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| **Unit A3**  **Equations and inequalities** | **Year 8 Road Map** | | | |
| In this unit you will learn about algebra.  **S**: Support  **C**: Core  **E**: Extension |  | | | |
| **Differentiation** | **Learning Goals/Outcomes/Content** |  |  |  |
| S | Solve equations involving adding or subtracting terms (A2.3, A3.2, A3.4, A4.4, A5.2, A6.1) |  |  |  |
| S | Solving equations involving multiplying and dividing. A3.2, A3.4, A4.4, A5.2, A6.1) |  |  |  |
| S C | Solve linear equations with unknown on one side, combining adding or subtracting and multiplying (A3.4, A4.4, A5.2, A6.1) |  |  |  |
| C E | Solve linear equations with unknown on both sides (A4.4, A5.2, A6.1) |  |  |  |
| C E | Solve equations involving brackets and fraction (A2.3, A4.4, A5.2, A6.1). |  |  |  |
| S C E | Form and solve equations and interpret their answers correctly. |  |  |  |
| S C E | Interpret the symbols of inequality correctly and use them to draw a number-lines |  |  |  |
| C E | List all possible solutions of a given inequality(ies) |  |  |  |
| C E | Solve inequalities and represent the solutions in a number line |  |  |  |
| S C E | Solve variety of unstructured problems involving equations and inequalities |  |  |  |