Mathematics
Shape, Space & Measures

Name: _____

By the end of Year 3...

To understand the properties of shapes				I can **draw 2-D shapes** and **make 3-D shapes** using modelling materials.
				I can **recognise 3-D shapes** in different orientations and describe them.
				I can **recognise angles** as a property of shape or a description of a turn.
				I can **identify right angles**.
				I can recognise that **two right angles make a half turn, three make three quarters of a turn and four make a complete turn**.
				I can identify whether **angles are greater than or less than a right angle**.
				I can identify **horizontal and vertical lines** and **pairs of perpendicular and parallel lines**.
To describe position, direction and movement				I am beginning to **use the terminology for position, direction and movement to give directions**: left/right, clockwise/anticlockwise, 90°.
				I can **identify the x and y axis on a coordinate grid**.
				I am beginning to **write and plot coordinates** in the **first quadrant**.
To use measures				I can **measure, compare, add and subtract**: - **lengths/heights** (m/cm/mm) - **mass/weight** (kg/g) - **volume/capacity** (l/ml).
				I can measure the **perimeter of simple 2-D shapes**.
				I can tell and write the **time from an analogue clock**, including 24-hour and 12-hour clocks.
				I can estimate and read **time** with increasing accuracy **to the nearest minute**.
				I can record and compare **time** in terms of **seconds, minutes and hours**.
				I know the **number of seconds in a minute** and the **number of days in each month, year and leap year**.
				I can compare **durations of events**.
				I can **add and subtract amounts of money to give change** (£ and p).
To use statistics				I can **interpret and present data** using bar charts, pictograms, tally charts and tables.
				I can **solve one-step and two-step questions** (e.g. 'How many more?' and 'How many fewer?') using information presented in scaled bar charts, pictograms and tables.
To use algebra				I can **solve simple missing numbers problems involving addition, subtraction, multiplication and division**. E.g. 146= a +16; Rapunzel's hair is 8 times the height of Sally's (20cm). R= 8(20cm).