Ladder 14

I can recognise the information that I need to solve a range of problems or investigations with several steps.
I check and correct my results as I am working to see if they are sensible.
I use symbols, words and diagrams to organise my work systematically and give a conclusion.
I can identify complex patterns, make generalisations and explain my reasoning.
I can multiply and divide whole numbers and decimals by 10, 100 and 1000.
I can round decimals to the nearest decimal place.
I can understand and use multiplication to find simple ratios.
I can use inverse operations to solve problems.
I can add and subtract numbers that do not have the same number of decimal places.
I can use a written method to multiply and divide any 3-digit number by any 2-digit number.
I can use rounding to check my solutions to problems are sensible.
I can use formulae such as 'n – 2' by substituting numbers into them.
I can use a wide range of properties to classify and draw parallelograms and trapeziums on a grid.
I can calculate the 'missing' angles in triangles when only one other angle is given.
I can measure perpendicular distances to reflect shapes without a grid and recognise the order of rotation symmetry. I can rotate shapes about a vertex through 90˚ or 180˚.
I can visualise where patterns drawn on a 3-D shape will appear on its net.
When drawing shapes, I can measure and draw reflex angles to 2 degrees when neither edge is vertical/horizontal.
I can solve problems involving conversion between metric measures.
I can use what I know about areas and perimeter to find the length of a rectangle given its perimeter and width.
I can calculate any time interval using clocks and timetables.
I can ask questions, plan how to answer them, collect the data I need and review whether different outcomes might be found if an investigation is

repeated.
I can create and interpret line graphs where the intermediate values have meaning.
I can complete, interpret and draw conclusions from graphs and diagrams such as a two-way table, bar graphs with grouped data, simple pie charts.