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| Learner stage | What I should know, understand, be able to explain or do |
| Exceptional Mastery (E) | I can use negative and fractional indices.  I can rationalise a denominator.  I can change the subject of a complex formula.  I can solve problems by finding a variable that is not the subject of a formula.  I can use factorisation to make a given letter the subject of a formula.  I can solve complex inequalities and represent them on a number line.  I can change algebraic fractions to equivalent fractions. |
| Advancing mastery (A) | I understand the difference between rational and irrational numbers.  I can simplify surds.  I can calculate with numbers in standard form.  I can represent inequalities on a number line.  I can demonstrate what occurs to an inequality when using a negative multiplier.  I can use index laws involving negative and fractional powers.  I can factorise a quadratic expression where the coefficient of a is greater than 1. |
| Secure mastery (S) | I can understand surd notation on a calculator.  I can write numbers in standard form.  I can round to a given number of significant figures.  I can estimate answers to calculations.  I can use index laws involving positive powers.  I can recognise 2-digit prime numbers.  I can find the HCF and LCM of two numbers using prime factor decomposition.  I can multiply out double brackets.  I can factorise a quadratic expression. |
| Developing mastery (D) | I can round to a given number of decimal places.  I can identify square and cube numbers and their corresponding roots.  I can multiply and divide decimal numbers.  I can identify factors and multiples of numbers.  I can multiply out single brackets.  I can factorise a simple expression.  I can substitute into algebraic expressions. |
| Foundation mastery (F) | I know and can apply the correct order of operations.  I can recognise factors of algebraic expressions.  I can write and simplify expressions |