Our Lady & St John's

Mental Maths Non-Negotiables Ladder

These targets should be worked on in each term. Any child who has gaps in their learning should be picked up by the precision teaching or through planning. Children should be extended in each strand through practical examples or different examples to embed knowledge if they are secure of the basic concept. We will pre-test in autumn and post-test in summer.

Term	Mental Maths Strand **Year Four**	Beginning (Initials)	Developing (numbers)	Secure (Initials)
Autumn	Find 1000 more/less than a given number.			
	Add and subtract £1, 10p and 1p to amounts of money.			
	Know the 3x and 4x table. Apply and investigate. Know associated division facts.			
	Know by heart, quickly derive number bonds to 100 and £1			
	Add and subtract any two 2 digit numbers by partitioning or counting on			
	Know multiplication and division facts for the 7 and 8x tables.			
Spring	Read and compare and convert between analogue/digital 12/24 hr clocks.			
	Multiply mentally one digit by two digit numbers			
	Count in 6's and 8's. Know 6x and 8x tables and relevant division facts			
	Find change from £10, £20 and £50			
	Count in multiples of 25			
	Know all 2-digit pairs that total 100			
	Know doubles and halves of: All whole numbers to 50 All multiples of 5 to 1000 All multiples of 50 to 5000			

Look SMART
Work and Play SMART
Be SMART

Summer	Begin to double and halve amounts of money (£35.60 doubles = £71.20)			
	Read Roman numerals to 100.			
	Count up/down in hundredths			
	Count in 7s and 9's. Know 6x and 8x tables and relevant division facts			
	Partition 2-digit numbers to multiply by a single –digit number mentally (4 x 24 as 4 x 20 and 4 x 4)			
	Use understanding of place value and number facts in mental multi and division (36 x 5 is half of 36 x 10 and 50 x 60 = 3000 or 245 ÷20 is double 245 ÷ 10)			
	Divide multiples of 100 by 1-digit numbers using division facts (3200 ÷ 8= 400)			
	Know all pairs of multiples of 50 with a total of 1000			
	Recognise common equivalent fractions			
	Know decimal equivalents of 1/2, 1/4, 3/4, 1/10, 1/100			
	Know all multiplication and division facts for all tables up to 12x12			