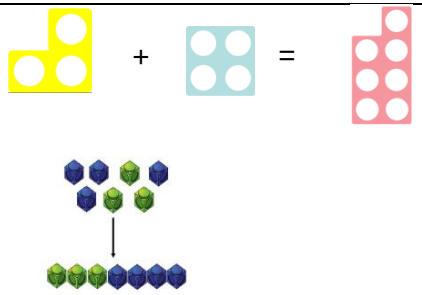
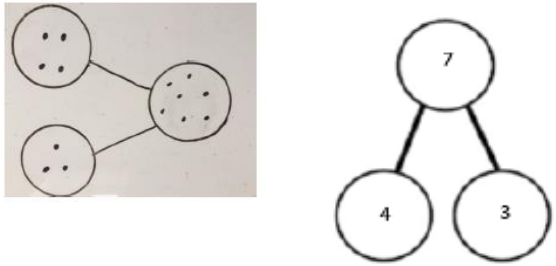
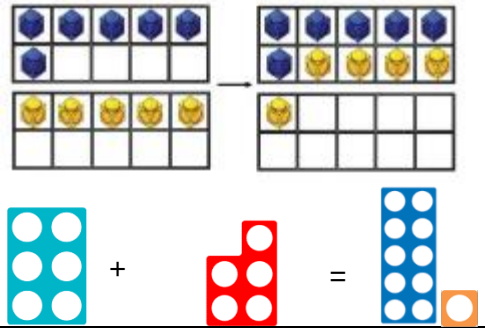
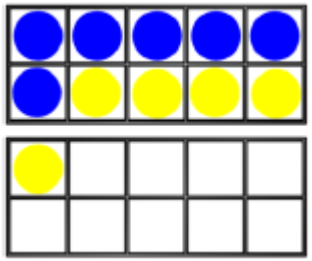
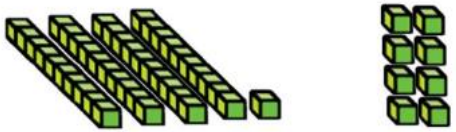
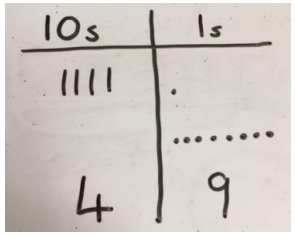
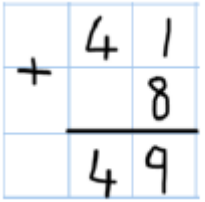
In EYFS we will use numicon and range of counters.

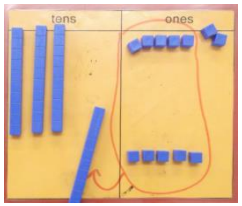
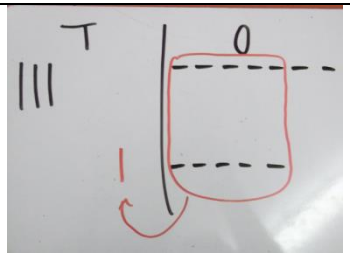
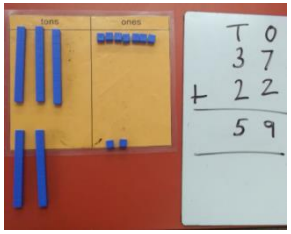
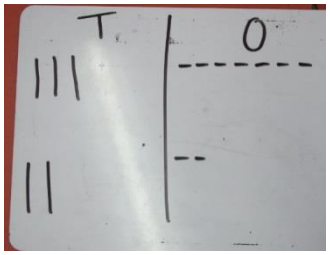
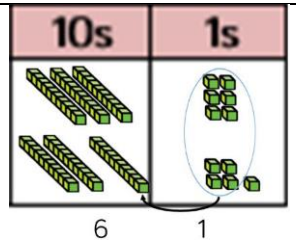
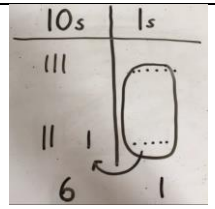
In Year 1 we will use tens frames, numicon, range of counters and base 10

