KNOWLEDGE	STAGE 7	Advanced Multiplicative Part-Whole

At this stage these are the key pieces of knowledge the children need to learn.

	Learning Outcomes Knowledge I am learning to…									
Sequencing & Ordering	Count forwards and backwards in $^1/_{1000's}$, $^1/_{100's}$, $^1/_{10's}$ 1's, 10's, etc.	1.2, 1.3, 1.4 6.43, 6.43, 6.41								
	Say the number $^1/_{1000}$, $^1/_{100}$, $^1/_{10}$, 1, 10, before or after any number	1.2, 1.3,								
		6.42, 6.43								
Fractions	Order decimals to 3.d.p	0.379, 0.48, 0.8								
	Order mixed fractions with $^1/_2$, $^1/_4$, $^1/_3$, $^1/_5$, $^1/_{10}$	$^2/_{10}$, $^3/_4$ $^1/_2$, $^5/_3$,								
	Know equivalent fractions for $^1/_2$, $^1/_4$, $^1/_3$, $^1/_5$, $^1/_{10}$ with denominators 10,100,1000	$^1/_4 = {}^{25}/_{100}$,								
Grouping / PV	Know groupings of 10's, 100's & 1000s in 7 digit nos.	3 456 789 = 345 678 tens								
	Round whole numbers & decimals to nearest 1 or $^1/_{10}$	0.47 ⟶ 0.5								
Basic Facts	Recall all multiplication and division facts to 10 x 10	8 x 7 = 56 72 ÷ 9 = 8								
	Recall conversions between decimals, fractions & % with $^1/_2$, $^1/_4$, $^1/_3$, $^1/_5$, $^1/_{10}$	$^1/_2$ 0.5 50%								
	Use divisibility rules for 2,3,5,9,10	245 = divisible by 5 as ones is a 5								
	Know square no's & square roots to 100	7^2 = 49 so $\sqrt{49}$ = 7								
	Identify factors of numbers to 100	Factors of 35 = 1, 5, 7, 35								
	Find common multiples of numbers to 10	Common multiple of 3 & 7 is 21, 42, 63…..								