





Year 3: Subtraction			Vocabulary: minus, take away, difference, less than, less, leave, left, left over, fewer, subtract, minus, difference between, distance between, subtraction		
Strategy	Concrete	Pi	ctorial		Abstract
Finding the difference.	Use practical apparatus to show the difference between two numbers. Equipment such as multilink, which is equal in size and can be lined up exactly, demonstrates this concept.	Use bar models to s difference betweer What is the difference	n two numbers.		Number Sentence: What is the difference between 121 and 54? 121 - 54 = Number Stories: Hannah has 108 sweets. Jack has 113 sweets.
	3	59		14	Find the difference between the number of sweets.
					113 – 108 =



Compact column subtraction <u>with and</u> <u>without</u> exchanging (three digit - three digit/two digit).	See expanded column subtraction for concrete methodology.	See expanded column subtraction for pictorial methodology.	Without exchanging: Work from the right to the left, subtracting the ones first and then subtracting the tens. 35 - 12 = 135 - 12 - 12
			With exchanging: If there are not enough ones, exchange a ten for ten ones. If there are not enough tens, exchange a hundred for ten tens. 142 - 24 =
			1 4 2
			- 24
			1 1 8

Year 3: Multiplication		Vocabulary:double, groups, lot, grouping, array, twos, tens, fives, times, multiply, multiplied by, two times table, ten times table, five times table, multiple of, once, twice, three times, five times, ten times, time as, repeated addition, row, column, sets, productTimetables Progression:2s - 12s		
Strategy	Concrete	Pictorial	Abstract	
Counting in multiples.	Use practical apparatus/objects to count on in 2's.	Count on using a number line or number track.	Number Sequence: 2, 4, 6, 8, 10 5, 10, ?, 20, ?	

Use of arrays to show commutati vity.	Create arrays using counters/cubes to show multiplication.	Draw arrays to show multiplication.	Number Sentence: 4 x 3 = 12 3 x 4 = 12
	4 x 10 = 4 rows of 10 = 40 10 columns of 4 = 40	Arrays should be created in different rotations to demonstrate the commutative law.	





Year 3: Division	Vocabulary: half, halve, pair, share equally, equal sharing, repeated subtraction, arrays, column, row, or each, group in pairs, group in tens, group in fives, equa divided, divided by, divided into, remainder, divide by Timetables Progression: 2s – 12s	ne each, two each, three of the each, two each, three of the each, three of the each and the each three of three of the each three of three of the each three of the each thre
Strategy Concrete	Pictorial	Abstract

