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| **Literacy**  expression, equation, brackets, expand, factorise. | **Research**  **Algebraic Manipulation Homework**  Research the French mathematician François Viète and his contributions to algebra. | **Memory** | | |
| **Skills**   1. Expand the following brackets: 2. b) c) 3. Write an expression for the perimeter of this shape.      1. Expand and simplify 2. Expand the following pairs of brackets. 3. b) c) 4. Solve the two equations below 5. b) c) | | | **Stretch**  Go to [www.wolframalpha.com](http://www.wolframalpha.com) and type in the search box “solve x-2=3”. How many solutions do you have? Now type “solve x^2+x-6=0”. How many solutions do you have this time? Finally type “solve x^3-x^2-14x+24=0”, how many solutions do you have?  What do you notice about the number of solutions and the highest power of x in the equations?  How many solutions do you think = 0 |