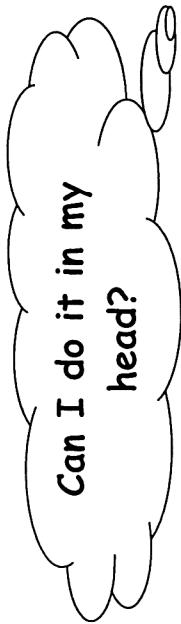


The first question your child should ask themselves, when adding or subtracting is:



When adding:

Your child will have been taught the following mental skills:

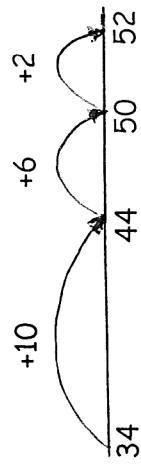
- Pairs of numbers that total 10 (number bonds to 10).
e.g. $4 + 6 = 10$
 $3 + 7 = 10$

- To carry the largest number in their head and add on the smaller number.

- To partition numbers in their head so they can add to the next multiple of 10 e.g.
 $26 + 8 = (26 + 4) + 4$
 $= (30) + 4$
 $= 34$

Children are taught and encouraged to use mental jottings to record their thinking:

A number line e.g. $34 + 18$



To look for numbers totalling 10;

$$5+4+2+6+8 = (2+8) + (6+4) + 5$$

$$= 10 + 10 + 5$$

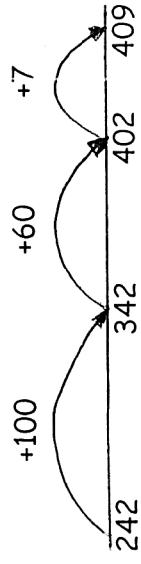
- To carry the largest number in their head and add on the smaller number.

$$\begin{array}{r} 34 + 9 = (34 + 10) - 1 \\ = 44 - 1 \\ = 43 \end{array}$$

Written Methods

These are built on the children's understanding of mental methods.

Number line e.g. $242 + 167$



Expanded methods:

$$\begin{array}{r} 242 \\ 167 + \\ \hline 409 \end{array}$$

Add to the nearest 10 and compensate;

$$\begin{array}{r} 34 + 9 = (34 + 10) - 1 \\ = 44 - 1 \\ = 43 \end{array}$$

Leading to;
Standard Written Method (only in Year 5 & 6)

$$\begin{array}{r} 242 \\ 167 + \\ \hline 409 \end{array}$$

These methods can be used for any number no matter how big or how small.