Y7 Mastery: Unit 16 – Ratio Y8 Mastery: Unit 6 – Ratio Review		Keyword/Skill	Definition/Tips
Representing a Ratio   "For every 5 boys there are 3 girls"   5:3	Order is Important "For every dog there are 2 cats" Dogs : Cats	Ratio	Ratio compares the size of <b>one</b> <b>part</b> to <b>another part</b> . Written using the ':' symbol. <b>3</b> : 1
This is the "whole" – boys and girls together	The ratio has to be written in the same order as the information given.	Proportion	Proportion compares the size of one part to the size of the whole. In a class with 13 boys and 9 girls, the proportion of boys is $\frac{13}{22}$ and the proportion of girls is $\frac{9}{22}$
This represents the 5 boys This represents the 3 girls This represents the 3 girls	E.g. 2 : 1 would represent 2 dogs for every 1 cat	Share Parts	Split or divide. One cube in the bar model represents one part.
In The Same Ratio The ratio of blue cubes to red cubes is 1:2		Direct Proportion	As one amount increases, another amount increases at the same rate.
If we have 3 blue cubes, to keep it in the same ratio as <b>1</b> : <b>2</b> we need double the amount of blue cubes. That means 6 red cubes are needed		Inverse Proportion	When one value <b>decreases</b> at the same rate that the other increases.
		Bar Model	A picture (usually a bar) to represent a known or unknown number <b>3 : 1</b>
Equivalent Ratios		Enlargement	Make the object bigger or smaller
2 :	2:3 These strips show that each ratio is aquivalent as the		The constant value relating to amounts that rise or fall at the same rate together
4 :	same area of each strip is gold and silver.	Other Topics/ • Ratio & Pr • Direct and	<u>Units this could appear in:</u> oportion d inverse proportion



