## Year 4 Writuen Methods of Calculatiom

## ADDITION

## SUBTRACTION

## MULTIPLICATION

## DIVISION

Written method used in addition
calculations in Year 4 are outlined below.

Expanded Partitioning Method

$$
\begin{aligned}
& 879+45=924 \\
& 800+70+9 \\
& 40+5 \\
& \hline 800+110+14 \\
& \hline
\end{aligned}
$$

Vertical expanded Method of Addition

$$
\begin{array}{r}
587 \\
+\quad 675 \\
\hline 12 \\
150 \\
1100 \\
\hline 1262 \\
\hline
\end{array}
$$

Standard Method of Column Addition


Written method used in subtraction calculations in Year 4 are outlined below.

Complimentary Addition Using empty numberlines
$84-56=$

$84-56=28$
Expanded Partitioning Method $643-98=545$

$$
\begin{array}{r}
500130 \\
600+40+13 \\
90+8 \\
\hline 500+40+5 \\
\hline
\end{array}
$$

Standard Method of Subtraction (decomposition)


For numbers which need to be subtracted but are close together children would be encouraged to count on in their heads, maybe with jottings.

Written method used in multiplication calculations in Year 4 are outlined below.

| Expanded method |  |
| :--- | :--- |
| 32 |  |
| $\times \quad 3$ |  |
| 6 $(2 \times 3)$ <br> 90 $(30 \times 3)$ |  |

Formal method 32
$\qquad$

Written method used in division calculations in Year 4 are outlined below.

Remind children about using their times tables and about dividing by 10 .

## Written Division

$78 \div 5$
$5 \longdiv { 1 5 }$
Remainder: 3

