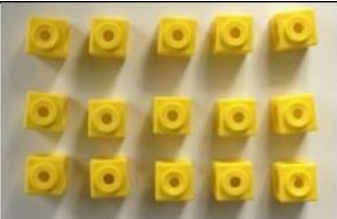
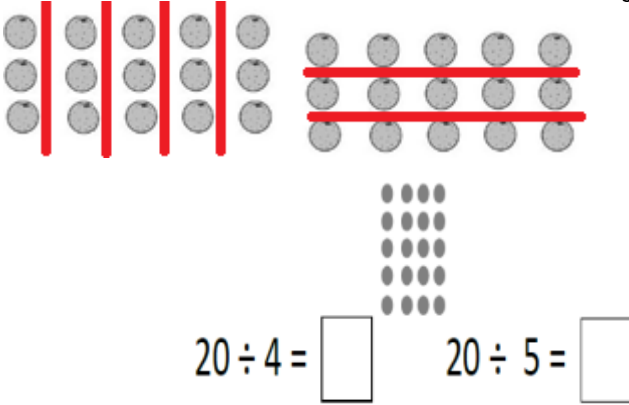
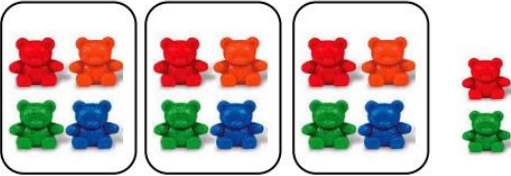
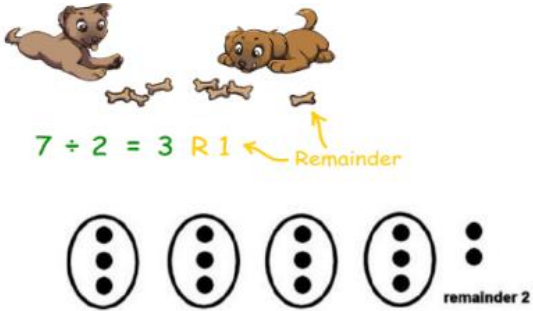


Strategies	Concrete	Pictorial	Abstract		
<p>Halving</p>	<p>Children have the opportunity to physically split objects, food, shapes or numbers in half. Is each part exactly the same?</p> 	<p>Use pictures to visualise half of an image or number.</p> 	<p>What is half of 6?</p> <p>Half of 8 is...</p> <p>If I have 10 sweets and I give half to my friends, how many will they have?</p>		
<p>Division as Sharing</p>	<p>Children count out maths resources to share into two, then more, equal groups.</p> 	<p>Children use pictures or shapes to share quantities.</p>  <p>Children use bar modelling to show and support understanding.</p>	<p>Can you share 10 sweets between 2 people?</p> $10 \div 2 = 5$ <p>6 shared by 2 is 3</p> <table border="1" data-bbox="1883 970 2181 1018"> <tr> <td>3</td> <td>3</td> </tr> </table> <p>12 shared between 3 is 4</p>	3	3
3	3				

<p>Division as Grouping</p> <p>This is a good opportunity to demonstrate and reinforce the inverse relationship with multiplication.</p>	<p>Divide quantities into equal groups. Use cubes, counters, objects or place value counters to aid understanding.</p> 	<p>Show jumps in groups. The number of jumps equals the number of groups.</p> <p>$12 \div 3 = 4$</p> 	<p>$28 \div 7 = 4$</p> <p>Divide 28 into 7 groups. How many are in each group?</p> <p>Max is filling party bags with sweets. He has 20 sweets altogether and decides to put 5 in every bag. How many bags can he fill?</p>
<p>Division as Grouping</p>	 <p>$96 \div 3 = 32$</p>	<p>Think of the bar as a whole. Split it into the number of groups you are dividing by and work out how many would be within each group.</p>  <p>$20 \div 5 = ?$ $5 \times ? = 20$</p>	<p>How many groups of 6 are there in 24?</p> <p>$24 \div 6 = 4$</p>

<p>Division with Arrays</p>	<p>Link division to multiplication by creating an array and thinking about the number sentences that can be created.</p>  <p> $15 \div 3 = 5$ $3 \times 5 = 15$ $15 \div 5 = 3$ $5 \times 3 = 15$ </p>	<p>Begin to use dot arrays to develop a more abstract concept of division. Children can draw lines to divide their array.</p>  <p> $20 \div 4 = \square$ $20 \div 5 = \square$ </p>	<p>Find the inverse by creating 4 different number sentences.</p> <p> $7 \times 4 = 28$ $4 \times 7 = 28$ $28 \div 7 = 4$ $28 \div 4 = 7$ </p>
<p>Division with a Remainder</p>	<p>Divide objects between groups and see how many are left over.</p> <p>$14 \div 3 =$</p> 	 <p> $7 \div 2 = 3 \text{ R } 1$ ← Remainder </p> <p>remainder 2</p>	<p>Complete written divisions and show remainder with an R:</p> <p>E.g. $7 \div 2 = 3 \text{ R } 1$</p>