

UK Population Growth

Task A Here are the data for the UK over the past 100 years or so. Plot a time series graph of population against time.

Task B When was the population growing (i) fastest? (ii) slowest?

What do you predict the population size will be in the UK 2011 Census?

Task C Draw a graph for the numbers of males and females. Comment on the changes you notice.

Year	Total UK population (1000's)	Males (1000's)	Females (1000's)
1901	38,237	18,492	19,745
1911	42,082	20,357	21,725
1921	44,027	21,033	22,994
1931	46,038	22,060	23,978
1951	50,225	24,118	26,107
1961	52,709	25,481	27,228
1971	55,515	26,952	28,562
1981	55,848	27,104	28,744
1991	55,496	26,907	28,589
2001	58,789	28,581	30,208
2007	60,975	29,916	31,059

Extension task

If country A has a population of 30 million in 2000 and it grows by 1.5 million a year, what will be the population in n years time?

Country B also has a population of 30 million but is growing by 3.5 % each year. What will be the population of country B in n years time?

Draw a graph to show how these populations are increasing and use it to find out how long it will be before the two populations are the same size again.