

# Year Six – Key Objectives

## Maths

		Date Achieved
1	Use negative numbers in context to calculate intervals across zero	
2	Divide numbers up to 4-digits by a 2-digit whole number, using long division, interpreting and writing remainders appropriately	
3	Use knowledge of the order of the four operations to carry out calculations	
4	Use common factors to simplify fractions	
5	Compare and order fractions, including fractions which are $> 1$	
6	Add and subtract fractions with different denominators and mixed numbers	
7	Multiply simple pairs of proper fractions e.g. $\frac{1}{2} \times \frac{3}{4} = \frac{3}{8}$	
8	Divide proper fractions by whole numbers e.g. $\frac{3}{4} \div 3 = \frac{1}{4}$	
9	Calculate decimal fraction equivalents (0.375) for simple fractions ( $\frac{3}{8}$ )	
10	Multiply a number with up to two decimal places (6.52) by whole numbers	
11	Use written division with answers of up to two decimal places	
12	Solve problems including the calculation of percentages e.g. 15% of 360	
13	Recall and use equivalences between fractions, decimals and percentages e.g. $\frac{3}{8} = 0.375 = 37.5\%$	
14	Solve ratio problems, using knowledge of multiplication and division facts	
15	Solve problems involving similar shapes where the scale factor is known	
16	Solve proportion problems, using knowledge of fractions and multiples	
17	Use simple formulae	
18	Generate and describe linear number sequences	
19	Express missing number problems algebraically	
20	Convert units of measure between larger and smaller metric units, up to three decimal places e.g. $3g = 0.003kg$	
21	Convert between miles and kilometres	
22	Calculate the area of parallelograms and triangles	
23	Calculate, estimate and compare the volume of cubes and cuboids	
24	Illustrate and name the parts of the circle, including radius, diameter and circumference	
25	Find missing angles in triangles, quadrilaterals and regular polygons	
26	Recognise vertically opposite angles and find missing angles	
27	Describe the positions and co-ordinates of shapes and patterns, using all four quadrants	
28	Draw and translate shapes in all four quadrants and reflect them in the axes	
29	Construct and interpret line graphs and pie charts	
30	Calculate and interpret the mean as an average	