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|  Year 7Learner stage | What I should know, understand, be able to explain or do in year 7 Autumn Term |
| Exceptional Mastery (E) | I can draw a line of best fit and use it to estimate values.I can use factorising to work out square roots and cube roots.I can understand how to reduce bias in sampling and questionnaires.I can create a formulae that matches a situationI can add, subtract, multiply and divide with algebraic fractions |
| Advancing mastery (A) | I can identify sources of primary and secondary data.I can choose the most appropriate average for a set of data.I can draw and interpret grouped frequency diagrams.I can draw and interpret pie charts.I can factorise an algebraic expression.I can add, subtract, multiply and divide with mixed numbers |
| Secure mastery (S) | I can interpret and draw dual bar charts and compound bar charts.I can find the mode, median, mean and range for a set of data.I can recognise when a graph is misleading.I can understand the difference between multiples, factors and primes.I can find the HCF and LCM of two numbers.I can substitute into formulae.I can calculate with squares and square roots.I can add, subtract, multiply and divide with fractions.I can recognise multiples.I can simplify expressions.I can understand the priority of operations.I can substitute numbers into multi-stage formulae |
| Developing mastery (D) | I can find the mode of a set of data.I can find the modal class of a set of data.I can find the range and median of a set of data.I can multiply and divide by 10, 100 and 1000.I can use simple negative numbers.I can continue a sequence.I can read information from real-life graphs. I can identify prime numbers.I can substitute positive integers into simple formulae written in symbols. |
| Foundation mastery (F) | I can add numbers together in different ways.I can round to the nearest 10.I can find outputs of simple functions.I can substitute positive integers into simple formulae written in words.I can recognise multiples of 2, 5, 10 and 25. |