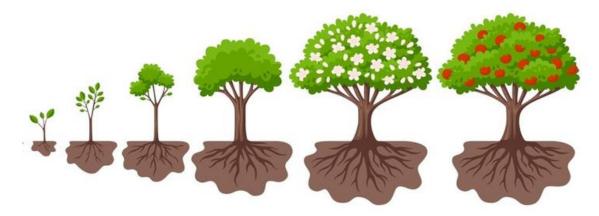


**Deepening and Broadening** 



Once a term, the children are expected to be able to answer their year group questions in 2 minutes. If they get them all correct, they will be expected to answer them in 1.5 minutes, and then 1 minute. The children are expected to improve their mental maths and be able to get the correct answers in a shorter amount of time.

End of Reception – Seeds		
You've planted the seed		
Say the numbers 1 to 20 accurately		
Say 1 more than any number between 0-20		
Say one less than any number between 0-20		
Know by heart number bonds to 3, 4 and 5		
End of Year 1 - Sprouts		
The seed is starting to sprout and produce green shoots		
One more or less than any number between	Count in fives	- 10
1-100	Recall doubles of all numbers to at least	V
Count in twos	ten	
Count in tens	Know by heart number bonds to twenty	all a
Know by heart number bonds to ten		
End of Year 2 - Seedling		
The tree is getting taller and developing more leaves		
Know by heart all number bonds to 6, 7, 8 and	Know by heart all bonds of multiples of	
9	10 to 100	SE
Order any 2 numbers between 0 and 100	Know by heart halves of all numbers to	Ŷ
using <>	twenty	- Maria
Know by heart doubles of all numbers to	Know by heart all division facts for 2 up	2710
twenty	to 24	
Know by heart all multiplication facts for 2 to	Know by heart all division facts for 5 up	
2 x 12	to 60	
Know by heart all multiplication facts for 5 to	Know by heart all division facts for 10	
5 x 12	up to 120	
Know by heart all multiplication facts for 10 to	Add or subtract any numbers up to 20.	
10 x 12		
Add or subtract any single digit numbers		

End of Year 3 – Saplings			
The tree is getting stronger and developing branches			
Know by heart all sums and differences of	Know by heart all multiplication facts for 8 to 8 x 12		
multiples of 10 up to 100		- VE	
Know by heart all multiplication facts for 3	Know by heart all division facts for 8 up to	Ϋ́	
to 3 x 12	96 Add an auktor at any single unit much ante		
Know by heart all division facts for 3 up to	Add or subtract any single unit number to	THE	
	any 3 digit HTU number	~ 1 m	
Know by heart all multiplication facts for 4	Add or subtract any multiple of 10 to any 3		
to 4 x 12	digit HTU number		
Know by heart all division facts for 4 up to	Add or subtract any multiple of 100 to any		
48	3 digit HTU number		
End of Year 4 – Mature			
	established with many leaves		
Know by heart all multiplication facts for 6	Know by heart all multiplication facts for	ALC: NO	
to 6 x 12	11 to 11 x 12		
Know by heart all division facts for 6 up to	Know by heart all division facts for 11 up	W.	
	to 132 Y4		
Know by heart all multiplication facts for 9	Know by heart all multiplication facts for	- ANT	
to 9 x 12	12 to 12 x 12		
Know by heart all division facts for 9 up to	Know by heart all division facts for 12 up		
108	to 144		
Know by heart all multiplication facts for 7	Round a number to the nearest 10, 100,		
to 7 x 12	1000		
Know by heart all division facts for 7 up to	Know number bonds to 100		
84			
End of Year 5 – Blossom The tree is flowering and thriving			
Double any 2 digit number	Know by heart the squares of numbers	and the state	
Halve any 2 digit number	between 1 and 12 and squares of multiples	A	
Know the factors of all times table answers	of 10.	A CONTRACTOR	
up to 12 x 12	Know number bonds to 100 for numbers		
Multiply or divide a number by 10, 100,	with one decimal place	Sala Sala	
1000 including decimals	Recall prime numbers up to 30	231855	
	Multiply pairs of multiples of 10 and 100		
	eg. 30 x 70		
End	of Year 6 – Flourish		
The tree is bearing fruit			
Double any number with up to 1 decimal	Find non-unit fractions of a number	and the second second	
place	Find a percentage of a number	A	
Half any number with up to 1 decimal	Convert between decimals fractions and		
place	percentages	ľ	
Find a unit fraction of a number	Convert improper fractions to mixed	APART	
Identify equivalence between fractions	number	and the	