What progress am I making in Maths?
How can I get better in Maths and progress to the next level?

Year 7	<u>Acquiring</u>	<u>Developing</u>	<u>Securing</u>	<u>Consolidating</u>	<u>Extending</u>
Number	I can use the four operations without a calculator I can count through zero using negative numbers I can multiply whole numbers by 10, 100, 1000… I can complete fact families.	I can identify prime numbers, factors, multiples and square numbers. I can multiply and divide numbers by 10, 100, 1000… when decimals are involved. I can use the order of operations (BIDMAS, BODMAS) I can round to the nearest 10, 100, 1000	I can find LCM and HCF I can recognise cube numbers I can use the four operations for negative numbers I can round to 1dp, 2dp	I can express any number as a product of its prime factors I can multiply decimals I can round to 1 sf, 2sf I can order fractions, decimals and percentages by converting	I can recognise triangular numbers I can divide by decimals I can estimate by rounding to 1sf I can find error intervals and bounds
Algebra	I can collect like terms with positive values I can find and plot coordinates I can find an output when given an input I can solve a one-step equation	I can collect like terms with negative values I can substitute positive values I can simplify expressions by multiplying terms I can find an input when given an output I can solve a two-step equation	I can substitute negative values I can simplify expressions by dividing I can put algebra in to a single step function machine I can create an algebraic expression from words I can expand single brackets I can solve an equation with a bracket	I can substitute into formulae with powers I can complete a table of values I can identify the line y=x I can create an expression using a function machine I can create an algebraic expression using angle rules I can factorise into a single bracket I can solve an equation with a bracket	I can rearrange formulae I can plot a straight-line graph I can identify horizontal and vertical line equations I can use a function machine in reverse to find an expression I can expand a double bracket I can solve an equation with the unknown on both sides
Shape, Space & Measure	I can find the perimeter I can find the area of a square and a rectangle I can find a missing angle in a triangle	I can find the area of a triangle and a parallelogram I can convert units of length I can use a ruler accurately	I can convert units of capacity and mass I can use a protractor and compass accurately I can find the missing	I can convert between metric and imperial I can find the surface area of a cuboid I can find the volume of a	I can prove the angles in a triangle add up to 180 I can identify vertically opposite angles I can find the surface area

	I can find lines of symmetry I know the names of 2D shapes (3 sided to 10 sided)	I can find rotational symmetry I know the names of all the quadrilaterals, all the triangles, and 3D shapes	angle in a quadrilateral, on a straight line and around a point I can reflect shapes and translate shapes I can define faces, vertices and edges	prism I can find the area of a compound shape I can enlarge shapes and rotate shapes	of a prism I can enlarge shapes from a centre of enlargement
Probability & Statistics	I can represent probability as a fraction I can find the mode and range I can interpret bar charts and pictograms	I can find the median and mean I can draw a bar chart and pictogram	I can understand and create frequency tables I can construct and interpret line graphs	I can find the mode and range from a frequency table I can construct a pie chart I can compare data sets using the mean and the range	I can find the mean and median from a frequency table I can use an appropriate graph to represent data I know types of data
Ratio and Proportion	I can find a fraction of an amount when the numerator is one I can find equivalent fractions I can shade a fraction of a shape I can tell the time	I can find any fraction of any amount I can add and subtract fractions I can simplify fractions I can represent a picture as a ratio	I can convert between mixed numbers and improper fractions I can multiply and divide fractions I can simplify ratios I can add time	I can order fractions, decimals and percentages by converting I can share an amount in to a given ratio	I can find amounts when given a ratio and one part I can calculate with mixed numbers