

Progress Page: Year 8 Spring 2:

Developing Number

Working Towards		Expected Standard		Reaching Greater Depth	
Topic	To achieve 'Expected Standard' you will be able to....	WT	ES	Sparx code	
Fractions and Percentages	Convert between decimals and percentages more than 1/100%			M264	
	Percentage decrease with a multiplier			M533	
	Calculate percentage increase and decrease using a multiplier			M533	
	Express a number as a fraction / percentage of another (non-calc)			M939 and M264	
	Express a number as a fraction / percentage of another (calc)			M939 and M264	
	Work with Percentage change			U278	
	Choose Appropriate Methods to solve percentage problems			M905	
Standard Index Form	Work with numbers greater than 1 in standard form			M719 and M678	
	Investigate negative powers of 10			M719 and M678	
	Work with numbers between 0 and 1 in standard form			M719 and M678	
	Compare and order numbers in standard form			M719 and M678	
	Add and subtract numbers in standard form			U290	
	Multiply and divide numbers in standard form			U264	
	Use a calculator to work with numbers in standard form			U161	
Number Sense	Round numbers to powers of 10, and 1 significant figure			M111, M131 and M994	
	Round numbers to a given number of decimal places			M431	
	Estimate the answer to a calculation			M878	
	Calculate using the order of operations			M521, M521 and M521	
	Calculate metric measures of length, weight, and capacity			M772 and M761	
	To achieve 'Greater Depth' you will be able to...	GD			
%	Find the original amount given the percentage			M528	
NS	Convert metric units of area and volume			M728	



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In this topic, you will learn how to calculate with percentages and apply this knowledge to real world problems. You will learn how to use standard form to easily compare and calculate with big and small numbers, before putting all your number knowledge together to convert and solve problems!

