

This is how mathematics looks in Year 4...

Facts We Must Know

We should know

- Number bonds to 100 with any number
e.g. 84 and 16 makes 100
 $27 + 73 = 100$

- Bonds to 1000 using 100s and 50s

e.g. $300 + 700 = 1000$

$$450 + 550 = 1000$$

All times tables up to 12 x12

Words We Must Know:

Addition/
Subtraction:

Multiplication/
Division:

Increase

Factor

Decrease

Factor pair

Tenths

Divisor

Hundredths

Quotient

Multiplication and Division

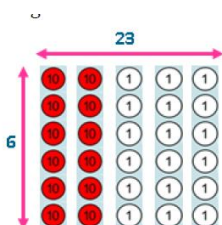
We Are Learning To:

Multiply by using the Grid Method (126×3)

x	100	20	6
3	300	60	18

$$300 + 60 + 18$$

Divide using arrays before short method:



$$\begin{array}{r} 023 \\ 6 \overline{)138} \end{array}$$

Addition and Subtraction

We Are Learning To (WALT):

- 1) Adding/subtracting three digit numbers using number lines:



You then add up all the jumps you have made on the top:

$$8 + 100 + 17 = 125$$

The difference between 392 and 517 is 125.

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

$$564 + 382 = 946$$

$$942 - 214 = 728$$

$$500 + 60 + 4$$

$$300 + 80 + 2$$

$$900 + 40 + 6$$

$$100$$

$$900 + \overset{30}{40} + \overset{12}{2}$$

$$200 + 10 + 4$$

$$700 + 20 + 8$$

- 3) Adding/subtracting four-digit numbers:

$$2942 - 1214 = 1728$$

$$2000 + 900 + \overset{30}{40} + \overset{12}{2}$$

$$1000 + 200 + 10 + 4$$

$$1000 + 700 + 20 + 8$$

- 3) Adding/subtracting decimals:

$$2 + 0.3$$

$$+ 1 + 0.5$$

$$\underline{\quad} 3 + 0.8 = 3.8$$

$$2 \quad 1.4$$

$$\begin{array}{r} \cancel{3} + \cancel{0.4} \\ - 1 + 0.7 \\ \hline 1 + 0.7 = 1.7 \end{array}$$

$$\underline{\quad} 1 + 0.7 = 1.7$$

