# Curriculum Sequencing Overview – Maths Year 8

| | Unit 1 | | | | | | | |
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| **Week** | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| **Date wb** | 05/09/22 | 12/09/22 | 19/09/22 | 26/09/22 | 03/10/22 | 10/10/22 | 31/10/22 | 08/11/22 |
| **Key dates** | | | | | | | | |
| **Big ideas (key concepts)** | Understanding percentages | | Fractions and percentages as operators | | Ratio | | | Revision, assessment and feedback |
| **Lesson topics sequence** | Interpret and compare a set of given fractions using the inequality symbols. Interpret and order a list of fractions and decimals. Confidently convert between the two. Understand the meaning of a percentage as a fraction out of 100. Convert between fractions, decimals, and percentages. Order a mixed list of fractions, decimals, and percentages by converting. Express a decimal greater than 1 as a percentage Express one amount as a percentage of another Express a change as a percentage | | Find a fraction of an amount Equivalence of a fraction, decimal and percentage multipliers Find a percentage of an amount without a calculator Find the percentage of an amount with a calculator Calculate a percentage increase and decrease by adding or subtracting. Use a single multiplier to perform a percentage increase or decrease Solve reverse percentage problems | | Identify factors of a number and the HCF of given numbers Understand what a ratio is and express parts of a whole as a ratio Find equivalent ratios (with two (or more) parts) Simplify a given ratio (with two parts and with multiple parts) State a unit ratio 1:n or n:1 Divide a total in a given ratio. Sharing in a ratio when given one part Sharing in a ratio when a difference is given Can convert between ratios and fractions Find parts when two linked ratios are given Solve problems involving fractions, percentages and ratios | | | |
| **Key assessments** | | | | | | | | Unit 1 KA End of unit assessment |
| **Homework** | 1-page self-quizzing, unit 1 Understanding percentages 1 – 7 Hegarty task 73 | 1-page self-quizzing, unit 1 Inequalities 1 – 5 Hegarty task 97 | 1-page self-quizzing, unit 1 Converting fractions, decimals and | 1-page self-quizzing, unit 1 Converting fractions, decimals | 1-page self-quizzing, unit 1 Calculating percentages 1 – 6 Hegarty task 329 | 1-page self-quizzing, unit 1 Calculating percentages 4 – 8 | 1-page self-quizzing, unit 1 Ratio 1 – 6 Hegarty task 331 | 1-page self-quizzing, unit 1 Converting Fractions |

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| | | | percentages 1 – 6 Hegarty task 84 | and percentages 7 – 12 Hegarty task 90 | | Hegarty task 328 | | decimals and percentages 1 – 6 Hegarty task 332 |
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