

Year 5 Autumn 2: Division

This half term we have learnt a new, efficient method to help solve division calculations called short division.

This works well for dividing by numbers less than 10.

It is sometimes also called the bus stop method.

Write the calculation out then divide into each digit in turn, starting with the first digit and write each result above it:

$$\begin{array}{r} \text{T U} \\ 84 \div 4 = \quad 21 \\ \hline 4 \overline{) 84} \\ \underline{8} \\ 0 \\ \underline{0} \\ 0 \end{array}$$

$8 \div 4 = 2$

$4 \div 4 = 1$

Then read off the numbers to get 21

If you can't divide a digit exactly, write the remainder in front of the next digit and divide this into the new number you've made.

If you have a remainder at the end of your calculation, include this in your answer.

$$\begin{array}{r} \text{T U} \\ 98 \div 4 = \quad 24 \text{ r } 2 \\ \hline 4 \overline{) 98} \\ \underline{8} \\ 1 \\ \underline{8} \\ 3 \\ \underline{3} \\ 0 \end{array}$$

$9 \div 4 = 2 \text{ r } 1$ (1 goes in front of 8)

$18 \div 4 = 4 \text{ remainder } 2$