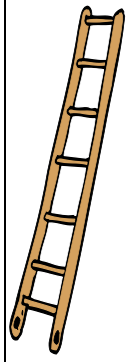
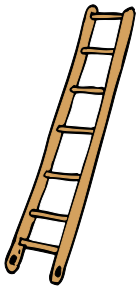
My Maths Targets

	Algebra	Number and the Number System	Calculating
Level 5 	• I can use simple formula involving two operations and can use symbols. e.g. a + 5 = 10 • I can use and interpret co-ordinates in all four quadrants.	• I can use place value to multiply and divide whole numbers by 10, 100 and 1000 and I can explain what is happening. • I can round decimals to the nearest decimal place. • I can order negative numbers. • I can recognise and use number patterns and relationships. • I can use equivalent fractions. • I can convert fractions, decimals and percentages. • I can order fractions and decimals including fractions with different denominators and decimals that have a mixture of decimal places. • I can write a fraction in its simplest form by using common factors. • I understand simple ratio.	• I can use known facts, operations and brackets to carry out calculations that include all four operations and decimals to two places. • I can give mental estimates using approximations. • I can use a calculator to calculate fractions and percentages of quantities and measurements • I can use non calculator methods to multiply or divide three digit numbers by two digit numbers • I can solve problems that require ordering, adding and subtracting negative numbers. • I can solve simple ratio and proportion problems. • I can check my answers by using the inverse operation and estimates.

	Using and Applying Mathematics	Shape, Space and Measure	Handling Data
Level 5 	• I can identify key information needed to solve a problem. • I can check my answers, deciding if they are reasonable. • I can solve word problems and carry out investigations from a range of contexts. • I can show understanding of situations by explaining them using symbols, words and diagrams. • I can give my own conclusions and explain how I got that conclusion.	• I know a wide range of properties for 2D and 3D shapes and I can show all symmetries in 2D shapes. • I know and use language linked to angles. • I can use angles in a triangle to find missing angles. • I can transform shapes (reflect, rotate and translate) • I can explain position, movement and transformations of shapes. • I can measure and draw angles to the nearest degree. • I can read and interpret a variety of scales from measuring instruments and I can explain what each division represents • I can solve problems that require me to convert units and I can give sensible estimates of measures in relation to everyday situations. • I understand the difference between area and perimeter and I know and can use the formulae for the area of a rectangle.	• I understand and can use averages (range, mean, median and mode) • I can compare two sets of data using range and averages (mean, median and mode) • I can ask questions, plan how to answer that question and collect the data needed. • I understand that we may get different results when an experiment is repeated. • I can interpret bar graphs with grouped data. • I can interpret various graphs and diagrams including pie charts and I can draw conclusions. • I can create and interpret line graphs where intermediate points have meanings. • I can use the language of probability to explain and predict outcomes. • I understand and can use a probability scale from 0 to 1.