Winton Primary School   Maths curriculum

	TO MULTIPLY AND DIVIDE		
	Milestone 1	**Milestone 2**	**Milestone 3**
Multiplication & division problem	• **Solve one-step problems involving multiplication using strategies such as concrete objects, pictorial representations, arrays, repeated addition and multiplication facts (Y2)** • **Solve one-step problems involving division using strategies such as concrete objects, pictorial representations, arrays, repeated subtraction and multiplication and division facts (Y2)**	• Solve problems involving multiplication and division	• Solve problems involving addition, subtraction, multiplication and division and a combination of these • **Use knowledge of the order of operations to carry out calculations (BIDMAS) (Y6)**
Multiplication & division methods	• **Write mathematical statements using multiplication (×), division (÷) and equals (=) symbols (Y2)** • Show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot • Solve problems involving multiplication and division using mental methods	• **Use short multiplication for 1 digit times 2 digit numbers (Y4)** • **Use short multiplications for 1 digit times 3 digit numbers (Y4)** • Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers • **Identify factor pairs of a number (Y4)**	• **Use long multiplication for multiplying numbers up to 4 digits by two-digits (Y5)** • **Use long multiplication for numbers with up to 2 decimal places (Y6)** • **Divide numbers up to 4 digits by a two-digit number using short division (bus stop) (Y5)** • **Divide numbers using short division and interpret the remainders as appropriate (Y6)** • **Use short division for numbers with up to 2 decimal places by whole numbers (Y6)** • Perform mental calculations, including with mixed operations and large numbers
Checking	• Use known multiplication facts to check the accuracy of calculations	• Recognise and use the inverse relationship between multiplication and division and use this to check calculations and solve missing number problems	• Estimate and use inverse operations and rounding to check answers to a calculation
Using multiplication & division facts	• **Know the 2 times table (Y2)** • **Know the 5 times table (Y2)** • **Know the 10 times table (Y2)** • **Recognise odd and even numbers (Y2)** • **Recognise doubles to double 6 (Y1)** • **Half even numbers up to 12 (Y1)** • **Recall doubles of numbers to 12 (Y2)** • **Recall halves of even numbers to 24 (Y2)** • Use multiplication and division facts to solve problems	• **Know the 3 times table (Y3)** • **Know the 4 times table (Y3)** • **Know the 8 times table (Y3)** • **Know the 6 times table (Y4)** • **Know the 7 times table (Y4)** • **Know the 9 times table (Y4)** • **Know the 11 times table (Y4)** • **Know the 12 times table (Y4)**	• **Identify multiples and factors including finding common factors (Y5)** • **Recall prime numbers up to 19 (Y5)** • **Multiply and divide numbers by 10, 100 and 1000 (Y5)** • **Recognise and use square numbers and cube numbers (Y5)** • Solve problems involving multiplication and division including using knowledge of factors and multiples, squares and cubes

BOLD-Key learning within the milestones