In Year 2 we will use base 10 and place value counters

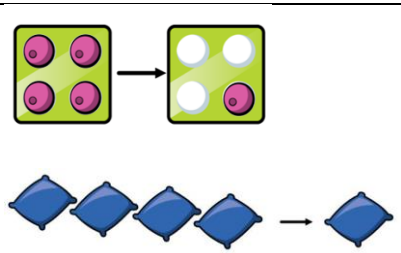
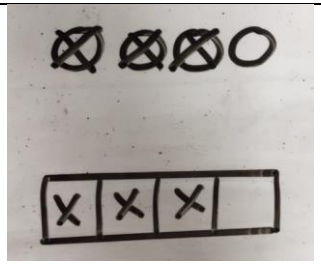
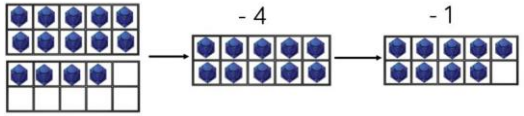
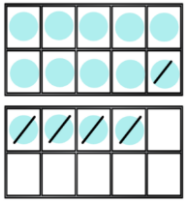
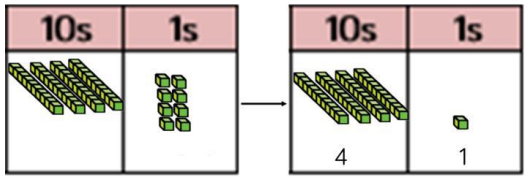
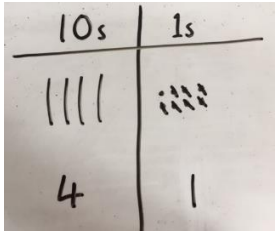
Progression in Calculations

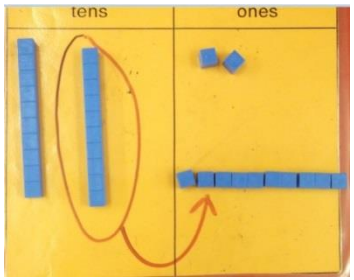
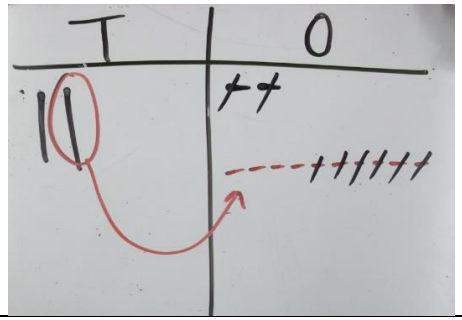
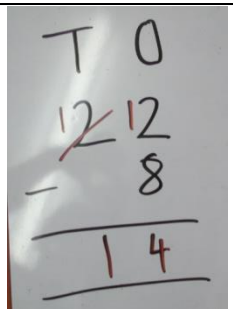
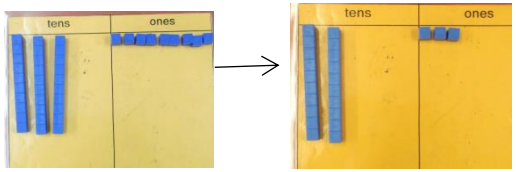
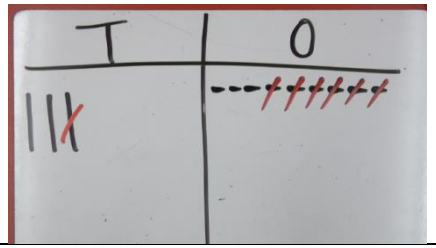
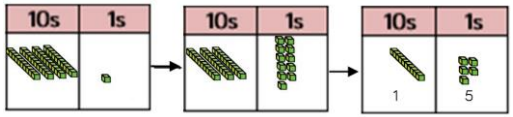
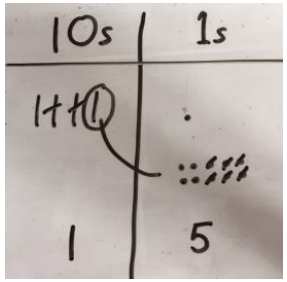
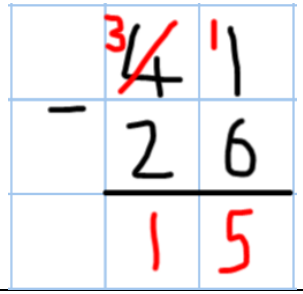
Addition

Objective and Strategies	Concrete	Pictorial	Abstract
EYFS &Y1:Pairs of single digit numbers			4 + 3 = 7 3 + 4 =7
Y1:Pairs of single digits numbers crossing boundary			6 + □ = 11 6 + 5 = 5 + □ 6 + 5 = □ + 4
Y1& 2:Two digit add 1 digit Year 1 within 20.			

