

Irish Population Growth

Task A Here are the population data for Ireland 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 Irish 2016 census?

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

Year	Total population (1000's)	Males (1000's)	Females (1000's)
1906	3,180	1,589	1,522
1916	3,083	1,561	1,522
1926	2,972	1,507	1,465
1936	2,968	1,520	1,448
1946	2,955	1,495	1,460
1956	2,898	1,463	1,435
1966	2,884	1,449	1,435
1976	3,228	1,623	1,605
1986	3,541	1,770	1,771
1996	3,626	1,800	1,826
2006	4,240	2,121	2,119
2011*	4,588	2,273	2,315

**Note only 5 year gap between last two rows above*

Extension task

If country A has a population of 30 million in 2005 and it grows by 1.5 million people per year, what will be the population in n years time?

Country B also has a population of 30 million in 2005 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.