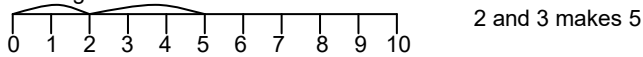
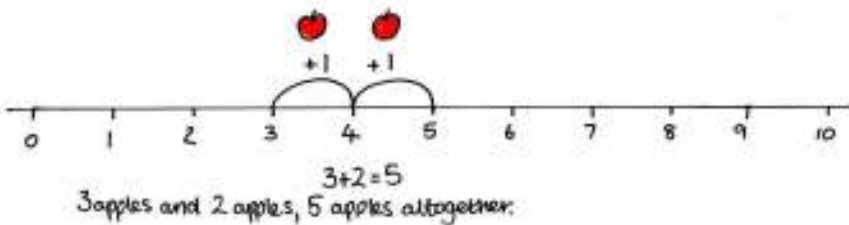
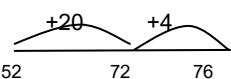
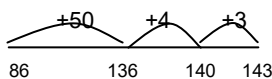


Ashton West End Primary Academy

Progression in Maths – Addition

Year	Addition Progression
R	<p>Practical, counting objects and relating addition to combining two groups of objects Using fingers, counting on technique</p>
1	<p>Counting on or back in heads then introduce number line.  </p> <p>Record simple number sentences then introduce symbols. $5 + 3 + 1 = 9$ $2 + 3 = \square$</p> <p>Practical experiences of addition as counting on, in real life contexts. i.e. There were 5 apples in the fruit bowl. Mum bought 4 more apples. How many apples are in the fruit bowl now?</p> <p>Link the practical activity of 'counting on' to using a structured number line. If I have 3 apples in my bag and I pick two more apples. I have five altogether.</p> <div style="text-align: center;">  </div> <p>Then move onto TU + U upto 20.</p>
2	<p>Use a number line to add TU + U including bridging Then use a number line to add TU + TU including bridging. Record number sentences using symbols. Partition numbers to add.</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>(a) $52 + 24$</p>  </div> <div style="width: 45%;"> <p>(b) $61 + 14 = \square$ $\square + \triangle = 9$</p> </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="width: 45%;"> <p>(c) $12 + 7 + 4 = \square$</p> </div> <div style="width: 45%;"> <p>(d) $15 + 12 =$ $10 + 10 = 20$ $5 + 2 = 7$ 27</p> </div> </div>
3	<p>Continue using number lines</p> <p>(a) $86 + 57$</p>  <p>Partition numbers to add</p> <p>(b) $86 + 57 = 80 + 50 = 130$ $6 + 7 = 13$ $130 + 13 = 143$</p> <p>(c) $86 + 57 = 86 + 50 + 7 = 136 + 7 = 143$</p> <p>d)</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: left;"> $\begin{array}{r} 625 \\ + 48 \\ \hline 673 \end{array}$ </div> <div style="text-align: left;"> $\begin{array}{r} 367 \\ + 85 \\ \hline 452 \end{array}$ </div> </div> <p style="text-align: center;">Use number lines to check answers</p>

4	$\begin{array}{r} ^1 \\ 625 \\ + 48 \\ \hline 673 \end{array}$ $\begin{array}{r} ^1 \\ 367 \\ + 85 \\ \hline 452 \end{array}$ <div style="text-align: center; margin: 10px 0;"><input type="checkbox"/></div> <p>Add numbers with up to four digits using the formal written methods of columnar addition where appropriate.</p>
5	<p>Compact method for integers and decimals with more than four digits.</p> $\begin{array}{r} ^1 \\ 587 \\ +475 \\ \hline 1062 \end{array}$ $\begin{array}{r} ^1 \\ 3587 \\ + 675 \\ \hline 4262 \end{array}$ $\begin{array}{r} ^1 \\ \pounds 6.72 \\ \pounds 8.56 \\ +\pounds 2.30 \\ \hline \pounds 17.58 \end{array}$
6	<p>Compact method for integers and decimals with larger numbers.</p> $\begin{array}{r} ^1 \\ 7648 \\ + 1486 \\ \hline 9134 \end{array}$ $\begin{array}{r} ^1 \\ 124.9 + 7.25 \\ ^1 \\ 124.90 \\ + 7.25 \\ \hline 132.15 \end{array}$