| Yr | Addition Strategies | Enactive ( Concrete) | Iconic (Pictorial) | Symbolic |
| :---: | :---: | :---: | :---: | :---: |
| R | Finding the sum of two numbers. Combining 2 parts to make a whole: part-part whole model | Use cubes and numicon to add two numbers together as a group or in a bar. <br>  | $2+4=6$ | Children will annotate enactive and iconic with numerals as they develop this skill. |


| 1 | Using a range of manipulati ves to add one and two digit numbers to 50 . | Using Numicon to investigate the creation of 10 and above. First steps to bridging. $6+5=11$ <br> Start with the bigger number and use the smaller number to make 10 . | e.g. $8+5=13$ $13+6=19$ <br> $22=14+8$ <br> .merossing 10's boundarie: <br> Start at the larger number on the number line and count on in ones or in one jump to find the answer. <br> Use pictures or a number line. Regroup or partition the smaller number to make 10. $9+5=14$ <br> 14 | $5+12=17$ <br> Place the larger number in your head and count on the smaller number to find the answer. $7+4=11$ <br> If I am at seven, how many more do I need to make 10. How many more do I add on now? |
| :---: | :---: | :---: | :---: | :---: |
| 2 | Adding three single digits | $4+7+6=17$ <br> Put 4 and 6 together to make 10. Add on 7. $4+6$ $+7$ <br> Following on from making 10, make 10 with 2 of the digits (if possible) then add on the third digit. | Add together three groups of objects. Draw a picture to recombine the groups to make 10. | $\begin{aligned} (4+7+6 & =10+7 \\ & =17 \end{aligned}$ <br> Combine the two numbers that make 10 and then add on the remainder. |



| 3 | Column method including regrouping up 3 digit numbers including tenths | Begin in the ones column. For every 10 created exchange for a 10 counter. <br> As children move on to decimals and money, decimal place value counters can be used to support learning. | This informal representation is used to clarify understanding and can be used alongside number lines. It will also aid fluency in mental calculations. <br> The bar model reinforces the concept of part part whole. <br> Find the sum of 136 and 245. | Expanded and column methods to add up to 3 digit numbers bridging 10 and 100. <br> Children must always show place value headings. |
| :---: | :---: | :---: | :---: | :---: |
| 4 | Column method increasing in place value. | Place value counters and place value frames will still be available to support understanding of the concept. | Expanded method-using decimals. |  |


|  |  |  | There were 6000 books for sale at a book fair. <br> 3419 books were sold on the first day of the fair and 2268 books were sold on the second day. <br> How many books were left at the end of the second day? <br> To promote fluency number lines can be used for addition of decimals | Start by partitioning the numbers before moving on to clearly show the exchange below the addition. $\begin{aligned} & 20+5 \\ & 40+8 \\ & \hline 60+13=73 \end{aligned}$ $\begin{array}{lr} 536 \\ \begin{array}{l} \text { As the children } \\ \text { move on, } \\ \text { introduce } \\ \text { decimal with } \end{array} & \frac{621}{11} \end{array}$ decimals with the same number of decimal places and different. Money can be used here. |
| :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \mathrm{Yr} \\ & 5 / \\ & 6 \end{aligned}$ |  | Place value counters and place value frames will still be available to support understanding of the concept. | Where necessary do not be afraid to use the expanded method for initial explanation. <br> Number lines promote fluency and are a clear assessment tool. | See Above <br> Remember <br> Children should label place value columns to ensure accuracy and to allow the children to identify errors. |

