

## **Maths Knowledge Organiser**

Autumn 1

By the end of this place value unit, we will be able to work with numbers up to 9,999.

Key Vocabulary				
0	Ones	HThs	Hundreds of thousands	
Т	Tens	М	Millions	
Н	Hundreds	integer	A whole number	
Th	Thousands	approximate	Almost but not completely accurate	
TThs	Tens of thousands	partition	Split into parts	

Steps and Representations within the unit				
Step 1 – 1000s, 100s, 10s and 1s	Step 2 – Rounding to the nearest 10, 100, 1000	Step 3 – Read and write numbers to 100,000		
Thousands Ones H T O H T O	Thousands         Ones           H         T         O         H         T         O           2         8         7         2         9         5	Alex is using a part-whole model to help write the number 4,326,509 in words.  4,326,509  4,000,000  326,000  509  forty million and three hundred and twenty-six thousand and five hundred and nine		
Step 4 – Numbers to a million	Step 5 – compare and order numbers	Step 6 – Negative numbers		
1,000,000   2,000,000   3,000,000   4,000,000   5,000,000   7,000,000   8,000,000   9,000,000   100,000   200,000   300,000   400,000   500,000   600,000   700,000   800,000   900,000   10,000   20,000   30,000   40,000   50,000   60,000   70,000   80,000   90,000   1,000   2,000   3,000   4,000   5,000   6,000   7,000   8,000   9,000   100   200   300   400   500   600   700   800   900   100   200   300   400   500   600   700   800   900   100   200   300   400   500   600   700   800   900   100   200   300   400   500   600   700   800   900   100   200   300   400   500   600   700   800   900   100   200   300   400   500   600   700   800   900   100   200   300   400   500   600   700   800   900   100   200   300   400   500   600   700   800   900   1	M HTD TD TD H T 0 M HTD TD T	5		
Step 7 – Roman numerals				
XLIV XLV XLVII LVI LVII LXIV LXVI LXVII				

We will use these skills in real life when ...

We are working out amounts of money, including bills we may have to pay as adults.