St Nicholas' CE (VA) Primary School

2024-25 Medium Term Planning – Maths

Owl Class Year 6 – Term 2

Number Facts: multiplication and division facts for all 12 times tables

Date w/c	Strand	Mental Maths (number facts)	Learning Objectives
1 **4.11.24**	Numbers up to 10,000,000	Decimals bonds to 1	To read scales and graphing and measures using knowledge of composition of 10,000 and 100,000 To use representations to explain patterns in powers of 10 To compose seven or eight-digit numbers using common intervals To use knowledge of the composition of up to eight-digit numbers to solve problems To explain how to read numbers with up to seven digits efficiently
2 **11.11.24**	Numbers up to 10,000,000	Decimal bonds to 1	To recognise and create numbers that contain place-holding zeros To determine the value of digits in numbers up to tens of millions and compare up to eight-digit numbers To solve problems using knowledge of composition To add and subtract mentally without bridging To add numbers whilst crossing the millions boundary
3 **18.11.24**	Mock SATs	Decimal bonds to 1	

4 **25.11.24**	Numbers up to 10,000,000	All times tables	To subtract numbers whilst crossing the millions boundary To explain why and how to round seven-digit numbers to the nearest million To round up seven-digit numbers to the nearest hundred thousand To round up seven-digit numbers to any power of 10 To identify and explain the most efficient way to solve a calculation
5 **2.12.24**	Numbers up to 10,000,000 Multiplication and Division	All times tables	To add and subtract numbers with up to seven digits using column addition and subtraction To explore and explain different written and mental strategies to solve addition and subtraction problems To solve addition and subtraction problems and explain which strategy is the most efficient To explain why the product stays the same when one factor is doubled and the other is halved. To explain the effect on the product when scaling the factors by the same amount
6 **9.12.24**	Multiplication and Division	All times tables	To use their knowledge of equivalence when scaling factors to solve problems To explain the effect on the quotient when scaling the dividend and divisor by 10 To explain the effect on the quotient when scaling the dividend and divisor by the same amount To explain how to accurately use the method of long multiplication to multiply two, two-digit numbers (no regrouping of ones to tens To explain how to accurately use the method of long multiplication (with regrouping of ones to tens)
7 **16.12.24** **(4 days)**	Draw and compose shapes	All times tables	To know the same 3D shape can be composed from different 2D net To know when a 2D shape is decomposed and the parts rearranged, the area remains the same. The area of a compound shape is therefore equal to the total of the areas of the constituent parts To know that two congruent triangles can be composed to form a parallelogram

			To know that shapes with the same area can have different perimeters. Shapes with the same perimeters can have different areas