

Name _____

Date _____

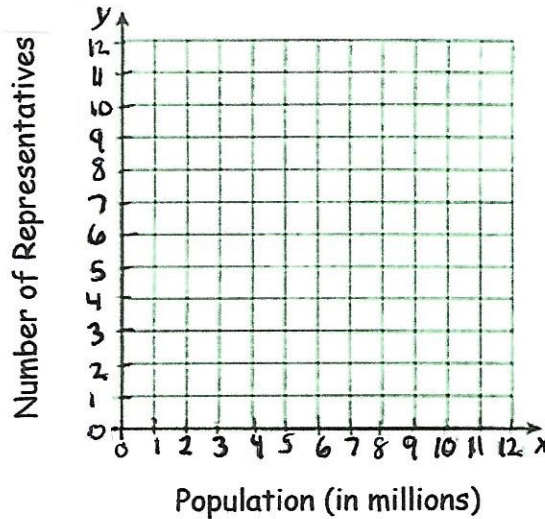
Homework

This table shows the relationship between the approximate population of ten states and the number of representatives the state has in the House of Representatives.

State Population and Representatives	
Population (millions)	Number of Representatives
4	7
2	4
3	5
1	2
2	5
5	8
4	7
7	11
6	9
4	6

Part A: Make a scatter plot for the data on the coordinate plane below.

Population vs Number of Representatives



Part B: Find the equation for the line of best fit. (Round to the nearest hundredth)

Part C: Draw your line of best fit.

Part D: Use your equation to find the number of representatives for a state that has a population of 11 million.

Part E: When you found the number of representatives for a state that has a population of 11 million in part D, were you interpolating or extrapolating?