MATHS

Year 6 Standard

Key Performance Indicators				Performance Standard
	Geometry			
Measure	**Properties of Shapes**	**Position and Direction**	**Statistics**	
Solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate. Use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit, and vice versa, using decimal notation to up to three decimal places. Convert between miles and kilometres. Recognise that shapes with the same areas can have different perimeters and vice versa. Recognise when it is possible to use formulae for area and volume of shapes. Calculate the area of parallelograms and triangles calculate, estimate and compare volume of cubes and cuboids using standard units, including cubic centimetres (cm^3) and cubic metres (m^3), and extending to other units [for example, mm^3 and km^3].	Draw 2-D shapes using given dimensions and angles. Recognise, describe and build simple 3-D shapes, including making nets. Compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons. Illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius. Recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles.	Describe positions on the full coordinate grid (all four quadrants). Draw and translate simple shapes on the coordinate plane, and reflect them in the axes.	Interpret and construct pie charts and line graphs and use these to solve problems. Calculate and interpret the mean as an average.	By the end of Y6, a child should be able to solve a wider range of problems, including increasingly complex properties of numbers and arithmetic, and problems demanding efficient written and mental methods of calculation. A child is beginning to use the language of algebra as a tool for solving a variety of problems A child can: ❖ Classify shapes with increasingly complex geometric properties and use the vocabulary needed to describe them; and ❖ Read, spell and pronounce mathematical vocabulary correctly.

Number of KPI's achieved:	Y6 level:	Y6 score:	Number of KPI's achieved:	Y6 level:	Y6 score:	Number of KPI's achieved:	Y6 level:	Y6 score:	Number of KPI's achieved:	Y6 level:	Y6 score:
1 - 5	6d	41	6 -10	6c	42	11 - 14	6b	43	15	6a	44