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| **Achievement Standard 1.2 - Algebra** | | | |
| Apply algebraic methods 4 credits External | | | |
| **Achievement:** | **I can** | **Gamma** | **Nulake** |
| simplify like terms including polynomials | 1.03 | 3 |
| simplify exponents including simple powers | 1.01, 1.02 | 6, 8 |
| solve 1 step exponent equations eg. |  | 11 |
| solve simple linear equations eg. | 4.01-4.07 | 17, 18 |
| solve simple linear inequalities | 4.13-4.15 | 20 |
| expand 1 and 2 bracket expressions | 2.01-2.05 | 23, 24 |
| substitute to evaluate expressions | 3.01 | 26 |
| factorise 1 and simple 2 bracket expressions (a = 1) including difference of two squares and perfect squares and common factors (a ≠ 1) | 2.06-2.10 | 31,32,34 |
| solve quadratic equations by factorising | 5.01-5.02 | 36 |
| simplify rational expression eg. |  | 40 |
| solve simple simultaneous equations | 6.01-6.07 | 47, 44 |
| **Merit:** | **I can** | **Gamma** | **Nulake** |
| simplify like terms including fractional and negative indices |  | 4 |
| simplify more complex exponent problems |  | 6, 8, 9 |
| solve 2 step exponent equations |  | 11 |
| solve algebraic fractions | 4.09-4.10 | 14 |
| solve more complex linear equations including fractions | 4.08-4.10 | 18 |
| solve more complex linear inequalities | 4.15 | 21 |
| use expansion in context |  | 24 |
| rearrange formula including in context | 3.04-3.05 | 26, 27 |
| factorising quadratics (a ≠ 1) | 2.10 | 34 |
| solve quadratic equations by rearranging and factorising | 5.03-5.05 | 37 |
| simplify more complex rational expressions eg. | 7.01-7.05 | 40, 41 |
| solve more complex simultaneous equations | 6.08-6.09 | 47,48, 44,45 |
| solve algebra problems in a practical context |  | 50 - 58 |
| **Excellence:** | **I can** | **Gamma** | **Nulake** |
| simplify like terms with variables as exponents |  | 4 |
| simplify algebraic fractions |  | 14 |
| simplify exponents with variables as exponents |  | 9 |
| solve more complex exponent equations |  | 11 |
| form an equation and rearrange |  | 28 |
| solve more complex algebra problems in a practical context |  | 50 - 58 |