

# Division

## YEAR 1 – Group and share small quantities

Using objects, diagrams and pictorial representations to solve problems involving both grouping and sharing.

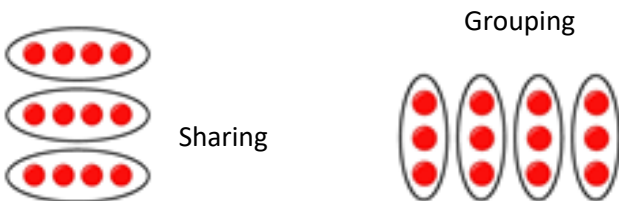


Children should be taught that sharing 12 stars between 3 groups and grouping 12 stars into 3s both give a total of 4.

## YEAR 2 – Group and share using arrays and the ÷ and = signs

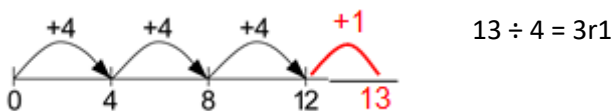
Children build upon work on sharing and grouping in year 1. They use division symbols in number sentences and work out related division facts for x2, x3, x5 and x10 tables mentally, using arrays if necessary.

$$12 \div 3 = 4$$



## YEAR 3 – Divide a two digit number by a single digit – number line

Children continue to work out unknown division facts by grouping on a number line (where it cannot be calculated mentally).



Some children may be ready to move onto short division before entering year 4.

## YEAR 4 – Divide a three digit number by a single digit – short division

As numbers get larger children move onto short division to calculate a HTO ÷ O

$$\begin{array}{r} 321 \\ 3 \overline{)963} \end{array}$$



$$186 \div 6 = \begin{array}{r} 031 \\ 6 \overline{)186} \end{array}$$

no groups of 6 can be made       $3 \times 6 = 18$        $1 \times 6 = 6$