Compact vertical

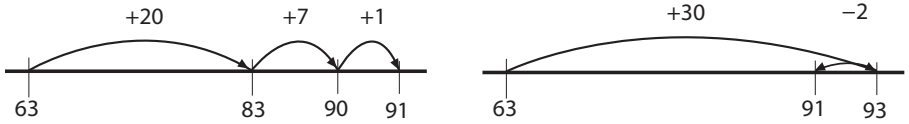
2374 + 248

$$\begin{array}{r} 2\,3\,7\,4 \\ +\ \ 2\,4\,8 \\ \hline 2\,6\,2\,2 \\ \scriptstyle 1\ \ 1 \end{array}$$

23.7 + 48.56

$$\begin{array}{r} 2\,3\,.\,7\,0 \\ +\ 4\,8\,.\,5\,6 \\ \hline 7\,2\,.\,2\,6 \\ \scriptstyle 1\ \ 1 \end{array}$$

Using a number line: 63 + 28 = 91



Decomposition

2748 – 364

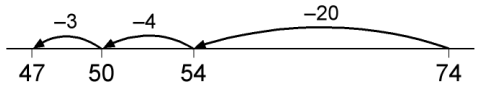
$$\begin{array}{r} 2\,\overset{6}{\cancel{7}}\,\overset{1}{4}\,8 \\ -\ \ 3\,6\,4 \\ \hline 2\,3\,8\,4 \end{array}$$

72.5 – 45.73

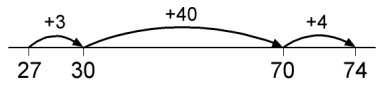
$$\begin{array}{r} \overset{6}{7}\,\overset{1}{\cancel{2}}\,.\,\overset{1}{\cancel{5}}\,\overset{4}{0} \\ -\ 4\,5\,.\,7\,3 \\ \hline 2\,6\,.\,7\,7 \end{array}$$

Using a number line: 74 - 27 = 47

‘Taking away’



‘Counting on’



LOOK AT THE NUMBERS – can you solve it in your head, with jottings or using written method?

Long multiplication

572 x 38

$$\begin{array}{r} 572 \\ \times\ 38 \\ \hline 17160 \\ +\ \ 4576 \\ \hline 21736 \end{array}$$

Using known multiplication facts:

68 x 7 = (60 x 7) + (8 x 7) = 476

Division (Short & Long)

564 ÷ 13

$$13\overline{)\,5\,6\,4^{4}} \quad 4\ 3\ \text{r}\ 5$$

Known multiplication facts:
13, 26, 39, 52, 65, …
10 x 13 = 130, 20 x 13 = 260

564 ÷ 13

= 43 r 5 = $43\frac{5}{13}$ = 43.4 (to 1dp)

$$13\overline{)\,5\,6\,4.0\,0\ldots} \quad 4\ 3\,.\,3\ 8\ldots$$

$$\begin{array}{r} 5\ 2 \\ \hline 4\ 4 \\ -\ 3\ 9 \\ \hline 5\ 0 \\ -\ 3\ 9 \\ \hline 1\ 1\ 0 \\ -\ 1\ 0\ 4 \\ \hline 7 \end{array}$$

Using a number line:

72 ÷ 5 = 14 r 2