

# F-LE In The Billions and Linear Modeling

## Task

The data in the table below was taken from Wikipedia.

1804	1
1927	2
1960	3
1974	4
1987	5
1999	6
2012	7

- Based on the data in the above table, would a linear function be appropriate to model the relationship between the world population and the year? Explain how you know.
- Using only the data from 1960 onward in the above table, would a linear function be appropriate to approximate the relationship between the world population and the year? Explain how you know.

c. Based on your work in parts (a) and (b), would a linear function be appropriate to predict the world population in 2200? Explain.



F-LE In The Billions and Linear Modeling  
Typeset May 4, 2016 at 21:59:56. Licensed by Illustrative Mathematics under a  
Creative Commons Attribution-NonCommercial-ShareAlike 4.0 International License .