Concrete

Use of Numicon shapes
How many groups of 2 fit onto my 8 shape?


Exploring concept of remainders as "left-over"
I have 14 share bears.
I want to group them equally into groups of 4.
How many groups can I make?

I can make 3 whole groups and there are 2 left over.


Use of the number line.
Start at 0 and jump in 2 s up to 8 .
How many equal jumps of 2 ?
There are 4 equal jumps.
This progresses on from the Numicon shapes.


How many equal groups of 3 can you make in 14 ?
$14 \div 3=4$ with 2 left over
I have made 4 groups with 2 left over.


| Newbold Verdon Primary School - Calcula <br> Division: Year 3-4 |  | Vocabulary: <br> grouping, sharing, splitting, equal groups, dividing, divide, division, remainder, left over, fraction, part, jump, number line <br> dividend $\div$ divisor $=$ quotient |
| :---: | :---: | :---: |
| Concrete <br> Division using arrays <br> Children to use Numicon pegs and baseboards create an array. <br> Look for what division facts they can identify. <br> E.g. 12 pegs divided into 3 rows of 4 pegs <br> 12 pegs divided into 4 columns of 3 pegs | Pictorial <br> Array drawn or represented using shapes. | Abstract <br> I know that: $\begin{aligned} & 12 \div 4=3 \\ & 12 \div 3=4 \end{aligned}$ |
| Dividing on a number line | Use of the number line. Start at 0 and jump in 4 s up to 12 . How many equal jumps of 4? <br> There are 3 equal jumps | $\begin{aligned} & 12 \div 4=3 \\ & 12 \div 3=4 \end{aligned}$ |





