

13 Clara used some data from the 2011 UK census to summarise information on carbon emissions due to travel to work, in two Local Authorities.
Her results are shown below.

	Method of travel to work	Individual motorised transport	Shared motorised transport	Public transport	No motorised transport	
	Carbon emissions category	High	Medium	Low	None	Total
Local Authority A	Number of workers	174 374	42 112	61 483	76 024	353 993
	Percentage of workers	49.3	11.9	17.4	21.5	100
Local Authority B	Number of workers	39 433	9944	4614	16 232	70 223
	Percentage of workers	56.2	14.2	6.6	23.1	100

(a) Clara calculated the values for the column headed “shared motorised transport” by doubling the value in the “passenger in a car or van” column of the original data set.

Explain what assumption she has made and what other adjustment would need to be made to the data to take account of this. **[2]**

(b) Clara suggests that the average carbon emissions per worker due to travelling to work is larger in region B than in region A.

(i) Use data from the table to support Clara’s suggestion. **[1]**

(ii) Use data from the table to argue against Clara’s suggestion. **[1]**