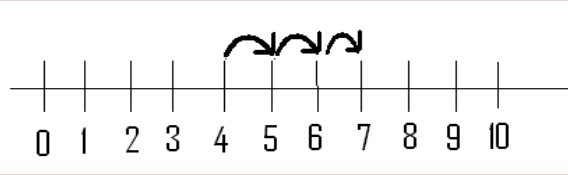
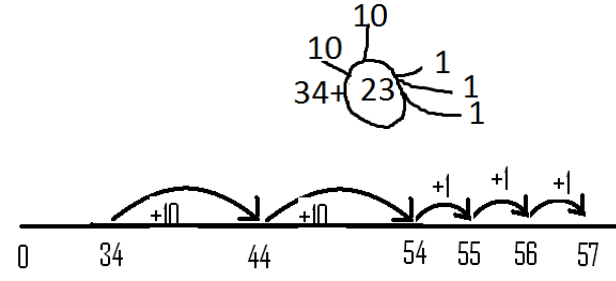
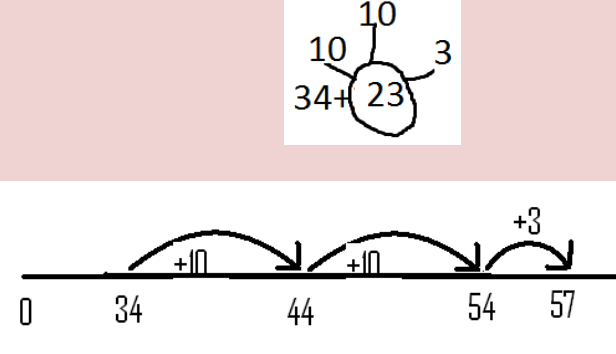
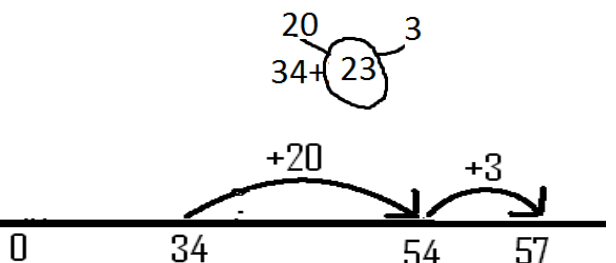
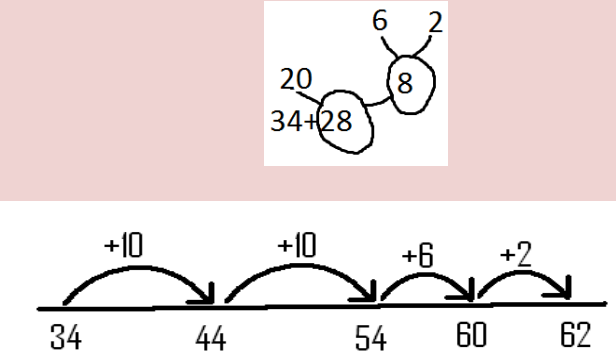


Wilbraham Primary School

Progression in addition

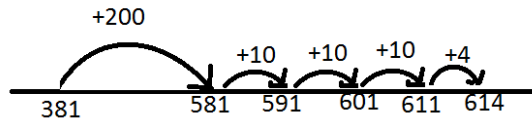
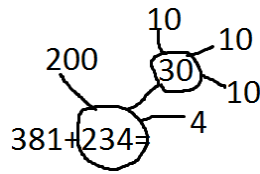
Reception to Year 6

h.wright
11/15/2011

Stage	What the children will write	What the children are doing
Stage 1 The structured number line	$4+3=7$ 	<p>The children begin by having all of the marks numbered.</p> <p>They start counting at the largest number and count the 'jumps'.</p>
Stage 2 Counting in tens and ones	$34+23=57$ 	<p>The children then use an empty number line.</p> <p>They keep the largest number whole and split the smaller number into tens and ones.</p> <p>They count on in tens and then ones.</p>
Stage 3 Counting in tens, jumping the ones.	$34+23=57$ 	<p>The children keep the largest number whole.</p> <p>They partition the smaller number into tens and ones.</p> <p>They count on in tens and jump the ones in a single jump.</p>
Stage 4 Jump the tens and jump the ones.	$34+23=57$ 	<p>The children keep the largest number whole.</p> <p>They partition the smaller number into tens and ones.</p> <p>They jump the tens in a single jump and the ones in another jump.</p>
Stage 4 Count to the next ten.	$34+28=62$ 	<p>The children keep the largest number whole.</p> <p>They partition the smaller number into tens and ones.</p> <p>They count on in tens.</p> <p>They partition the units to make a multiple of ten.</p> <p>They add on the rest of the units.</p>

Stage 5
Working with 3 digit numbers

$$381+234=615$$



The children keep the largest number whole. They partition the smaller number into hundreds, tens and ones.
They jump the hundreds, then the tens and finally the ones.
If the number crosses over a ten or a hundred, they count on each ten.

Stage 6
Introducing a formal method

$$\begin{array}{r} 67 \\ +24 \\ \hline 91 \end{array} \quad \begin{array}{r} 60+7 \\ 20+4 \\ \hline 80+11 \end{array}$$

The children partition both numbers and write down how they have been partitioned.
They then add up the tens and then the units.
Finally they add their answers.

Stage 7
Working in columns

$$\begin{array}{r} 67 \\ +24 \\ \hline 11 \quad (7+4) \\ 80 \quad (60+20) \\ \hline 91 \end{array}$$

The children record the units at the side and add these first. They then record the tens at the side and add these. The answers are written below in the tens and the units column. They add the total for the tens and the total for the units.

Stage 8
Carrying

$$\begin{array}{r} 578 \\ + 475 \\ \hline 1062 \\ 11 \end{array}$$

The children begin by add in the units. If the answer is larger than 9, they record the ten under the line. They then add the tens, again if the answer is larger than 90, they record the hundred below the line.