

## Helping your child with Maths:

# DIVISION



### Stage 5: Long Division

$$560 \div 24 = 23 \text{ r}8$$

$$\begin{array}{r}
 23 \text{ r} \frac{8}{24} \\
 24 \overline{) 560} \\
 \underline{48} \phantom{0} \\
 80 \\
 \underline{72} \\
 8
 \end{array}$$

**Step 1** – Can we get 24 into 5? No, so how many times can we ‘get 24 into 56?’ –  $2 \times 24 = 48$ .

$56 - 48 = 8$  then drop the 0 from 560.

**Step 2** – how many times can we get 24 into 80?  $3 \times 24 = 72$ .

$80 - 72 = 8$

There are no more digits to ‘drop’

Can we get 24 into 8? No, therefore 8 becomes the remainder.

Watch the video on website for an explanation.

Children use this method for dividing by double digit numbers. Children will need times table knowledge for this method. We advise children to make notes of the multiples of the number that they are dividing by (in this case 24). They will move on to solving calculations involving remainders and writing the remainder as a fraction. In this case it could be simplified to  $\frac{1}{3}$  which the children would recognise as .33.