Assignment Title	Index Numbers	Date set	Autumn 1	Hours	10

Summary of Unit 7		Key Words	
Know the different types of index numbers Use different index numbers in context Calculate and interpret data involving rates of change		Index numbers, weighted numbers, consumer price index, retail price index, gross domestic product, rate of change, increasing, decreasing	

Prior Knowledge

1. Convert the following decimals and fractions into percentages
   (a) 0.64
   (b) 0.12
   (c) 0.98
   (d) 0.125
   (e) $\frac{3}{4}$
   (f) $\frac{2}{5}$
 	
1. Write the percentage multiplier needed to
   (a) Find 30%
   (b) Find 64%
   (c) Find 88%
   (d) Increase by 10%
   (e) Increase by 72%
   (f) Decrease by 24%
   (g) Decrease by 2%
 	
2. Write 21 as a percentage of 42
 	
3. Write 19 as a percentage of 100
 	
4. Write 2 as a percentage of 15
 	
5. A height of a tree increases from 90cm to 110cm. Find the percentage height increase

LEARNING JOURNEY

Level	Task Description/ Learning Journey
4-5	Calculate and interpret simple index numbers Interpret retail price index (RPI), and consumer price index (CPI), and gross domestic product (GDP)
4-5	Interpret data related to rates of change over time (including, but not limited to percentage change, births, deaths, house prices, and unemployment) when given in graphical form.
5-6 (H)	Calculate and interpret weighted index numbers Calculate chain based index numbers
5-6 (H)	Calculate standardised birth and death rates