Numeracy
Key Objectives   Year 6

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Multiply and divide decimals mentally by 10 or 100 and integers by 1000 and explain the effect.									
Order a mixed set of numbers with up to three decimal places.									
Reduce a fraction to its simplest form by cancelling common factors.									
Use a fraction as an operator to find fractions of numbers or quantities (e.g. $\frac{5}{8}$ of 32, $\frac{7}{10}$ of 40, $\frac{9}{100}$ of 400 centimetres).									
Understand percentage as the number of parts in every 100, and find simple percentages of small whole number quantities.									
Solve simple problems involving ration and proportion.									
Carry out column addition and subtraction of numbers involving decimals.									
Derive quickly division facts corresponding to multiplication tables up to 10 x 10									
Carry out short multiplication and division of numbers involving decimals.									
Carry out long multiplication of a three-digit by a two-digit integer.									
Use a protractor to measure acute and obtuse angles to the nearest degree									
Calculate the perimeter and area of simple compound shapes that can be split into rectangles.									
Read and plot co-ordinates in all four quadrants									
Identify and use the appropriste operations (including combinations of operations) to solve word problems involving numbers and quantities, and explain methods and reasoning.									
Solve a problem by extracting and interpreting information presented in tables, graphs and charts.									