



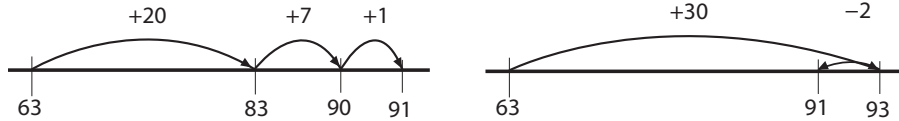
Compact vertical

$23454 + 596 \quad 23.7 + 48.56$

$$\begin{array}{r} 23454 \\ + \quad 596 \\ \hline 24050 \end{array}$$

$$\begin{array}{r} 23.70 \\ + 48.56 \\ \hline 72.26 \end{array}$$

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



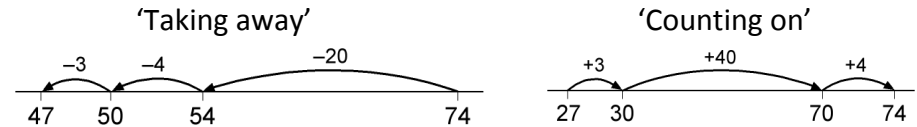
Decomposition

$2748 - 364 \quad 72.5 - 45.73$

$$\begin{array}{r} \overset{6}{2} \overset{1}{7} 48 \\ - \quad 364 \\ \hline 2384 \end{array}$$

$$\begin{array}{r} \overset{6}{7} \overset{1}{2} \overset{1}{.} \overset{4}{5} \overset{1}{0} \\ - \quad 45.73 \\ \hline 26.77 \end{array}$$

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

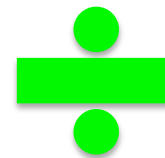
5172×38

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

1

Using known multiplication facts:

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



Division (Short & Long)

$564 \div 13$

$$13 \overline{) 564} \begin{array}{l} 43 \text{ r } 5 \end{array}$$

$$13 \overline{) 564.000 \dots} \begin{array}{l} 43.38 \dots \end{array}$$

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

$$564 \div 13 = 43 \text{ r } 5 = 43 \frac{5}{13} = 43.4 \text{ (to 1dp)}$$

$$\begin{array}{r} 43.38 \dots \\ \underline{52} \\ 44 \\ \underline{39} \\ 50 \\ \underline{39} \\ 110 \\ \underline{104} \\ 6 \end{array}$$

Using a number line:

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

