Hevingham and Marsham Primary School Partnership New Curriculum - maths planning sheets

	Year 5 –		
	Area 2: calculation	2014/2015	
Key vocabulary:	problem, solution, calculate, calculation, equation, operation, answer, method, explain, reasoning, reason, predict, relationship, rule, formula, pattern, sequence, term, consecutive		
	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		
	add, subtract, multiply, divide, sum, total, difference, plus, minus, product remainder	t, quotient,	
National Curric Objectives for this area:	 Use knowledge of place value and addition and subtraction of two to derive sums and differences and doubles and halves of decimals half of 5.6, double 0.34) 	d differences and doubles and halves of decimals (e.g. 6.5 ± 2.7 ,	
	 Recall quickly multiplication facts up to 10 × 10 and use them to m multiples of 10 and 100; derive quickly corresponding division fact 		
Term 1 Term 2	 Use understanding of place value to multiply and divide whole numbers and decimals by 10, 100 or 100 Extend mental methods for whole-number calculations, for example to multiply a two-digit by a one-digit number (e.g. 12 × 9), to multiply by 25 (e.g. 16 × 25), to subtract one near multiple of 1000 from another (e.g. 6070 - 4097) 		
Term 3			
	 add and subtract numbers mentally with increasingly large numbe 	rs	
	 Use knowledge of rounding, place value, number facts and inverse estimate and check calculations 	operations to	
	 recognise and use square numbers and cube numbers, and the not squared (2) and cubed (3) 	tation for	
	 Use efficient written methods to add and subtract whole numbers with up to two places 	and decimals	
	 Solve one-step and two-step problems involving whole numbers at all four operations, choosing and using appropriate calculation stra calculator use 		
	 Refine and use efficient written methods to multiply and divide HT U.t × U and HTU ÷ U 	U × U, TU × TU,	
	 multiply numbers up to 4 digits by a one- or two-digit number usin written method, including long multiplication for two-digit number 	_	

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- divide numbers up to 4 digits by a one-digit number using the formal written method of short division and interpret remainders appropriately for the context
- add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction)