


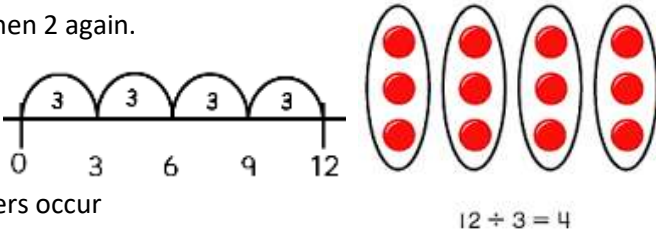


## Progression of Teaching in Calculation (Division)

Year	Progression and Method	End of Year Expectations
<b>R</b>	Sharing in play situations	
<b>1</b>	<p>Sharing into equal groups of 2, 5 and 10. No remainders. Share 8 sweets.</p> <p>Visual prompts to aid grouping</p>    <p>Solve one-step problems using concrete objects, representations and arrays with teacher support.</p> <p style="text-align: right;">pictorial</p>	<p>To share in lots of 2, 5 and 10 using grouping. No remainders</p>
<b>2</b>	<p>Halves of even numbers up to 20; relate finding half to 2x table. Learn division facts for 2x, 5x and 10x tables. Find halves and quarters by dividing by 2, then 2 again.</p> <p>Using the division sign <math>\div</math>    <math>12 \div 3 =</math></p>  <p>Dividing two digit numbers where remainders occur <math>37 \div 5 = 7r2</math></p> <p>Solve problems involving division using arrays, repeated addition on a numberline, mental methods and multiplication facts.</p>	<p>Recall division facts for the 2x, 5x and 10x tables.</p> <p>To be able to divide 2 digit numbers by 2, 5 and 10 including numbers with remainders. Know that division needs to be carried out in an unchanged order (it is not commutative).</p>
<b>3</b>	<p>Learn division facts for 2x, 3x, 4x, 5x, 8x and 10x tables facts Recognising the inverse of division is multiplication and linking to knowledge of times tables. i.e. <math>6 \times 4 = 24</math>   <math>24 \div 6 = 4</math> Divide a two-digit number by 2, 3, 4, 5, 8, and 10 using chunking method and known tables. Use 10x and 5x as a guide <math>37 \div 4 =</math>    <math>9 \times 4 = 36</math> r1   <math>37 \div 4 = 9r1</math> Use short division method</p> $\begin{array}{r} 9 \text{ r}1 \\ 4 \overline{) 37} \end{array}$ <p>Solve word problems involving division, rounding remainders up and down where appropriate.</p>	<p>To know and apply 2, 3, 4, 5, 8 and 10 times table facts to division calculations</p> <p>To use short division method.</p>

