

MULTIPLICATION & DIVISION (X ÷)

- By now children should know by heart all their x tables facts and be able to use the inverse to calculate the related division facts.
- They should be able to divide to find simple fractions too.

Children will be taught to use the **Grid method** by partitioning numbers

e.g. $15 \times 7 =$

x	10	5	
7	70	35	$70 + 35 = 105$

And move onto more complex examples:

e.g. $12 \times 26 =$

x	10	2	
20	200	40	$200 + 40 = 240$
6	60	12	$60 + 12 = 72 +$
			312

- To divide children will begin by using their times tables with remainders then move onto the **Goalpost Method**.

HTU ÷ U

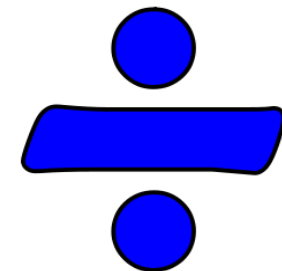
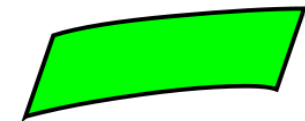
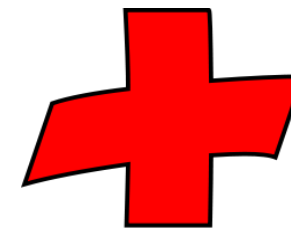
$$4 \overline{) 436} \begin{array}{r} 109 \\ \underline{436} \\ 0 \end{array}$$

HTU ÷ U with remainders

$$4 \overline{) 538} \begin{array}{r} 134 \\ \underline{538} \\ r2 \end{array}$$



Maths Booklet Year 5



We are really happy when you help your children at home with their Maths. To make it easier for them we would like you to use the same methods that we use in class. These are shown below.

ADDITION (+)

- By now children should know by heart simple addition facts such as $6 + 7 = 13$ and know all number pairs that total 10 and 20 such as $13 + 7 = 20$
- They should be able to double and halve numbers upto 100 in their heads.
- When using column + children will start like this:

$$\begin{array}{r} 248 \\ 620 + \\ \hline 8 \\ 60 \\ 800 \\ \hline 868 \end{array}$$

- When they can do this they will move onto the carrying method. (putting the carried ten on the doorstep):

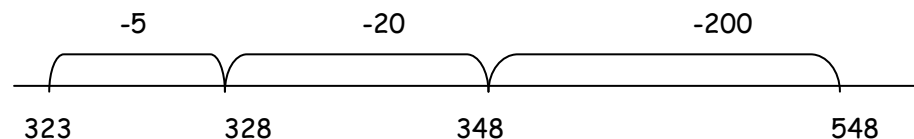
$$\begin{array}{r} 58 \\ \overset{1}{+} 35 + \\ \hline 93 \end{array}$$

$$\begin{array}{r} 367 \\ + 159 \\ \hline 526 \end{array}$$

SUBTRACTION (-)

Children may begin year 5 using a number line to subtract:

E.g. $548 - 225 =$



Then they will move onto column subtraction, subtracting the Hundreds, tens and units separately before adding them back together:

$$527 - 315$$

$$\begin{array}{r} 500 \\ - 300 \\ \hline 200 \end{array} \quad \begin{array}{r} 20 \\ - 10 \\ \hline 10 \end{array} \quad \begin{array}{r} 7 \\ - 5 \\ \hline 2 \end{array} = 212$$

Following on from this they will use column subtraction leading on to '**borrowing**'.

$$\begin{array}{r} 6\cancel{3}1 \\ - 224 \\ \hline 407 \end{array}$$