

Addition (column methods)

① Introduce step one in Year 3 (no exchange first!)

Expanded column method

$$\begin{array}{r} + 40 + 3 \\ + 20 + 2 \\ \hline 60 + 5 \end{array}$$

$$43 + 22 = 65$$

② Informal column method.

$$\begin{array}{r} + 43 \\ + 22 \\ \hline 5 \\ 60 \\ \hline 65 \end{array}$$

$$\begin{array}{r} + 47 \\ + 25 \\ \hline 12 \\ 60 \\ \hline 72 \end{array}$$

Remember to use concrete apparatus alongside each step.

move on to larger numbers according to the National Curriculum for each Year group.

③ Introduce formal column method (no exchange first)

$$\begin{array}{r} + 43 \\ + 22 \\ \hline 65 \end{array}$$

leave a line
↙

$$\begin{array}{r} + 47 \\ + 25 \\ \hline 12 \\ 60 \\ \hline 72 \end{array}$$

leave a line.
↙