



Addition Progression Poster

All Saints Church of England Primary School



Language to be used:

Foundation

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

Key Stage One

greater, addition, plus, more

Lower Key Stage Two

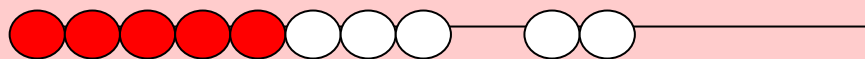
Sum, and

Upper Key Stage Two

Positive, increase

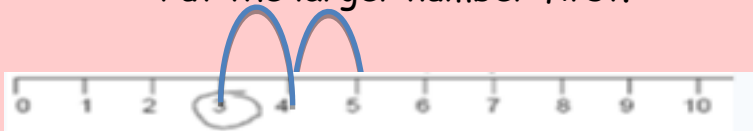
Foundation Stage

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.



Step One

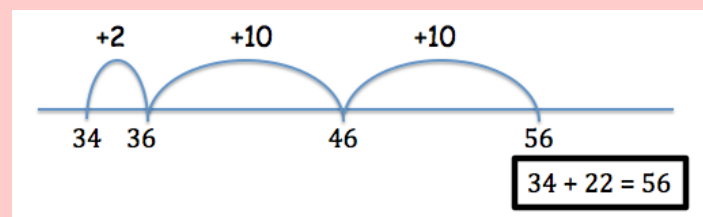
- Children to use the numberline.
- Count on, first in ones (units), then using number facts. Two digit and one digit numbers.
- Put the larger number first.



$$3 + 2 = 5$$

Step Two

- Children to use the number line.
- Addition of two-digit and two digit numbers.
- Start with the units, then add the tens.



Step Three

- Children to use the number line initially
- Children to use expanded addition up to three-digit add three-digit then move to compact method when ready.

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

Step Four

- Use compact method to add 4digit add 4digit.
- Model with expanded method if place value weak.

$$\begin{array}{r} 3467 + 2349 \\ 3000 \ 400 \ 60 \ 7 \\ + 2000 \ 300 \ 40 \ 9 \\ \hline 5000 \ 700 \ 100 \ 16 \\ = 5816 \end{array} \quad \begin{array}{r} 3467 \\ + 2349 \\ \hline 5816 \\ 1 \ 1 \end{array}$$

Step Five and Step Six

- Children to add whole numbers with more than 4 digits, including using formal written methods (columnar addition) and two decimal places (Step Five); and then to be able to add decimals to three decimal places (Step Six).

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

$$\begin{array}{r} 26.480 \\ + 5.375 \\ \hline 31.855 \\ 1 \ 1 \end{array} \quad \text{add in a zero to keep the place value}$$