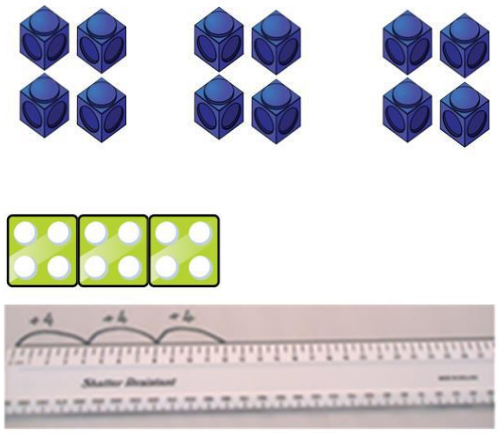
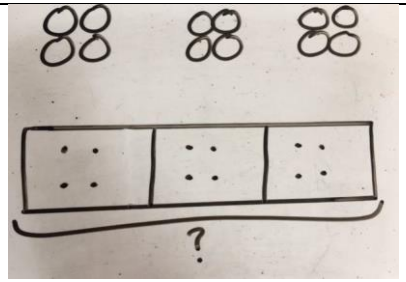
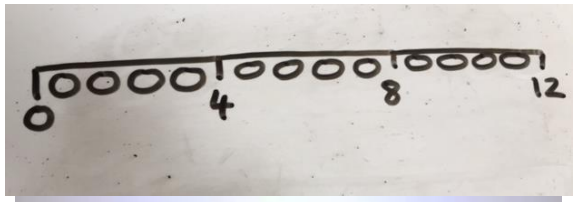
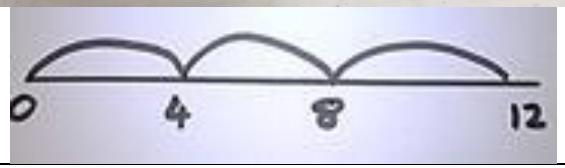
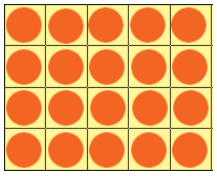
Y2:Two digit add 1 digit cross boundary			T O 3 7 + 5 4 2
Y2:Two digit add two digit no regrouping			T O 3 7 + 2 2 5 9
Y2:Two digit add two digit with regrouping			36 +25 61 1

