



Neroche Primary School Addition Progression Poster



These methods have been agreed to reflect the Mathematics Programmes of Study, September 2013

Language to be used:

Foundation

Add, more, plus, altogether, total, makes.

Key Stage One

All of Foundation and greater, addition, plus, more, equals

Key Stage Two

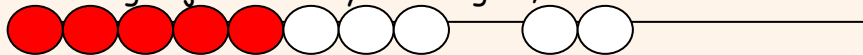
All of Foundation and KS1 and sum, and, positive, increase



The formal written methods we have chosen as a school are illustrated in the Maths Appendix One, September 2013 Curriculum

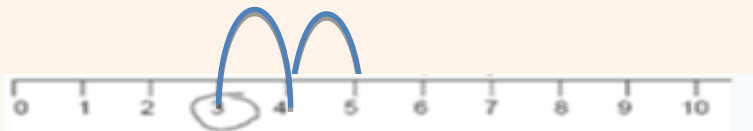
End of Foundation Stage Expectation

Children use and make own number lines and practical resources to support calculation and teachers demonstrate the use of the numberline, using appropriate mathematical vocabulary. Children are encouraged to use methods in the inside and outside environment. They develop ways of recording calculations using pictures and objects. They will add two single digit numbers using objects and by counting on, on a number line.



End of Year One Expectation

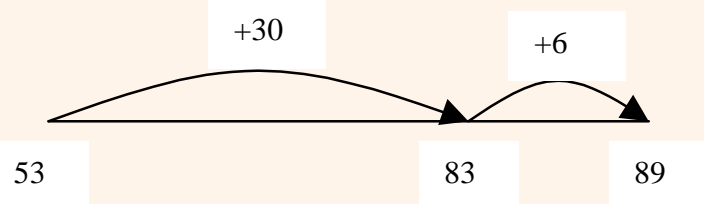
- Children to use the numberline.
- Count on, first in ones (units), then using number facts. Add one and two digit numbers to 20.
- Put the larger number first.



$$3 + 2 = 5$$

End of Year Two Expectation

- Addition of pairs of two digit numbers.
- Start with the tens, then add the ones/units.



End of Year Three Expectation

- Children to use expanded addition up to three-digit add three-digit.

$$\begin{array}{r} 360 + 157 \\ 300 \ 60 \ 0 \\ + 100 \ 50 \ 7 \\ \hline 400 \ 110 \ 7 \\ = 517 \end{array}$$

End of Year Four Expectation

- Use compact method to add pairs of 4 digit numbers.

$$\begin{array}{r} 3467 \\ + 2349 \\ \hline 5816 \\ \cancel{X} \ \cancel{X} \end{array}$$

Carry ones below the line then cross out when added.

End of Year Five Expectation

- Children to add whole numbers with more than four digits and to 2 decimal places, using formal written methods

$$\begin{array}{r} 124.90 \\ + 117.25 \\ \hline 242.15 \end{array} \quad \text{make estimate} \quad 125 + 120 = 250$$

End of Year Six Expectation

- To be able to add decimals up to 3 decimal places and of different lengths

$$\begin{array}{r} 26.480 \\ + 5.375 \\ \hline 31.855 \end{array} \quad \text{add in a zero to keep the place value}$$