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| **Solve the following simultaneous equations.**    **Explain how you can check your answers.** | **Solve the following inequality.**    **List all the integer values that satisfy the inequality** | **Use the quadratic formula to solve**    **Now sketch the graph.** | **28 matches are needed to make the 3 cubes below**    **How many would be needed for 5 cubes?**  **Find the nth term.** |
| Use the table below to draw the graph of y = 5 – x2 | **Find the midpoint of the following coordinates.** | **Use trial and improvement to find the solution to the following to 1dp:** | **Find the equation for the following.**  **Can you write down the equation of the line parallel to this which passes through (0,-3)** |
| **Simplify the following:**   1. 5a + 2b + 3a – 5b 2. 3mn + 2mn – 8mn 3. 2n x n x n 4. 4m x 3q | **Factorise the following:** | **Work out the value of a and b.**    **Now work out the perimeter.** | **Solve the following equations:** |