|  |  | Vocabulary: <br> add, plus, more, total, increase, altogether, combine addend + addend = sum exchange, regroup, column, digit, value, partition |
| :---: | :---: | :---: |
| Concrete | Pictorial | Abstract |
| Adding one more <br> "Walk the one up the stairs." | Number line <br> Count in jumps of one each time on a number line. | $\begin{aligned} & 0+1=1 \\ & 1+1=2 \\ & 2+1=3 \end{aligned}$ <br> "zero add one equals one" <br> "one plus one totals two" <br> "two and one makes three" |
| Adding facts within 10 <br> Build fluency through conceptual variation. <br> How many ways can we make seven? Which numbers total seven? | Number line | Number sentences $\begin{aligned} & 5+2=7 \\ & 3+4=7 \\ & 1+6=7 \\ & 0+7=7 \end{aligned}$ |


| Part-part whole relationships <br> If the whole is four, one part is three, what is the other part? | Part-part whole <br> Bar model | $\begin{aligned} & 4=3+1 \\ & 4=1+3 \end{aligned}$ <br> Four is equal to three and one Four is the whole. Three is a part and one is a part. $\begin{aligned} & 4=?+3 \\ & 4=1+? \end{aligned}$ |
| :---: | :---: | :---: |
| Doubling <br> Use of a mirror and Numicon can support visualisation. $\square$ 0 <br> 0 |  | $\begin{aligned} & 1+1=2 \\ & 2+2=4 \\ & 3+3=6 \end{aligned}$ |
| Number bonds to 10 |  | $\begin{aligned} & 10+0=10 \\ & 9+1=10 \\ & 8+2=10 \\ & 7+3=10 \\ & 6+4=10 \\ & 5+5=10 \end{aligned}$ |



| Addition: Year 2 |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Concrete |  |  |  |  | Pictorial |  |  |  | Abstract |  |
| Adding three single digit numbers <br> Look for number bonds within the adding sentence. Following on from making 10, make ten with 2 of the numbers (if possible) then add on the third number. <br> Example $4+7+6=17$ <br> Put 4 and 6 together to make 10. Add on 7 . |  |  |  |  | $\left(\begin{array}{lll} 00 & 00 & 0 \\ 0 & 0 & 0 \end{array}\right.$ |  |  |  | $\begin{aligned} & 4+7+6=17 \\ & 4+6=10 \\ & 10+7=17 \end{aligned}$ |  |
| Column m <br> Make both place value grid). <br> Add the on | hod without regrou <br> umbers using the eadings (on a <br> first, then the ten | ng (partition | one <br> 8 |  | Children can us hundreds | counters or | draw count | calculate. | $\begin{array}{r} \mathbf{T} \quad 0 \\ \hline 30 \quad 6 \\ +20 \quad 3 \\ 50+9=59 \end{array}$ | 9 |
| Column m | hod with regroupin |  |  | ones | hundreds | $\begin{aligned} & \frac{\text { ones }}{1000} \\ & 0.00 \end{aligned}$ | hundreds |  | $\begin{array}{r} 30+8 \\ 20+5 \\ \hline 50+10+3 \\ =63 \end{array}$ |  |




