

NAME		TEACHER				
My GCSE Target Grade is		End of Cycle Teacher Assessment Please circle				
		SAE	AE	E	BE	SBE
End of unit assessment type		Your end of topic assessment will be a written exam.				

YEAR 10 HIGHER CYCLE 2: PROPORTION & PROBABILITY

		Knowledge	Prior knowledge	End of topic
Ratio & Proportion	Compound Interest & Depreciation – I can find an amount after repeated percent changes and solve growth and decay problems			
	Reverse Percentages – I can calculate the original price of an item given the new amount			
	Exchange Rates – I can calculate exchange rates and decide which option is better value			
	Compound Measures – I can convert between metric speed measures and use <i>Speed = Distance / Time</i> to calculate speed and acceleration			
	Compound Measures 2 – I can use compound measures to solve problems applied to shapes (including <i>Density = Mass / Volume</i>)			
	Direct Proportion – I can use relationships involving ratio and decide whether quantities are in direct proportion and form equations using a k as a constant			
	Inverse Proportion – I can solve problems involving inverse proportion using k as a constant of proportionality			
	Recurring Decimals – I can work with recurring decimals and use an algebraic method to convert recurring decimals to fractions (including proof)			
Probability	Probability Trees – I can draw and use frequency trees and use probability tree diagrams			
	Conditional Probability – I can decide if to events are independent & draw and use tree diagrams to calculate conditional probability (with and without replacement)			
	Two Way Tables – I can use two way tables to calculate conditional probability			
	Set Notation – I understand and can use set notation when listing components of multiple sets			
	Venn Diagrams – I can interpret and draw Venn diagrams with 2 or more sets and use to calculate conditional probability			

LEARNING TOOLS

KEY CONCEPTS	Exchange Rates	Used to calculate changes in currency. Which currency is the most valuable and why?			
	Answer here:				
KEY WORDS		Proportion	Depreciation	Recurring	
KEY EQUATION	Pressure = F _____ / A _____				