**7(3) NUMBER into ALGEBRA**

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| **Title** | Expanding and Factorising |
| **Hours** | 1 |
| **Aims** | * Collecting like terms * Expanding brackets * Factorising |
| **Pedagogy** | * Fluency |
| **Activity**  **(details)** | Starter  Show pupils the compound shape and ask them if they can write an expression for the perimeter. Collect ideas from the groups to share with the class. The discuss what x would be if the perimeter was 56.  Main Activity  Ask pupils to RAG rate the 12 sets of questions but explain that they should not attempt to answer them at this point.  Use the mini whiteboard activity to provide opportunities for pupils to share explanations of expanding with the class. This should also be used as an opportunity to identify and address misconceptions.  Pupils should then be answer the sets of questions, starting with the ones that they rated amber at the start of the lesson. (The mini whiteboard activity should have provided them with enough explanation to attempt these now.) Check to see if any pupils are starting on the factorising questions and offer them help first.  Plenary  Think / pair /share  Pupils to identify and correct the errors and answer the ‘convince me’ questions. |
| **>H** | **Pupils to faactorise and quadratic expressions.** |
| **H** | Pupils to factorise and expand single brackets. |
| **M** | **Pupils to expand single brackets with positive and negative terms.** |
| **L** | **Pupils to expand single brackets with positive terms.** |
| **<L** | Be to collect like terms and simplify. |