Fairfields Primary School

## Progression in Calculation Policy

Progression in Calculations - Addition
Objective and
Strategies
Combining two
parts to make a
whole: part-
whole model


| Column method－ no regrouping | $24+15=$ <br> Add together the ones first then add the tens． Use the Base 10 blocks first before moving onto place value counters． |  |  |  | After practically using the base 10 blocks and place value counters， children can draw the counters to help them to solve additions． <br> T |  | Calculations $21+42=$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 0 <br> ロロロロ <br> ロロロロロ | © <br> （1） <br> （3） <br> 0 | 0 0000 0000 |  |  | $\begin{array}{r} 21 \\ +42 \\ \hline \end{array}$ |


Objective and
Strategies
Taking away ones
Find the
difference
Part -Part -Whole

Model | Compare amounts and objects to find the |
| :--- |
| difference. |




Objective and
Strategies Coubling
Repeated
addition


Objective and
Strategies
Sharing objects
into groups

| Division within arrays | Link division to multiplication by creating an array and thinking about the number sentences that can be created. <br> Eg $15 \div 3=5 \quad 5 \times 3=15$ <br> $15 \div 5=3 \quad 3 \times 5=15$ | Draw <br> an array and use lines to split the array into groups to make multiplication and division sentences. | Find the inverse of multiplication and division sentences by creating four linking number sentences. $\begin{aligned} & 7 \times 4=28 \\ & 4 \times 7=28 \\ & 28 \div 7=4 \\ & 28 \div 4=7 \end{aligned}$ |
| :---: | :---: | :---: | :---: |
| Division with a remainder | $14 \div 3=$ <br> Divide objects between groups and see how much is left over | Jump forward in equal jumps on a number line then see how many more you need to jump to find a remainder. | Complete written divisions and show the remainder using r . |
|  |  | Draw dots and group them to divide an amount and clearly show a <br> : <br> remainder 2 <br> remainder. |  |




