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| **Topic/Skill** | **Definition/Tips** | **Example**  **Topic: Equations and Formulae** |
| 1. Solve | To find the **answer**/value of something  **Use inverse operations** on both sides of the equation (balancing method) until you find the value for the letter. | Solve  Add 3 on both sides  Divide by 2 on both sides |
| 2. Inverse | **Opposite** | The inverse of addition is subtraction.  The inverse of multiplication is division. |
| 3. Rearranging Formulae | **Use inverse operations** on both sides of the formula (balancing method) until you find the expression for the letter. | Make x the subject of  Multiply both sides by z  Add 1 to both sides  Divide by 2 on both sides  We now have x as the subject. |
| 4. Writing Formulae | **Substitute letters for words** in the question. | Bob charges £3 per window and a £5 call out charge.  Where N=number of windows and C=cost |
| 5. Substitution | **Replace letters with numbers**.  Be careful of . You need to square first, then multiply by 5. | Find:  1.  2.  3. |

**Knowledge Organiser**