



Section 2 - Mental Calculation Methods

These methods are taught to help children perform calculations in their heads. These are taught progressively throughout Year 3 and Year 4.

ADDITION- Mental Strategies

$42 + 35 = 77$ Add tens first ($40 + 30$, then units $2 + 5$)

$45 + 46 = 91$ Near doubles ($45 + 45 + 1$)

$6 + 78 = 84$ Count forward $78 + 6$
(add 2 to make 80 then 4 more)

$37 + 199 = 236$ Nearly number $37 + 200 - 1$

$46 + 19 + 24 = 89$ Look for unit digits that make 10 first

SUBTRACTION - Mental Strategies

$67 - 35 = 32$ Subtract tens then units ($67 - 30 - 5$)

$60 - 19 = 41$ Nearly number ($60 - 20 + 1$)

$78 - 31 = 47$ Nearly Number ($78 - 30 - 1$)



Calculation Methods



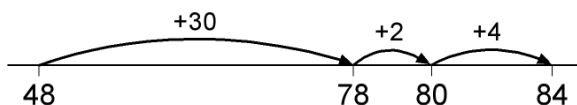
This booklet shows the methods we use when teaching calculation in years 3 and 4. When children are completing homework please refer to these methods to help your child at home. The booklet contains the ways in which we set out calculations on paper and a second section on the methods taught to calculate in our heads mentally.

Section 1 - Written Calculations on Paper

ADDITION

1. Recording using a number line - pupils jump in multiples of 10 then add the units

$$48 + 36 = 84$$



2. Pupils also add tens then units to arrive at their answer.

$$47 + 76 = 40 + 70 + 7 + 6 = 110 + 13 = 123$$

3. **Pupils add in columns.** It is important that each number is written in the correct column. The ones (units) are added first.

$$\begin{array}{r} 47 \\ + 76 \\ \hline 13 \\ \hline 110 \\ \hline 123 \end{array}$$