Name:		Yr4		Class of:		

Mathematics: Planning and Assessment Year 4	44 Statements	15 KPIs	
STATEMENTS	12	23	34 including all underlined KPIs
Attainment	Year 4 Emerging	Year 4 Developing	Year 4 Secure

For statements to be completely embedded they should be demonstrated in a range of contexts and subject areas in applicable.

Number & Place Value	Addition & Subtraction	Multiplication & Division	Fractions (including decimals)	Measurement	Geometry:Properties of shape	Geometry:Position and Direction	Statistics
Count in multiples of 6,7,9, 25 and 1000	Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate.	**Recall multiplication and division facts for multiplication tables up to 12 x 12.**	**Recognise and show, using diagrams, families of common equivalent fractions.**	**Convert between different units of measure [for example, kilometre to metre;hour to minute;]**	**Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes.**	Describe positions on a 2-D grid as coordinates in the first quadrant.	Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs.
Find 1000 more or less than a given number	Estimate and use inverse operations to check answers to a calculation.	*Use place value, known and derived facts to multiply and divide mentally, including:*	**Count up and down in hundredths arise when dividing an object by one hundred and dividing tenths by ten.**	Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres.	Identify acute and obtuse angles and compare and order angles up to two right angles by size.	Describe movements between positions as translations of a given unit to the left/right and up/down.	**Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs.**
Count backwards through zero to include negative numbers.	**Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.**	Multiplying by 0 and 1;	Solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number.	Find the area of rectilinear shapes by counting squares.	**Identify lines of symmetry in 2-D shapes presented in different orientations.**	**Plot specified points and draw sides to complete a given polygon.**	
Recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones).		Dividing by 1;	Add and subtract fractions with the same denominator.	Estimate, compare and calculate different measures, including money in pounds and pence.	Complete a simple symmetric figure with respect to a specific line of symmetry.		
Order and compare numbers beyond 1000.		Multiplying together three numbers.	Recognise and write decimal equivalents of any number of tenths or hundredths.	Read, write and convert time between analogue and digital 12- and 24-hour clocks.			
Identify, represent and estimate numbers using different representations.		Recognise and use factor pairs and commutatively in mental calculations.	Recognise and write decimal equivalents to 1/4, 1/2, 3/4.	Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days.			
Round any number to the nearest 10, 100 or 1000.		Multiply two digit numbers and three digit numbers by a one digit number using formal written layout.	Find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths.				
Solve number and practical problems that involve all of the above and with increasingly large positive numbers.		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.	**Round decimals with one decimal place to the nearest whole number.**				
Read Roman numerals to 100 (I to C) and know that over time ,the numeral system changed to include the concept of zero and place value.			Compare numbers with the same number of decimal places up to two decimal places.				
			Solve simple measure and money problems involving fractions and decimals to two decimal places.				

End of Year 4 : Have memorised multiplication tables up to and including 12 x 12; show precision and fluency in their work; read and spell mathematical vocabulary correctly and confidently.