



Year 8

Term 4

Stage	Description		
	Section A Prerequisites	Section B Fractions and Percentages	Section C Number sense
Emerging	Can convert metric units of length, weight and capacity.	- Can find the perimeter of a shape. - Can find the area of a shape by counting squares. - Can find the area of a shape with given lengths.	- Can link area with volume with representations. - Understand that volume is the 3 dimensional capacity of an object. - Can find the volume of an object.
Developing	- Can convert and compare fractions, decimals and percentages. - Can find a fraction of an amount. - Can find a percentage of an amount. - Can convert decimals & percentage over 100%. - Can round to the nearest 10, 100, 1000 and to significant figures. - Understand time and calendars including conversions of time. - Can convert metric units. - Can multiply by 10, 100 and 1000.	- Can give a percentage or fractional multiplier to increase or decrease an amount. - Can use bar models to represent percentage decrease.	- Can round to a given number of decimal places. - Can use estimation to calculate an approximate answer. - Applied estimation problems - Applied time problems - Understand positive powers of 10, linking with laws of indices. - Understand the impact of negative powers of 10, linking with their equivalent fractions.
Secure		- Can use a single multiplier to increase or decrease an amount. - Can express one amount as a percentage of another. - Find % change when given two amounts.	- Can write a number in standard form greater than 1. - Can write a number in standard form less than 1. - Can order numbers in standard form.
Excellence		- Can solve complex problems, including finding original amounts from given values. - Can find percentage increase and decrease, justifying	- Can apply addition and subtraction on standard form. - Can solve complex problems including find error intervals, area/volume conversions and negative indices.

