



# Key Stage 3 progress grid

**Subject** Mathematics **Year** 9

**Topic / skill area** Co-ordinates and graphs

Trajectory	I am able to.....
T9, T8	<input type="checkbox"/> Compare the size of quantities expressed in standard form <input type="checkbox"/> Prove algebraically whether a set of coordinates fall on a line <input type="checkbox"/> Prove whether quantities are in direct proportion <input type="checkbox"/> Justify my answers with mathematical evidence <input type="checkbox"/> Identify the most efficient method to solve a problem
T7	<input type="checkbox"/> Perform corrections in standard form <input type="checkbox"/> Apply the unitary method to perform calculations with inverse proportion <input type="checkbox"/> Identify the skills required to solve a word based problem <input type="checkbox"/> Know when to use inverse operations
T6	<input type="checkbox"/> Identify graphically whether a set of coordinates fall on a line <input type="checkbox"/> Express small numbers in standard form <input type="checkbox"/> Apply the unitary method to find missing quantities in direct proportion problems <input type="checkbox"/> Plot graphs of direct proportion <input type="checkbox"/> Select an appropriate method to solve a problem
T5, T4	<input type="checkbox"/> Express large numbers in standard form <input type="checkbox"/> Use the unitary method to find the value of 1 in direct proportion problems <input type="checkbox"/> Generate a table of values and use it to plot a straight line <input type="checkbox"/> Show working in a clear and structured way
T3	<input type="checkbox"/> Generate sets of coordinates given an equation and a table of values <input type="checkbox"/> Use coordinates to plot a straight line graph <input type="checkbox"/> Use trial and improvement to find a solution to a problem
T2, T1	<input type="checkbox"/> Plot coordinates in 4 quadrants <input type="checkbox"/> Use a formal written method to multiply and divide

