

**DIVISION:** division can be seen as sharing /grouping a number or how many times the same number can be subtracted from another. It is the opposite to multiplication and having a good recall of table facts is a real benefit when doing division.

$$341 \div 3$$

**Chunking**– subtracting groups of a number.

$$\begin{array}{r}
 - 341 \\
 \underline{300} \\
 - \cancel{3}1 \\
 \underline{36} \\
 - 5 \\
 \underline{3} \\
 2
 \end{array}$$

$(100 \times 3)$   
 $(12 \times 3)$   
 $(1 \times 3)$

Subtract groups of a number using multiplication facts

$$100 + 12 + 1 = 113 \text{ r}2$$

Find the total of all the groups you have subtracted.  
Any left over are the remainders.

**Short division (the bus stop)**

Help box

- 3
- 6
- 9
- 12
- 15
- 18
- 21
- 24
- 27
- 30

$$\begin{array}{r}
 3 \overline{) 341} \\
 \underline{3} \phantom{0} \\
 0 \phantom{0}
 \end{array}$$

1

$$\begin{array}{r}
 3 \overline{) 341} \\
 \underline{3} \phantom{0} \\
 0 \phantom{0}
 \end{array}$$

How many times does 3 go into 3?  
 $1 \times 3 = 3$  so...1

$$\begin{array}{r}
 1 \phantom{1} \\
 3 \overline{) 341} \\
 \underline{3} \phantom{0} \\
 0 \phantom{0}
 \end{array}$$

How many times does 3 go into 4?  
 $1 \times 3 = 3$  so 1 with 1 left.

$$\begin{array}{r}
 1 \phantom{1} \phantom{1} \\
 3 \overline{) 341} \\
 \underline{3} \phantom{0} \\
 0 \phantom{0}
 \end{array}$$

How many times does 3 go into 11?  
 $3 \times 3 = 9$  so 3 with 2 left

$$\begin{array}{r}
 1 \phantom{1} \phantom{1} \phantom{1} \\
 3 \overline{) 341} \\
 \underline{3} \phantom{0} \\
 0 \phantom{0}
 \end{array}$$

**NB** this is broken down in steps