

Year 5 – Area 1: Number and place value		2014/2015
Key vocabulary:	<p>problem, solution, calculate, calculation, equation, operation, answer, method, explain, reasoning, reason, predict, relationship, rule, formula, pattern, sequence, term, consecutive</p> <p>place value, digit, numeral, partition, decimal point, decimal place, thousands, ten thousands, hundred thousands, millions, tenths, hundredths, positive, negative, above/below zero, compare, order, ascending, descending, greater than (>), less than (<), round, estimate, approximately</p>	
National Curric Objectives for this area: Term 1 Term 2 Term 3	<ul style="list-style-type: none"> • Recall quickly multiplication facts up to 10 x 10 and use them to multiply pairs of multiples of 10 and 100; derive quickly corresponding division facts. • Count from any given number in whole-number and decimal steps, extending beyond zero when counting backwards • count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000 • Explain what each digit represents in whole numbers and decimals with up to two places • read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit • Use knowledge of rounding, place value, number facts and inverse operations to estimate and check calculations. • round any number up to 1 000 000 to the nearest 10, 100, 1 000, 10 000 and 100 000 • Use knowledge of place value and addition and subtraction of two-digit numbers to derive sums and differences and doubles and halves of decimals (e.g. 6.5 ± 2.7, half of 5.6, double 0.34). • interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero • Read Roman numerals to 1 000 (M) and recognise years written in Roman numerals. • recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents • solve number problems and practical problems that involve all of the above 	