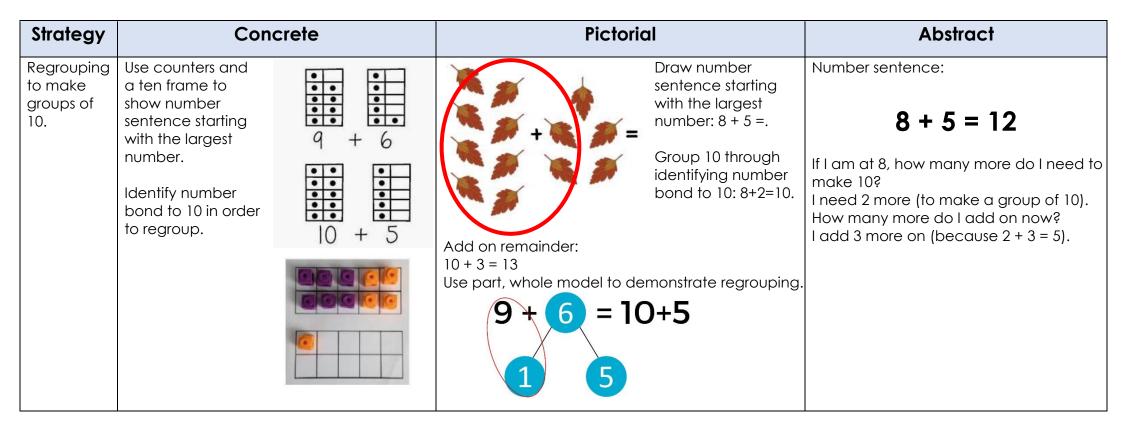
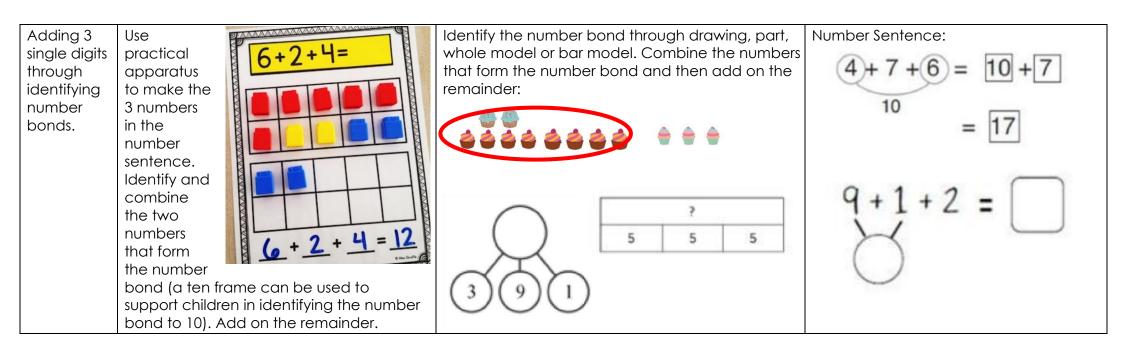
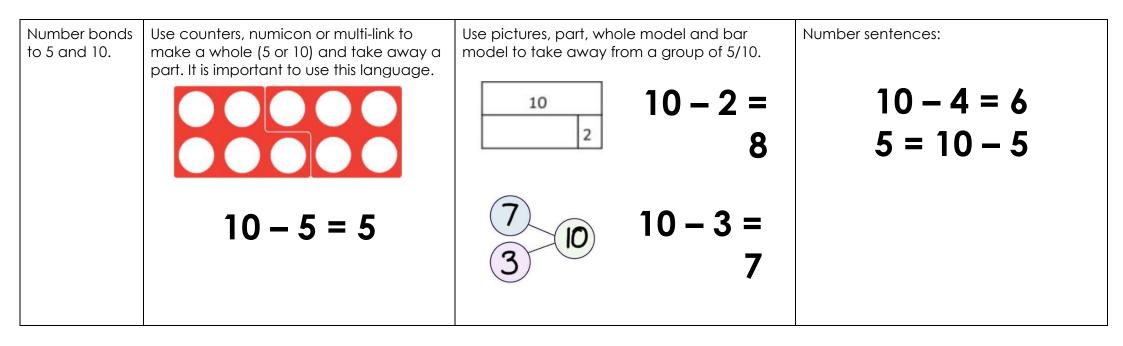
	Year 1: Addition	total more than are stor the	r, altogether, sum, and, <b>plus,</b> an
Strategy	Concrete	Pictorial	Abstract
Number bonds to 5 and 10.	Use counters (ten frame), numicon or multi-link to make/ combine two parts together to make a whole. It is 5+5 $6+4$ $7+3$ $8+2$ $9+1important touse this language.$	Use pictures to add two numbers together as a group of 5 or 10. 1 2 3 4 5 6 7 8 9 10 Use part, part whole models/bar model to show number bonds to 5/10. 10 2 3 0 5 10.	Number sentence to 5/10: 3 + 2 = 5 $5 = 4 + 1$ $10 = 8 + 2$ $7 + 3 = 10$ Equal symbol should be presented at the beginning and end of the number sentence to reinforce understanding of equals meaning same as/balance.

