Maths strategies for Key Stage 1

Place Value

By the end of year 1, we will be able to count forwards and backwards to 100.
Pupils will be able to use a place value chart or a part part whole to separate our numbers into tens and ones.

Tens	Ones

Pupils can do this numerically or using dienes as representations.

Example of using Part Whole model and Tens frames to make 11 and using it as a representation to help us start to write simple number sentences.
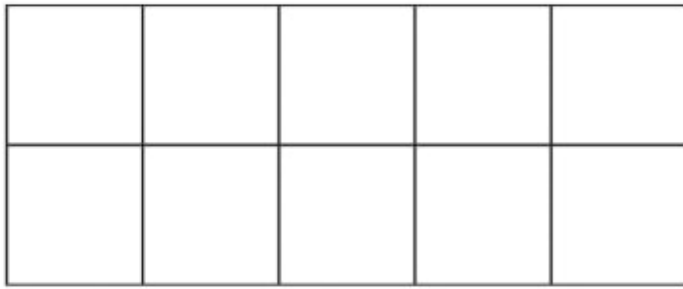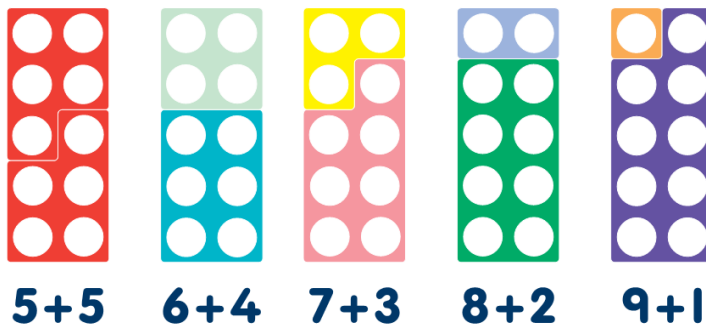
11 = 10 + 1 or
10 + 1 = 11

When comparing numbers pupils will be able to use the following symbols: < > =

Number Facts

We will be working on our number bonds to 10 using a tens frame
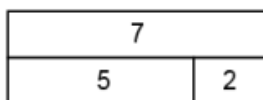

or numicon

5+5 6+4 7+3 8+2 9+1

We will then apply this knowledge to number bonds to 20.

We will be learning to count up in 2s, 5s and 10s using a hundred square, a number line or pictures as visual aids.

Addition and Subtraction

This year we will be working on adding and subtracting numbers to 40.
We will use bar models, tens frames, a number line and a part whole model to represent our equation.

$7 - 2 = 5$

Figure 31: bar model and subtraction equation ($7-2=5$)

$3 + 1 = 4$

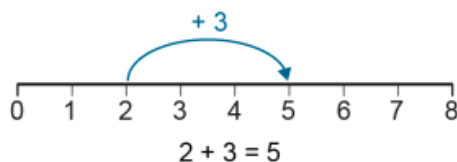Figure 33: tens frame with counters and addition equation ($3+1=4$)

$2 + 3 = 5$

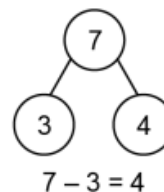Figure 32: number line and addition equation ($2+3=5$)

$7 - 3 = 4$

Figure 34: cherry partitioning model and subtraction equation ($7-3=4$)