Ratio & Prop	ortion				
Ratio	Used to compare the size of / difference between quantities	<i>Example</i> The ratio of blue cars to green is 1:2 <i>this means</i> there are two green cars for every blue car			
		A loaf of bread costs £1.15. The ratio for this is 1:1.15			
	Ratios can have more than two numbers	The ratio of ingredients (butter, sugar, flour, eggs) in a 6oz cake mix is 6:6:6:3 <i>this means</i> 6oz butter, 6oz sugar, 6oz flour, 3 eggs This ratio can be simplified by dividing the ratios by their common factor of 3 and becomes: 2:2:2:1			
		<i>this means</i> there are 2oz of butter, 2oz flour, 2oz sugar to 1 egg <i>OR</i> <i>there are</i> 2 parts flour, 2 parts butter, 2 parts sugar and 1 part egg = 7 parts			
Direct Proportion	Quantities are in direct proportion when the	A loaf of bread costs £1.15. The ratio is 1:1.15			
	pair of values increase or decrease but the ratio remains the same	If we buy 10 loaves of bread the cost changes but the ratio remains the same.			
		Loaves	Cost £	Ratio of nun	nber of loaves to cost
		1	1.15	<u>1.15</u> 1	1:1.15
		2	2.30	<u>2.30</u> 2	1:1.15
		3	3.45	<u>3.45</u> 3	1:1.15
		5	5.75	<u>5.75</u> 5	1:1.15
		10	11.50	<u>11.50</u> 10	1:1.15