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| **Unit N4**  **Percentages** | | **Year 8 Road Map** | | | | |
| In this unit you will learn about Sequences  **S**: Support  **C**: Core  **E**: Extension | | | | | | |
| **S/N** | **Differentiation** | **Learning Goals/Outcomes/Content** | **Mathswatch Clip** | **R** | **A** | **G** |
| 1 | S C E | Express part as percentage of the whole | N39a |  |  |  |
| 2 | S | Work out 10,%, 20%, 30% 40%, 50% etc of amount | N24a  40 |  |  |  |
| 3 | S C | Work out 5%. 15%, 35%, 95% etc of amounts without a calculator | 40  86 & 87 |  |  |  |
| 4 | S C E | Work out any percentage of amount | N24b |  |  |  |
| 5 | S C E | Calculate percentage increase and decrease | R9a  108 |  |  |  |
| 6 | S C E | Know how to calculate the multiplier | R9b  86&88 |  |  |  |
| 7 | S C E | Calculate repeated percentage change using multiplier approach or any appropriate method | 109 |  |  |  |
| 8 | C E | Distinguish between simple and compound interest | R7 |  |  |  |
| 9 | E | Calculate amount and or interest from compound and simple interest calculations | 111  164 |  |  |  |
| 10 | E | Use the concept of multiplier to solve problems involving growth and decay | R9b |  |  |  |
| 11 | S C E | Solve everyday problems involving percentages | 110 |  |  |  |

Student’s comments or questions