


Subject	Year	Month	
Mathematics	10	January	
Topic:			
Percentages (revision – taught in year 9)			4 lessons
Content (Intent)			
Prior Learning Year 9 GCSE Percentages June		Future Learning	
Objectives <ul style="list-style-type: none"> Express a given number as a percentage of another number; Find a percentage of a quantity without a calculator: 50%, 25% and multiples of 10% and 5%; Find a percentage of a quantity or measurement (use measurements they should know from Key Stage 3 only); Calculate amount of increase/decrease; Use percentages to solve problems, including comparisons of two quantities using percentages; Percentages over 100%; Use percentages in real-life situations, including percentages greater than 100%; Price after VAT (not price before VAT); Value of profit or loss; Simple interest; Income tax calculations; Use decimals to find quantities; Find a percentage of a quantity, including using a multiplier; Use a multiplier to increase or decrease by a percentage in any scenario where percentages are used and to find an original amount (reverse percentages) Understand the multiplicative nature of percentages as operators. 			
Pedagogical notes (implementation)		How will understanding be assessed & recorded (Impact)	
<p>When finding a percentage of a quantity or measurement, use only measurements they should know from Key Stage 3. Amounts of money should always be rounded to the nearest penny. Use real-life examples where possible.</p> <p>Emphasise the importance of being able to convert between decimals and percentages and the use of decimal multipliers to make calculations easier.</p>		End of half term Feb End of Year Year 10 exams in April	
		How can parents help at home?	
		MathsWatch clips Qualification KS3: N24ab, N32, N39ab, R7, R9ab, R12 Qualification KS4: 40, 86, 87, 88, 89, 108, 109, 110, 111, 164	
Further reading/discussion			
Reading / Enrichment http://passyworldofmathematics.com/olympic-games-mathematics/		Literacy	Numeracy Links
		Careers Links Accounting & Finance Market Trader, Auctioneer Sports Coach, Retail Careers Basic numeracy reqd for all careers	