NUMBER AND PLACE VALUE KEY VOCABULARY

Partitioning	Splitting a number different ways to support calculation
Tens	The value of the first digit in a 2 digit number (e.g 32 has 3 tens)
Ones	The value of the final digit in a number (eg 45 has 5 units)
Digit	An individual figure within a number (eg 1, 2)
Ordinal number	Numbers which define order (1st, 2nd, 3rd)
Greater than >	When a number has a higher value than the one it is being compared with
Less than <	When a number has a lower value than the one it is being compared with
Equals =	Use to show that both sides of a number sentence are balanced (eg. 3+4=7. 7=3+4, 2+5=3+4)

MENTAL MATHS KEY VOCABULARY

Multiple	A number which can be divided by a another number without leaving a remainder
Bonds to 10	All of the pairs of numbers which add to 10 (3+7, 4+6)
Bonds within 10	All of the pairs numbers which add to each number up to 10 (eg 2+3= 5, 1+4=5)
10s Frame	Used to solve addition and subtraction problems, normally within 20.
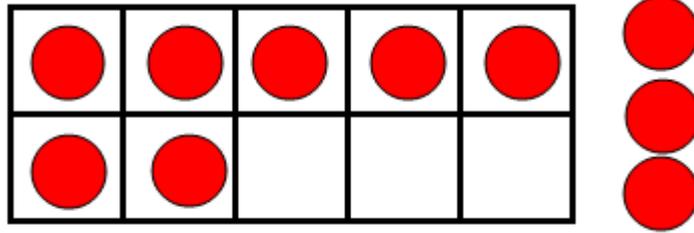
Bead string	Used to solve problems within 100

Associated fact/ fact family	A group of facts which use the same set of numbers eg 3+4=7, 4+3=7, 7-3=4, 7-4=3
Double	Adding a number to itself

OPERATIONS KEY VOCABULARY

Difference between	How many between the two numbers- often solved on a number line (how many more, how many less) Eg difference between 11 and 14

The difference between 11 and 14 is 3.

$14 - 11 = 3$

$11 + \square = 14$

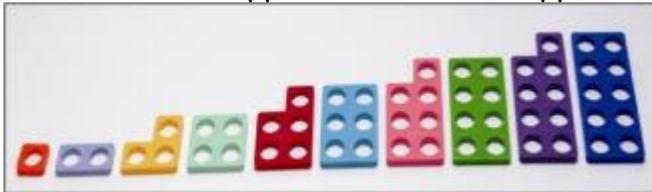|	
Multiplication	Multiplying one number by another (times, lots of, multiplied by, product of)
Array	A visual representation of multiplication

$4 \times 6 = 24$ $6 \times 4 = 24$

Division	Sharing or grouping a number into equal parts (share, divide, groups of, how many in)
Share	Divide a number or a number of objects equally into a number of piles
Group	Place objects in groups of a certain number
Commutative	The concept that addition and multiplication can be done in any order but subtraction and division cannot
Inverse	Reversing the effect of another operation eg 3+4=7 so 7-4=3
Number line	Used to solve calculations of all types- these may be filled or empty
Numicon	Tens and units apparatus used to support calculations
Dienes	Tens and units apparatus used to support calculations
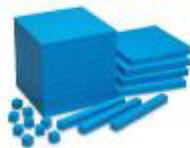
FLUENCY, REASONING AND PROBLEM-SOLVING
KEY VOCABULARY

Fluency	Using number and calculation skills accurately and efficiently
Reasoning	Following a line of enquiry, justifying their answers
Problem solving	Solving real life and logical problems using mathematical understanding