

Maths Objectives – Ratio

Key Stage	Objective	Child Speak Target
KS 1 Y1		
KS 1 Y2		
KS 2 Y3		
KS 2 Y4		
KS 2 Y5		
KS 2 Y6	Solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts.	<i>I can solve problems about relative sizes (ratio).</i>
KS 2 Y6	Solve problems involving the calculation of percentages [for example, of measures, and such as 15% of 360] and the use of percentages for comparison.	<i>I can find the percentage of an amount - such as finding 15 per cent of 360.</i>
KS 2 Y6	Solve problems involving similar shapes where the scale factor is known or can be found.	<i>I can solve similar shape problems.</i>
KS 2 Y6	Solve problems involving unequal sharing and grouping using knowledge of fractions and multiples.	<i>I can solve problems about unequal sharing - such as 'I need four eggs and for every egg I need three spoonfuls of flour. How much flour do I need?'</i>
KS3	Change freely between related standard units [for example time, length, area, volume/capacity, mass].	
KS3	Use scale factors, scale diagrams and maps.	
KS3	Express one quantity as a fraction of another, where the fraction is less than 1 and greater than 1.	
KS3	Use ratio notation, including reduction to simplest form.	
KS3	Divide a given quantity into two parts in a given part:part or part:whole ratio; express the division of a quantity into two parts as a ratio.	
KS3	Understand that a multiplicative relationship between two quantities can be expressed as a ratio or a fraction.	
KS3	Relate the language of ratios and the associated calculations to the arithmetic of fractions and to linear functions.	
KS3	Solve problems involving percentage change, including: percentage increase, decrease and original value problems and simple interest in financial mathematics.	
KS3	Solve problems involving direct and inverse proportion, including graphical and algebraic representations.	
KS3	Use compound units such as speed, unit pricing and density to solve problems.	