

## YEAR 4 – KEY ASSESSMENT CRITERIA: MATHS – 2016/17

	<b>NUMBER and FRACTIONS</b>					
1	I can recall all multiplication facts to 12x12 and multiples of 25 and 1000 and use them to multiply and divide mentally up to three numbers together.					
2	I can recognise and use factor pairs and commutativity in mental calculations.					
3	I can order and compare numbers beyond 1000 and find 1000 more or less than a given number.					
4	I can identify, represent and estimate numbers using different representations.					
5	I can estimate and use inverse operations to check answers to a calculation.					
6	I can round any number to the nearest 10, 100 or 1000 and decimals with 1 decimal place to the nearest whole number knowing the place value of each digit (thousands, hundreds, tens and ones).					
7	I can count backwards through zero to include negative numbers.					
8	I can compare numbers with the same number of decimal places up to 2 decimal places.					
9	I can recognise and write decimal equivalents of any number of tenths or hundredths in particular $\frac{1}{4}$ , $\frac{1}{2}$ and $\frac{3}{4}$ .					
10	I can add and subtract numbers with up to 4 digits using formal written method of column addition.					
11	I can divide a 1 or 2 digit number by 10 or 100 identifying the value of the digits in the answer as units, tenths and hundredths.					
12	I can multiply 2 and 3 digit numbers by a 1 digit number using formal written layout.					
13	I can solve addition and subtraction 2-step problems deciding which operations to use and why.					
14	I can 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.					
15	I can solve number and practical problems that involve multiples, negative numbers, 4-digit numbers and rounding.					
16	I can solve simple measures and money problems involving fractions and decimals to 2 decimal places.					
17	I know Roman Numerals up to and including 100.					
18	I can recognise, read and write equivalent fractions.					
19	I can count up and down in hundredths; recognise and write decimal equivalents of any number of tenths or hundredths.					
20	I can add and subtract fractions with the same denominator.					
21	I can solve problems involving increasingly harder fractions to calculate quantities including non-unit fractions where the answer is a whole number.					
22	I can 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.					
	<b>MEASUREMENT, GEOMETRY AND STATISTICS</b>					
23	I can convert between different units of measure [for example, kilometre to metre; hour to minute].					
24	I can solve problems involving estimating, comparing and calculating measures					

	including money in pounds and pence.					
25	I can measure and calculate the perimeter and area of a rectilinear figure in centimetres and metres.					
26	I can read, write and convert between analogue and digital, 12 and 24 hour clocks.					
27	I can identify lines of symmetry in 2-D shapes presented in different orientations.					
28	I can complete a simple symmetric figure with respect to a specific line of symmetry.					
29	I can compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes.					
30	I can compare and order angles up to 2 right angles by size and I know that angles are measured in degrees and I can identify acute and obtuse angles.					
31	I can describe positions on a 2-D grid as coordinates in the first quadrant.					
32	I can describe movements between positions as translations of a given unit to the left/right and up/down.					
33	I can plot specified points and draw sides to complete a given polygon.					
34	I can solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs.					
35	I can interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs.					