## CPA Policy

## Division - Y1

| Objective and Strategy | Concrete | Pictorial | Abstract |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Division as sharing | Children are given lots of opportunities to <br> share different resources between equal <br> groups. | Children use pictures or shapes to share <br> quantities. | 12 shared between 3 is |

## Division - Y2



Division with arrays

Link division to multiplication by creating an array and thinking about the number sentences that can be created.


$$
15 \div 3=5 \quad 5 \times 3=15
$$

Draw 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 eight linking number sentences.
$7 \times 4=28$
$4 \times 7=28$
$28 \div 7=4$
$28 \div 4=7$
$28=7 \times 4$
$28=4 \times 7$
$4=28 \div 7$
$7=28 \div 4$

$$
15 \div 5=3 \quad 3 \times 5=15
$$

## Division - Y3

\begin{tabular}{|c|c|c|c|}
\hline Objective and Strategy \& Concrete \& Pictorial \& Abstract <br>

\hline Division as grouping \& \begin{tabular}{l}
Use cubes, counters, objects or place value counters to aid understanding. <br>
24 divided into groups of $6=4$
$$
96 \div 3=32
$$

\end{tabular} \& Continue to use bar modelling to aid solving division problems.

$$
\begin{aligned}
& 20 \div 5=? \\
& 5 \times ?=20
\end{aligned}
$$ \& How many groups of 6 in 24?

$$
24 \div 6=4
$$ <br>

\hline Division on a number line (with and without remainders) \& | $14 \div 3=$ |
| :--- |
| 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. |
| :--- |
| Draw dots and group them to divide an amount and clearly show a remainder. |
| Use bar models to show division with remainders. | \& | See calculation policy |
| :--- |
| For calculations with remainders Complete written divisions and show the remainder using $r$. | <br>

\hline
\end{tabular}

## Division - Y4

| Objective and Strategy | Concrete | Pictorial | Abstract |
| :---: | :---: | :---: | :---: |
| Division of 3 digit numbers by 1 digit. <br> Short Division | Use place value counters to divide using the bus stop method <br> For division with exchanging $\text { e.g. } 42 \div 3=$ <br> Start with the biggest place value, we are sharing 40 into three groups. We can put 1 ten in each group and we have 1 ten left over. <br> We exchange this ten for ten ones and then share the ones equally among the groups. <br> We look how much in 1 group so the answer is 14 . | Students can continue to use drawn diagrams with dots or circles to help them divide numbers into equal groups. <br> No regrouping <br> (10) (20) (10) <br> 10 10 10 <br> (1) (1) (1) 1818 <br> With regrouping | See Calculation Policy |