Subtraction

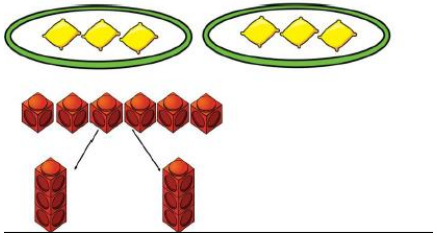
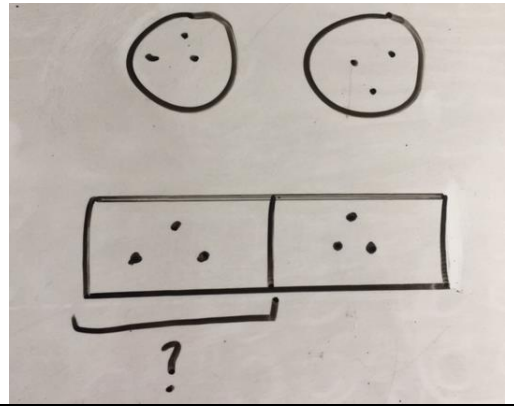
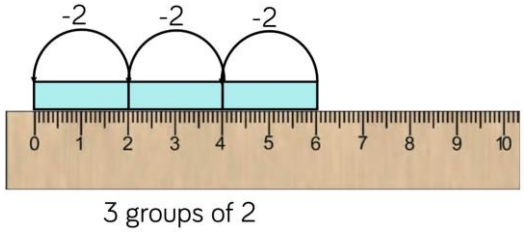
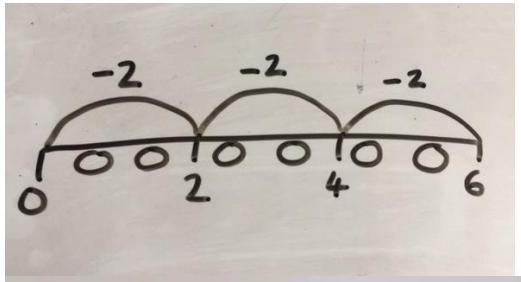
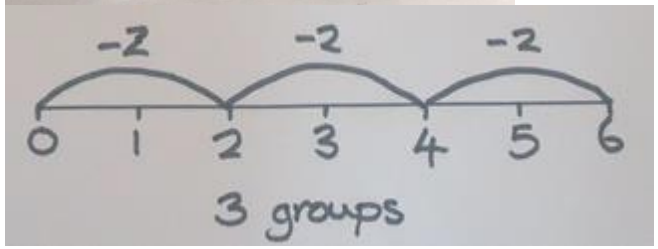
Objective and Strategies	Concrete	Pictorial	Abstract
EYFS & Y1: Taking away ones			4 – 3 = 1
Y1:Take away crossing boundary			14 – 5= 9
Y1: 2 digit subtract 1 digit			. T O 4 8 - 7 4 1

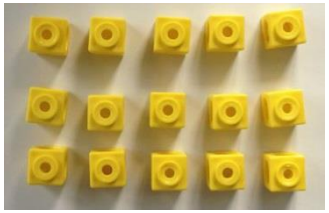
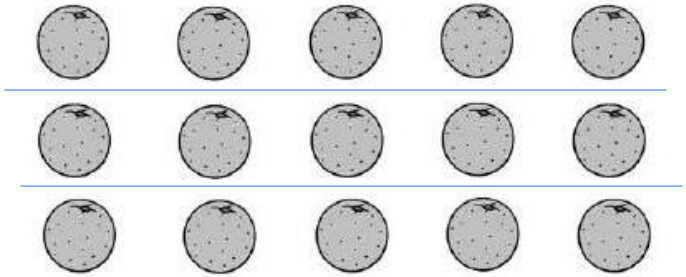
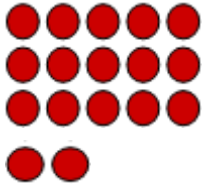
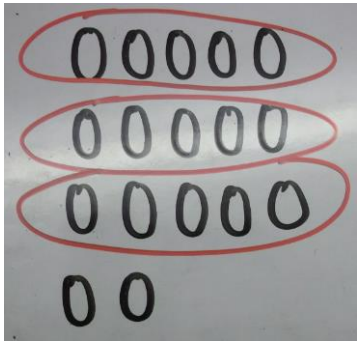
Y2:Two digit subtract 1 digit cross boundary			
Y2:Two digit subtract two digit no regrouping			T O 3 9 - 1 6 2 3
Y2:Two digit subtract two digit with regrouping			

Multiplication

Objective and Strategies	Concrete	Pictorial	Abstract
Repeated addition		  	3 × 4 = 12 4 + 4 + 4 = 12 3x4= 4+4+4
Y1/2Arrays- showing commutative multiplication			5+5+5+5=20 4+4+4+4+4 =20 5X4 =20 4x5 =20

Division

Objective and Strategies	Concrete	Pictorial	Abstract
Sharing objects into groups			6÷ 2 = 3
Y1 Division as grouping using repeated subtraction	 3 groups of 2	 	6÷ 2 = 3

Y1/2Division within arrays			15 ÷ 3 = 5 5 x 3 = 15 15 ÷ 5 = 3 3 x 5 = 15
Y2:Division with a remainder (GDS) By 2,5 and 10 only			17÷ 5 = 3 r 2