



Year 3	Year 4	Year 5	Year 6
Knowledge – Multiplication and Division	Knowledge – Multiplication and Division	Knowledge – Multiplication and Division	Knowledge – Multiplication and Division
<ul style="list-style-type: none"> Recall and use multiplication and division facts for the 3, 4 and 8 times tables Write and calculate mathematical statements for multiplication and division using the time stables that they know including for 2-digit numbers, 1-digit numbers using mental and progressing to formal written methods (see the calculation policy) 	<ul style="list-style-type: none"> Recall multiplication and division facts for multiplication tables up to 12 x 12 Use place value known and derived facts to multiply and divide mentally including multiplying by 0 and 1; dividing by 1; multiplying together 3 numbers Recognise and use factor pairs and commutativity in mental calculations Multiply 2-digit and 3-digit numbers by a 1-digit number using formal written method (see calculation policy) 	<ul style="list-style-type: none"> Identify multiples and factors, including finding all factor pairs of a number, and common factors of 2 numbers Know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers Establish whether a number up to 100 is prime and recall prime numbers up to 19 Recognise and use square numbers and cube numbers and the notation for the squared and cubed Multiply numbers up to 4 digits by a 1 or 2-digit number using a formal written method, including long multiplication for 2-digit numbers Multiply and divide numbers mentally drawing upon known facts Divide numbers up to 4 digits by a 1-digit number using the formal written method of short division and interpret remainders appropriately for 	<ul style="list-style-type: none"> Identify common factors, common multiples and prime numbers Use estimation to check answers to calculations and determine, in the context if a problem, an appropriate degree of accuracy Multiply multi-digit numbers up to 4 digits by a 2-digit whole number using the formal written method of long multiplication Divide numbers up to 4 digits by a 2-digit whole number using the formal written method of long division and interpret remainders as whole number remainders, fractions or by rounding as appropriate for the context Divide numbers up to 4 digits by a 2-digit number using the formal written method of short division where appropriate, interpreting remainders according to the context Perform mental calculations, including with mixed operations and large numbers

