

Year 7 Maths 1). Fractions and Percentages 2). Ratios

Level	Knowledge, Skills, Understanding
Higher	<p>Pupils/I:</p> <ul style="list-style-type: none"> Use halving and doubling strategies on fractions to find decimal equivalents of other fractions. Convert a fraction to a decimal to make a calculation easier Use and interpret maps, using proper map scales (1 : 25 000) Simplify a ratio expressed in fractions or decimals Write ratios in the form 1: m or m: 1 Divide a quantity in two parts in a given part:whole ratio Express correctly the solution to a division in a ratio problem
Intermediate	<p>Pupils/I:</p> <ul style="list-style-type: none"> Find a percentage of a quantity using a multiplier Use division to convert a fraction to a decimal Convert a terminating decimal to a fraction and simplify the fraction Work interchangeably with terminating decimals and their corresponding fractions Learn fractional equivalents to key recurring decimals Know the denominators of simple fractions that produce recurring decimals, and those that do not Interpret percentage as the operator 'so many hundredths of' Calculate fractions of quantities and measurements Identify when a ratio is written in its lowest terms Simplify a ratio by cancelling common factors Find the value of a 'unit' in a division in a ratio problem Divide a quantity in two parts in a given part:part ratio
Foundation	<p>Pupils/I:</p> <ul style="list-style-type: none"> Convert terminating decimals to fractions Recall known facts including fraction to decimal conversions Extend mental methods of calculation to include percentages Calculate simple percentages Convert between mixed numbers and top-heavy fractions Describe a comparison of measurements or objects using the language 'a to b' and ratio notation a:b Use ratio notation to describe a comparison of more than two measurements or objects Convert between different units of measurement State a ratio of measurements in the same units

NB: direct command = knowledge, 'can'= understanding, 'able to'=skills