Counting on (starting	Use practical apparatus to make the largest number and then add on the	Use a number line, starting with the largest number and counting on.	Number sentence:
with the largest number).	remaining amount through counting on.		7 + 4 = 11
nomber).	=7	This can also be done using fingers/putting largest number in head and counting on.	Reorder the number sentence:
	= 7	From using a part, whole model, demonstrate that numbers can be added in any order (commutative) <u>however</u> it is more efficient to begin with the largest number.	3 + 15 = 15 + 3 = 18

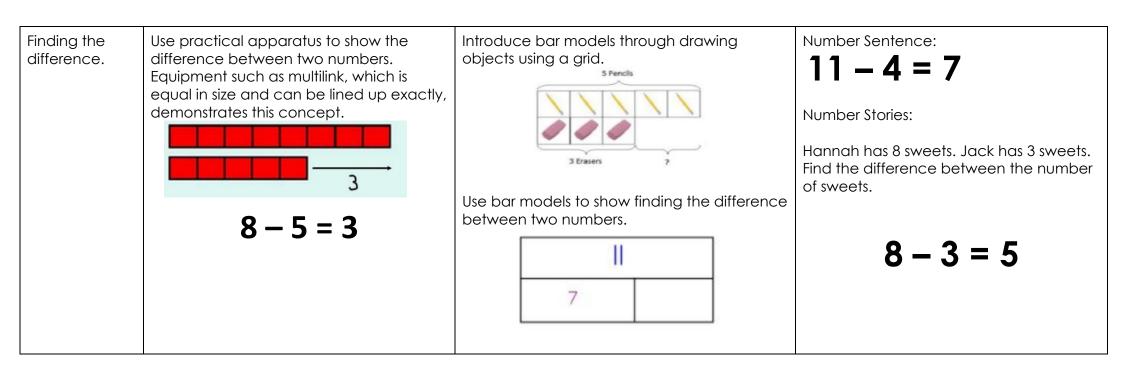




	Year 1: Subtrac	<b>Vocabulary:</b> minus, ta than, less, leave, left, left o <u>difference between, distan</u>	ver, fewer, <u>subtract, minus,</u>
Strategy	Concrete	Pictorial	Abstract
Subtracting ones.	Use physical objects to show subtraction of ones. PLAY DOUGH SMASH 8-2 = 6	Draw total amount of objects. Cross out number being subtracted	Number sentence: 13 - 1 = 12 7 = 9 - 2
	3 - 1 =	10 - 1 =	Equal symbol should be presented at the beginning and end of the number sentence to reinforce understanding of equals meaning same as/balance.

