

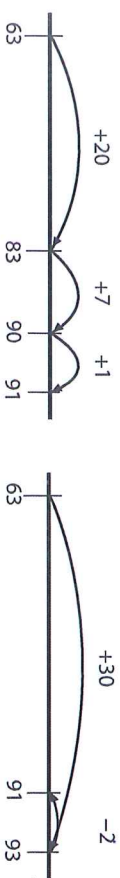


Compact vertical

$$23454 + 596 \qquad 23.7 + 48.56$$

$$\begin{array}{r} 23454 \\ + \quad 596 \\ \hline 24050 \end{array} \qquad \begin{array}{r} 23.70 \\ + 48.56 \\ \hline 72.26 \end{array}$$

Using a number line: $63 + 28 = 91$

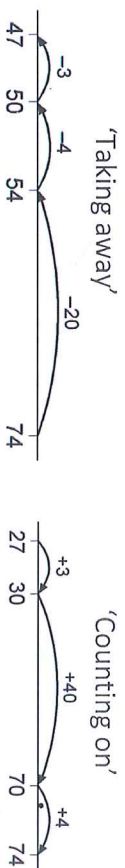


Decomposition

$$2748 - 364 \qquad 72.5 - 45.73$$

$$\begin{array}{r} 2748 \\ - 364 \\ \hline 2384 \end{array} \qquad \begin{array}{r} 72.50 \\ - 45.73 \\ \hline 26.77 \end{array}$$

Using a number line: $74 - 27 = 47$



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



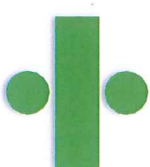
Long multiplication

$$5172 \times 38$$

$$\begin{array}{r} 5172 \\ \times 38 \\ \hline 155160 \\ + 41376 \\ \hline 196536 \end{array}$$

Using known multiplication facts:

$$43 \times 6 = (40 \times 6) + (3 \times 6) = 258$$



Division (Short & Long)

$$564 \div 13$$

$$\begin{array}{r} 43 \text{ r } 5 \\ 13 \overline{) 564} \\ \underline{52} \\ 44 \\ \underline{39} \\ 5 \end{array} \qquad \begin{array}{r} 43.38 \dots \\ 13 \overline{) 564.00} \\ \underline{52} \\ 44 \\ \underline{39} \\ 50 \\ \underline{39} \\ 110 \\ \underline{110} \\ 0 \end{array}$$

Known multiplication facts:
13, 26, 39, 52, 65, ...
 $10 \times 13 = 130$, $20 \times 13 = 260$

$$564 \div 13$$

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

Using a number line:

$$72 \div 5 = 14 \text{ r } 2$$

