



Number

Topics	Red	Amber	Green
I can find primes, factors and multiples			
I can find the highest common factor and lowest common multiple of numbers			
I can complete calculations involving + - x and ÷			
I can use a calculator in calculations			
I can convert between fractions, decimals and percentages			
I can calculate fractions of amounts			
I can round numbers to powers of 10, decimal places and significant figures			
I can find squares, square roots, cubes and cube roots of numbers			
I can change between standard form and ordinary numbers			
I can answer problems involving standard form			

Ratio and proportion

Topics	Red	Amber	Green
I can share amounts into a ratio			
I can find quantities in a ratio when given one ratio or the difference			
I can find percentages of amounts with and without a calculator			
I can increase/decrease numbers by a percentage and calculate percentage change			
I can calculate simple interest, compound interest and depreciation			
I can calculate conversions and use conversion graphs			
I can solve problems involving proportion			
I can use exchange rates to calculate currency conversions			



Topics	Red	Amber	Green
I can simplify algebraic expressions			
I can simplify with indice			
I can substitute numbers into algebraic expressions			
I can change the subject of a formula			
I can expand a single bracket			
I can factorise an expression into a single bracket			
I can factorise quadratics into double brackets			
I can solve inequalities			
I can plot and read coordinates in all 4 quadrants			
I can draw straight line graphs			
I can use a function machine to find the input and the output			
I can solve linear equations			
I can form and solve linear equations			
I can find the next term and nth term of linear sequences			
I can find the next term in geometric sequences and special sequences			

Geometry

Topics	Red	Amber	Green
I can find missing angles on a straight line, around a point, in triangles and in quadrilaterals			
I can find missing angles in parallel lines			
I can answer problems where I have to use Pythagoras theorem			
I can find missing sides of a triangle using trigonometry			
I know the properties of 2D and 3D shapes			
I can measure lines accurately			
I can find the area and perimeters of shapes including trapeziums			
I can find the circumference of circles			
I can find the volumes of cubes and cuboids			
I can find the surface areas of cylinders			



Probability

Topics	Red	Amber	Green
I can calculate the probability of an event happening			

Statistics

Topics	Red	Amber	Green
I can draw and interpret bar charts			
I can represent information in a two way table			
I can use and interpret cumulative frequency graphs			