** Mathematics Faculty**

**Unit 8 Overview**

**Ratio and Proportion**

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| **Topic** | **Key Ideas** | **Progress** | | |
| **R** | **A** | **G** |
| **Ratio and Proportion** | I can simplify two and three part ratios |  |  |  |
| I can simplify ratios involving different units |  |  |  |
| I can write ratios in the form 1:n and n:1 |  |  |  |
| I can divide a quantity in a given ratio |  |  |  |
| I can solve problems involving ratio and map scales |  |  |  |
| I can understand the difference between ratio and proportion |  |  |  |
| I can solve recipe problems |  |  |  |

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| **Lesson** | **Learning Focus** | **Assessment** | **Key Words** |
| **1** | Simplifying two and three part ratios (MW clip R5a and CM clip 269) | Formative assessment strategies e.g. MWBs, whole class questioning, Diagnostic Questions, SLOP time with self-assessment, Live Marking etc.  Assessment is also supported with our use of ILOs, which alternate between Basic Skills Checks one week and then a more individual ILO the following set through Mathswatch and Corbettmaths (see learning focus).  Finally every unit is assessed half termly as part of our Assessment Calendar in Mathematics. | ratio, notation, compare,  simplify |
| **2** | Simplifying ratios involving different units | ratio, simplify, unit, scale |
| **3** | Writing ratios in the form 1:n and n:1 (CM clip 271c) | ratio, simplify, unit, notation, compare |
| **4** | Dividing a quantity in a given ratio (MW clip R5b and CM clip 270) | ratio, divide, quantity, part, add, multiply |
| **5** | Solving problems involving ratio and map scales (MW clip R6 and CM clip 283) | ratio, map, scale, size |
| **6** | Using the unitary method for proportion (MW clip R4 and CM clip 225a) | proportion, unit, multiply, divide, compare |
| **7** | Solving recipe problems (CM clip 256) | proportion, unit, multiply, divide, compare, unit |