

Division

YEAR 1 – Share small quantities

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



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

Children build upon work on sharing in year 1 and introduce grouping. 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.

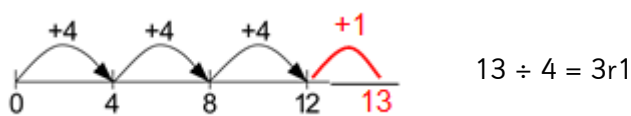
$$12 \div 3 = 4$$



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

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



$$186 \div 6 = \begin{array}{r} 031 \\ 6 \overline{) 186} \\ \underline{6} \\ 18 \\ \underline{18} \\ 0 \\ \underline{0} \\ 0 \end{array}$$

no groups of 6 can be made 1 × 6 = 6
3 × 6 = 18