

Ratio and Proportion

This week I would like you to focus on Ratio and Proportion. We have done some work on this already but it is a very important topic in the GCSE, so you need to make sure you are completely happy with it.

I have set up 5 'homework' tasks, which are all due to be completed by 27th April.

Please **complete them in the following order:**

1. Modelling Ratio – This goes back to the basic concept of ratio
2. Ratio Introduction
3. Ratio Dividing 1
4. Proportion Introduction
5. Proportion Unitary Ratio (see my comment below)

In each case I recommend that you **review the lesson first**, rather than rushing straight into the task. **Make any relevant notes** in your maths book, with examples if you think this will help you later. **Only use a calculator if it permits you to do so!!**

Unitary Ratio is always written in the form **1:n** or **n:1** In other words it tells you how much of one quantity goes with 1 part of another quantity. This is the only ratio that permits you to use decimals or fractions as one part.
e.g. 2: 5 as a unitary ratio can be written as 1:2.5 or 0.4:1 depending on what the question requires.

I would also like you to **watch the following videos** on mathswatch and complete the interactive questions that appear above each video afterwards.

Set the qualification to KS3 and the Topic to Ratio

R5a, R5b, R8 (Direct Proportion) and R13 (Indirect Proportion)

Have Fun

Mrs Richards