a) The market value of a house increases by 30%, before the market value then falls by 25%. What is the overall percentage change to the market value of the house?		b) Over the space of two years, the price of a drink increases by 20%, and then increases by 10%. What is the overall percentage change on the price of the drink?	
How can we apply the first change?	To increase by 30%, multiply by 1.3	How can we apply the first change?	To increase by 20%, multiply by 1.2
How can we then apply the second change?	To decrease by 25%, multiply by 0.75	How can we then apply the second change?	To increase by 10%, multiply by 1.1
Can this calculation be simplified?	$x \times 1.3 \times 0.75 = x \times 0.975$	Can this calculation be simplified?	
What is the overall percentage change?	When multiplying by 0.975, this is equivalent to a decrease of 2.5%.	What is the overall percentage change?	
c) Over the space of two years, the share price of a company decreases by 5% one year, and then increases by 5% over the following year. What is the overall percentage change on the share price of the company?		d) In the beginning of 2020, Chris got a new job. At the beginning of 2021, Chris received a pay rise of 12%. At the beginning of 2022, Chris received another pay rise of 12%. What is the overall percentage change in Chris' pay between 2020 and 2022?	
How can we apply the first change?	To decrease by 5%, multiply by 0.95		
How can we then apply the second change?			
Can this calculation be simplified?			
What is the overall percentage change?			

BACKWARD FADED MATHS