**12*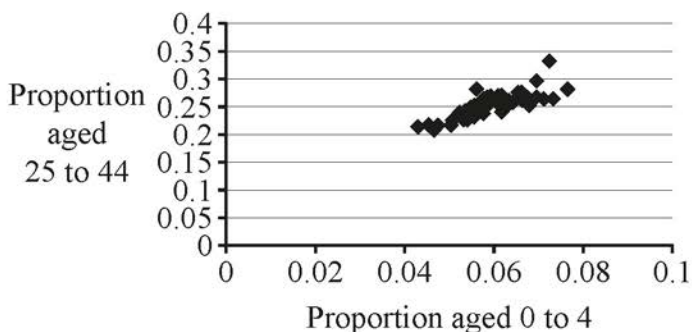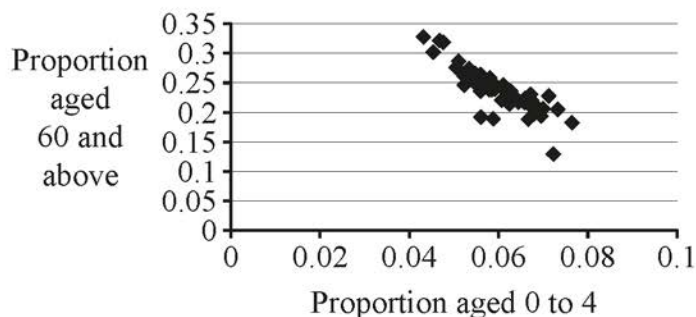* This question deals with information about the populations of Local Authorities (LAs) in the North of England, taken from the 2011 census.

Fig. 1

Proportion aged 25 to 44 / Proportion aged 0 to 4

Fig. 2

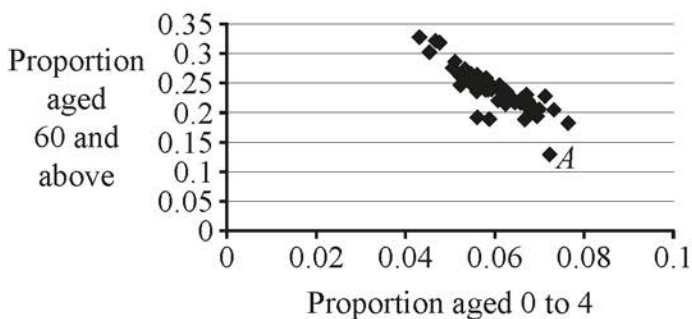Proportion aged 60 and above / Proportion aged 0 to 4

Fig. 1 and **Fig. 2** both show strong correlation, but of two different kinds.

(a) For each diagram, use a single word to describe the kind of correlation shown. **[1]**

(b) For each diagram, suggest a reason, in context, why the correlation is of the particular kind described in part **(a)**. **[2]**
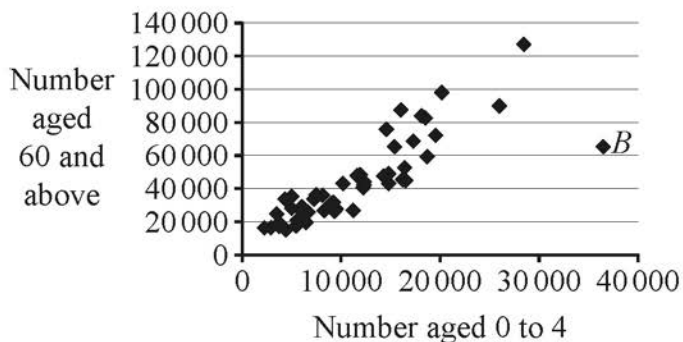
Fig. 3 is the same as **Fig. 2** but with the point A marked.
Fig. 4 shows information about the same LAs as **Fig. 2** and **Fig. 3**.

Fig. 3

Proportion aged 60 and above / Proportion aged 0 to 4

Fig. 4

Number aged 60 and above / Number aged 0 to 4

(c) Point A in **Fig. 3** and point B in **Fig. 4** represent the same LA.

Explain how you can tell that this LA has a large population. **[1]**