

Year 1	Addition Year 2	Year 3
<p>Addition Objectives</p> <p><b>PF-calculating</b> Relate addition to counting on; recognise that addition can be done in any order; use practical and informal written methods to support the addition of a one-digit number or a multiple of 10 to a one-digit or two-digit number</p> <p><i>Use the vocabulary related to addition and subtraction and symbols to describe and record addition and subtraction number sentences</i></p> <p><b>PF-knowing and using number facts</b> Derive and recall all pairs of numbers with a total of 10 and addition facts for totals to at least 5; work out the corresponding subtraction facts</p> <p>Recording practical activities may be in the form of pictures or marks to support counting from more than one group.</p>	<p>Addition Objectives</p> <p><b>PF-calculating</b> <i>Add or subtract mentally a one-digit number or a multiple of 10 to or from any two-digit number; use practical and informal written methods to add and subtract two-digit numbers</i></p> <p>Understand that subtraction is the inverse of addition and vice versa; use this to derive and record related addition and subtraction number sentences</p> <p><i>Use the symbols +, -, *, ÷ and = to record and interpret number sentences involving all four operations; calculate the value of an unknown in a number sentence (e.g. <math>\square \div 2 = 6</math>, <math>30 - \square = 24</math>)</i></p> <p><b>PF-knowing and using number facts</b> Derive and recall all addition and subtraction facts for each number to at least 10, all pairs with totals to 20 and all pairs of multiples of 10 with totals up to 100</p>	<p>Addition Objectives</p> <p><b>PF-calculating</b> Develop and use written methods to record, support or explain addition and subtraction of two-digit and three-digit numbers</p> <p><i>Add or subtract mentally combinations of one-digit and two-digit numbers</i></p> <p><b>PF-knowing and using number facts</b> Derive and recall all addition and subtraction facts for each number to 20, sums and differences of multiples of 10 and number pairs that total 100</p>

**Year 1**

**Addition  
Year 2**

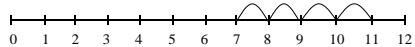
**Year 3**

Method

Children should use number tracks and numbered number lines.



$7 + 4$



Numbers used

U+U

TU+U

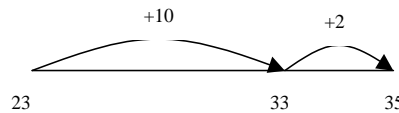
U+ multiple of 10

TU+ multiple of 10

Method

Children should use number lines.

$23 + 12$



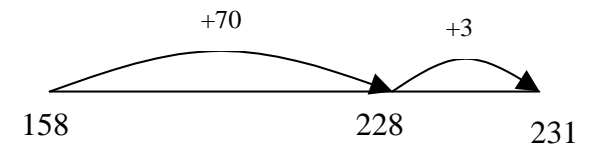
Numbers used

TU+TU

Methods

Children should begin with number lines – moving on to vertical expansion.

$158 + 73$



**Vertical expansion**

$183 + 142$

$$\begin{array}{r} 183 \\ + \quad 42 \\ \hline 5 \\ 120 \\ \hline 200 \\ 325 \end{array}$$

Numbers used

HTU+TU

HTU+HTU