

Year 4 – Area 2: calculation		2014/2015
Key vocabulary:	<p>problem, solution, calculate, calculation, answer, method, explain, reasoning, pattern, predict</p> <p>place value, partition, digit, ones, tens, hundreds, one–digit number, two–digit number, three–digit number, compare, order, equals (=)</p> <p>count on/back, add, subtract, multiply, times, divide, share, group, sum, total, difference, plus, minus</p>	
National Curriculum Objectives for this area: <div style="background-color: #90EE90; padding: 2px; margin-bottom: 5px;">Term 1</div> <div style="background-color: #FFFF00; padding: 2px; margin-bottom: 5px;">Term 2</div> <div style="background-color: #FF00FF; padding: 2px;">Term 3</div>	<ul style="list-style-type: none"> • add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate • estimate and use inverse operations to check answers to a calculation • solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why. • recall multiplication and division facts for multiplication tables up to 12×12 • 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 • recognise and use factor pairs and commutativity in mental calculations • multiply two-digit and three-digit numbers by a one-digit number using formal written layout • solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects. 	