

# Addition

## 1. Vertical partitioning

$$\begin{array}{r} 85 + 37 = ? \\ 85 + 30 = 115 \\ 115 + 7 = 122 \end{array}$$

The vertical method by adds the tens and then the ones.

## 2. Expanded column method

H	T	O

$$\begin{array}{r} 400 + 30 + 6 \\ 100 + 50 + 2 \\ \hline 500 + 80 + 8 \end{array}$$

The column method through partitioning. This should be introduced alongside the concrete or pictorial representation.

## 3. Formal written method (with regrouping and moving up beyond 4 digits)

$$\begin{array}{r} 6473 \\ + 2461 \\ \hline 8934 \\ \small 1 \end{array}$$

The formal written method is extended to include regrouping. The regrouping should be recorded *below* the equals sign.

## 4. Formal written method involving decimals

$$£64.50 - £19.63 =$$

$$\begin{array}{r} £64.50 \\ + £19.63 \\ \hline £84.13 \\ \small 1 \quad 1 \end{array}$$

The formal written method is extended to include decimals. Again, the regrouping should be recorded below the equals sign.