This is how mathematics looks in Year 3

Wilberforce Primary
The best in everyone™
Part of United Learning

Facts We Must Know

We should know

- Number bonds to 100 using multiples of 5 and 10
  e.g 35 and 65
  e.g. 40 and 60

- Count up/down in 4s, 8s, 50s and 100s

- Bonds to 1000 using 100s

e.g. 300 + 700 = 1000

400 + 600 = 100

- Multiplication tables and division related facts for 3s, 4s and 8s
  e.g. 6 x 4 = 24 and 24 ÷ 4 = 6

Words We Must Know:

carry
exchange
compact
expanded
boundary
column
grid method
product
short division
remainder

Multiplication and Division

We Are Learning To:

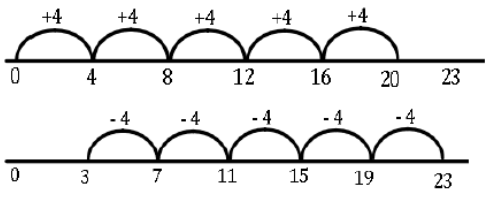
Multiply by using the Grid Method (23 x 4)

x	20	3
4	80	12

80 + 12 = 92

Divide using a number line:

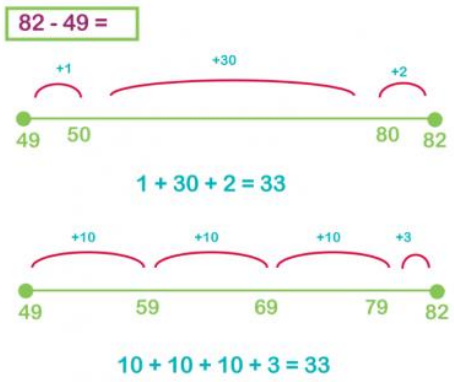
23 ÷ 4 = 5 r3



Addition and Subtraction

We Are Learning To (WALT):

1) Adding/Subtracting using a number line:



2) Adding two-digit numbers like this:

$$\begin{array}{r} 20 + 8 \\ +\ 30 + 7 \\ \hline 50 + 15 \end{array} = 65$$

2) Then, adding/subtracting two-digit numbers like this by 'exchanging' Tens and Ones:

28 + 37:

$$\begin{array}{r} 20 + 8 \\ +\ 30 + 7 \\ \hline 60 + 5 \\ 10 \end{array} = 65$$

93 - 54:

$$\begin{array}{r} 80 \\ 90 + 13 \\ -\ 50 + 4 \\ \hline 30 + 9 \end{array} = 39$$

3) Then, adding/subtracting three-digit numbers by 'exchanging' 10 Tens for 1 Hundred:

352 + 165 = 517

$$\begin{array}{r} 300 + 50 + 2 \\ +\ 100 + 60 + 5 \\ \hline 500 + 10 + 7 \\ 100 \end{array} = 517$$

235 - 83 = 152

$$\begin{array}{r} 100 \\ 200 + 130 + 5 \\ -\ 80 + 3 \\ \hline 100 + 50 + 2 \end{array} = 152$$