Key: Date the box to show what level each child has achieved at the end of each objective	Working Within	Mastery	Greater Depth
Children can demonstrate their methods for solving mathematical problems using concrete apparatus or pictorial representations.			

			Working Within	Mastery	Greater Depth
Number	1 KPI	**Recognise the place value of each digit in a three-digit number (hundreds, tens, and ones) and compare and order numbers up to 1000, including reading and writing numbers up to 1000 in numerals and in words.**			
	2 KPI	**Find 10 or 100 more or less than a given number.**			
	3 KPI	**Solve number & word problems, including missing number problems, using number facts and more complex addition and subtraction. (if 4+5 = 9, then 40+50 = 90)**			
	4 KPI	**Add and subtract numbers mentally (crossing the 10s barrier), including: a three-digit number and one; a three-digit number and tens: a three-digit number and hundreds.**			
	5 KPI	**Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables.**			
	6	Estimate the answer to a calculation and use inverse operations to check answers for addition and subtraction.			
	7	Add and subtract numbers with up to three digits, using formal written methods of column addition and subtraction (introducing regrouping e.g. 91 -73).			
	8	Write, manipulate and calculate mathematical statements for multiplication and division, including for TO x O numbers, using mental and progressing to formal written methods.			
	9	Solve number & word problems, including missing number problems, using number facts and more complex division and multiplication, for example 3 x 4 = 12 so 3 x 40 = 120.			
	10	Count from 0 in multiples of 50 and 100			
	11	Count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10.			
	12	Recognise, find and write fractions of a discrete set of objects and use as numbers: unit fractions and non-unit fractions with small denominators.			
	13	Add and subtract fractions with the same denominator within one whole (for example ⅕ + ⅗ = ⅘).			
	14	Compare and order unit fractions. Recognise and show using diagrams, equivalent fractions with small denominators.			
Measure	15	Add and subtract amounts of money to give change, using both £ and p in practical contexts.			
	16	Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml).			
	17	To measure and work out the perimeter of simple 2-D shapes.			
	18	Tell and write the time to the nearest five minutes on an analogue and digital (24 hours) clock.			
	19	Read and write Roman Numerals up to I – XII, including on a clock face.			
	20	Knows the number of seconds in a minute and the number of days in each month, year and leap year.			
	21	Comparing time and calculating durations of events in terms of seconds, minutes and hours; use vocabulary such as o'clock, a.m., p.m., morning, afternoon, noon and midnight.			
Geometry	22	Draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them.			
	23	Recognise angles as a property of shape and can identify right angles (how many make a ½, ¾ of a turn or complete turn); identify whether angles are greater than or less than a right angle.			
	24	Identify horizontal and vertical lines and pairs of perpendicular and parallel lines.			
S	25	Present data, interpret and solve one and 2 step questions using bar charts, pictograms and tables.			