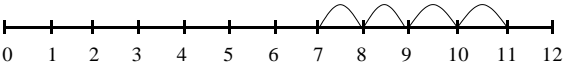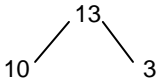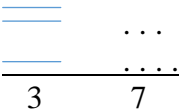| Addition		
Year 1	**Year 2**	**Year 3**

Year 1

Pictures / Marks
Jane has 5 fish, Bina has 2. How many fish do they have altogether?

Draw objects or represent with counters.

+ = signs and missing numbers

3 + 4 = ☐	☐ = 3 + 4
3 + ☐ = 7	7 = ☐ + 4
☐ + 4 = 7	7 = 3 + ☐
☐ + ▽ = 7	7 = ☐ + ▽

Promoting covering up of operations and numbers.

Number lines (numbered)
Progress from using number tracks to number lines.

7 + 4

0 1 2 3 4 5 6 7 8 9 10 11 12

Recording by - drawing jumps on prepared lines

- constructing own lines

(Teacher model number lines with missing numbers)
(Teachers model jottings appropriate for larger numbers)

Introduce partitioning of smaller numbers

13
10   3

Year 2

Pictures / Marks
Use equipment to model the column method and to get children to understand what they are doing. Children to move on to just using a pictorial representation without equipment when ready.

    ___   . . .
    ___   . . . .
    3   7

+ = signs and missing numbers
Continue using a range of equations as in Year 1 but with appropriate, larger numbers.
Extend to
14 + 5 = 10 + ☐
and adding three numbers
32 + ☐ + ☐ = 100   35 = 1 + ☐ + 5

Pencil and paper procedures

Use the partitioned column method
      20 + 3
 + 10 + 4
      30 + 7
Move on to the formal column method in the summer term
   23
+ 14
   37

Year 3

+ = signs and missing numbers
Continue using a range of equations as in Year 1 and 2 but with appropriate, larger numbers.

Partition into tens and ones and recombine
Partition both numbers and recombine.
94+63= 90+ 4+ 60+ 3
        = 90+ 60+ 4+ 3
        =150+ 7
        =157
(Can use a number line to demonstrate mental methods.)

Pencil and paper procedures

Formal Partitioning
83 + 42 = 125

         83
     + 42
          5
        120
        125