Mathematics Key Objectives Record of Achievement/Self Assessment Sheet

Name _____ Year 5

	3	4	Year 5 key objectives	6	7
A	**I can partition three-digit numbers into multiples of 100, 10 and 1 in different ways.** I can round two-digit or three-digit numbers to the nearest 10 or 100 …	I can partition four-digit whole numbers. I can also round them to the nearest 100 or nearest 10 and put them in order correctly.	**I can say what each digit represents in whole numbers and in decimals with up to two places.** **I can partition, round and order these numbers correctly.**	I can use decimal notation for tenths, hundredths and thousandths. I can partition, round and order decimals with up to three places, and position them correctly on a number line.	I can compare and order integers (whole numbers) and decimals in different contexts (e.g. when dealing with money, lengths, weights, etc.).
B	**I know all my number bonds (addition and subtraction) for each number to 20.** **I know the sums and differences of multiples of 10 (10, 20, 30……90) and pairs of numbers that add up to 100.**	I use my knowledge of number bonds and place value to work out sums and differences of pairs of multiples of 10, 100 or 1000. I can spot the doubles of two-digit numbers and I use these to work out doubles and halves of numbers like 80, 280, 300, 4500.	**I use my knowledge of place value and addition and subtraction of two-digit numbers to work out sums and differences and doubles and halves of decimals (e.g. 6.5 + 2.7 and 6.5 – 2.7, half of 5.6, double 0.34).**	**I use my knowledge of place value and multiplication facts (up to 10 × 10) to work out related multiplication and division facts involving decimals (e.g. 0.8 × 7, 4.8 ÷ 6).**	
C	I use written methods to add and subtract two digit and three digit numbers and to help me explain these sorts of sums.	**I use efficient written methods to add and subtract two-digit and three-digit numbers.** **I can also use written methods to add and subtract money in pounds and pence (e.g. £3.75 + £2.50; £3.75 - £2.50).**	**I use efficient written methods to add and subtract whole numbers and decimals with up to two places.**	**I use efficient written methods to add and subtract integers (whole numbers) and decimals…**	I use standard column methods to add and subtract integers (whole numbers) and decimals…
D	**I can read and write a range of words to describe position, direction and movement.** **I can use the four compass directions to describe movement about a grid.**	I can spot horizontal and vertical lines. I can use the eight compass points to describe direction. I can find and describe the position of a particular square on a grid of squares.	**I can read and plot coordinates in the first quadrant.** **I recognise parallel and perpendicular lines in grids and shapes.** **I can use a set-square and ruler to draw shapes with perpendicular or parallel sides.**	I can use coordinates in the first quadrant to draw, find and complete shapes that match the properties I have been given.	I can use coordinates in all four quadrants and find points needed to complete shapes. I can also find the position of points after movement (such as reflection, rotation or translation).
E		I can draw rectangles and measure and calculate their perimeters. I can find the area of "rectilinear shapes" drawn on a square grid by counting the squares	**I can draw and measure lines to the nearest millimetre.** **I can measure and calculate the perimeter of regular and irregular polygons.** **I can use the formula for the area of a rectangle to calculate the rectangle's area.**	I can calculate the perimeter and area of "rectilinear shapes". I can estimate the area of an irregular shape by counting squares.	I can calculate the area of right-angled triangles when I know the lengths of the two perpendicular sides. I can calculate the volume and surface area of cubes and cuboids.
F	**I can make tally charts, frequency tables, pictograms and bar charts to show results.** **I can use the computer to help make a bar chart.**	**I can make tables, diagrams, tally charts, pictograms and bar charts.** **I can use the computer to make graphs and charts.**	**I can make frequency tables, pictograms and bar and line graphs to show the frequencies of events and changes over time.**	I can draw and interpret frequency tables, bar charts and line graphs. I can interpret pie charts.	I can draw, interpret and compare graphs and diagrams that represent data. (For example, I can compare proportions in two pie charts that represent different totals.)