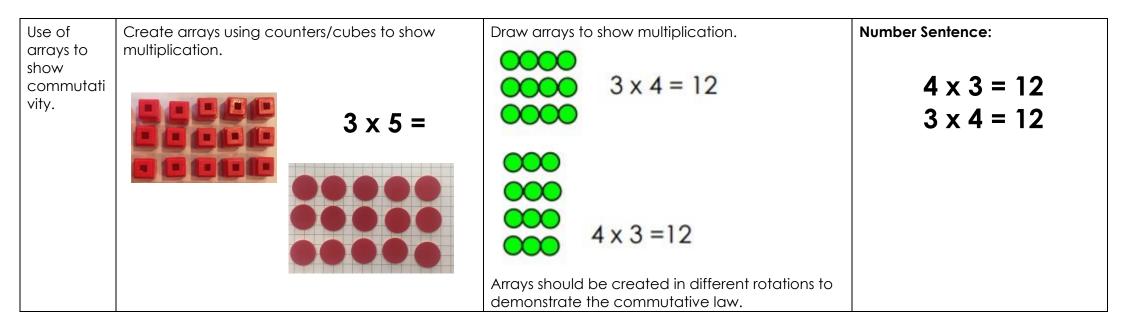


Counting backwards.	<text><text><text></text></text></text>	Use a number line or number track to count backwards, starting with the largest number and counting backwards in jumps of ones. 7 - 3 = 4 $\frac{7 - 3 = 4}{1 - 2 - 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10}$ This can also be done using fingers/putting largest number in head and counting backwards.	Number sentence: 7 - 3 = 4 Mental Calculation: 13 - 4 = 9 Put 13 in your head and count back 4. What number have you landed on?
	Counters/Cubes/Objects: Move the objects away, counting backwards in ones.		



	Year 1: Multiplication	Vocabulary:       double, groups, lot, grouping, array, twos, tens, fives         Timetables Progression:       1s       2s       10s       5s	
Strategy	Concrete	Pictorial	Abstract
Doubling.	Use physical apparatus/objects such as counters or multi-link to make one group/lot. Double the amount to make two groups/lots and count how many there are in total.	One Digit two lots and c nt (one group/lot) and then the total.	Number Sentence: 4 + 4 = 8 4 x 2 = 8 2 x 4 = 8

Counting in multiples.	Use practical apparatus/objects to count on in 2's.	Count on using a number line or number ty	Number Sequence: 2, 4, 6, 8, 10 5, 10, ?, 20, ?
Repeated Addition.	Use practical apparatus/objects to make groups for repeated addition. 2 + 2 + 2 = 6	Repeated addition a number line: 5 + 5 + 5 = 5 + 5 + 5 = 5 + 5 + 5 = 0 + 5 + 5 + 5 + 5 + 5 + 5 = Numbers or pictorial representations can be used beneath the number line to show intervals. 5 + 5 + 5 + 5 + 5 + 5 = +5 + 5 + 5 + 5 + 5 = +5 + 5 + 5 + 5 + 5 =	Number Sentence: 4 + 4 + 4 = 12 $4 \times 3 = 12$ $3 \times 4 = 12$



	Year 1: Division	<b>Vocabulary:</b> half, halve, pair, share equally sharing	r, equal groups, grouping,
		Timetables Progression: 1s 2s 5s 10s	
Strategy	Concrete	Pictorial	Abstract
Sharing (into equal groups)	Use physical apparatus/objects such as counters or multi-link share an amount into equal groups. Share the 9 cakes equally between the 3 bears. Introduce halving as sharing into 2 equal groups. Half of 10	Represent sharing into equal groups pictorially through drawing an amount being shared equally. Bar models can be used in this stage. $6 \div 2 = 3$ $6 \div 2 = 3$	Number Sentence: 6 ÷ 3 = 2 Half of 10 = 5

Grouping	Use physical apparatus/objects such as counters or multi-link to put a given amount into equal groups. I made 15 cakes. I put 3 into a beg.(gp8 of 3) How many bags will I need?	Represent grouping pictorially through drawing equal groups. Put the socks into groups of 2.	Number Sentence: $6 \div 3 = 2$
Repeated subtraction (using a number line).	Use unifix cubes/bead strings to physically demonstrate how many times a smaller number goes into a larger number. Number lines can be used alongside bead strings/ unifix cubes. $8 \div 2 =$	Use repeated subtraction to demonstrate how many times a smaller number goes into a larger number. $15 \div 3 =$	Number Sentence: 15 ÷ 3 = The number of times you can take 3 from 15 is 5. 15 - 3 - 3 - 3 - 3 - 3 = 0 15 ÷ 3 = 5