the frequency table in Fig. 2.1. Arm length in cm 30 -32 -33 -34 -35 -36 -37 -38 -39 -40 - 415 9 13 19 17 17 4 3 Frequency

A student measures the upper arm lengths of a sample of 97 women. The results are summarised in

Fig. 2.1

class intervals. These are shown in Fig. 2.2 opposite.

- One of these diagrams is correct and the other is incorrect.

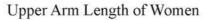
State which diagram is incorrect, justifying your answer.

(b) Use the correct diagram in Fig. 2.2 to find an estimate of the median.

[2]

[1]

The student constructs two cumulative frequency diagrams to represent the data using different



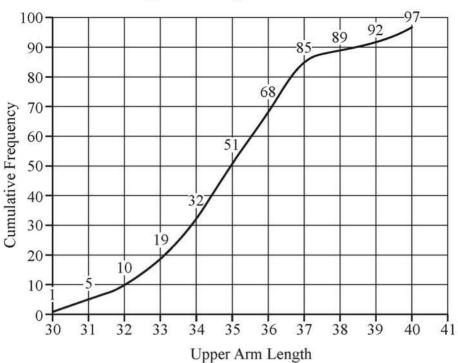


Diagram A

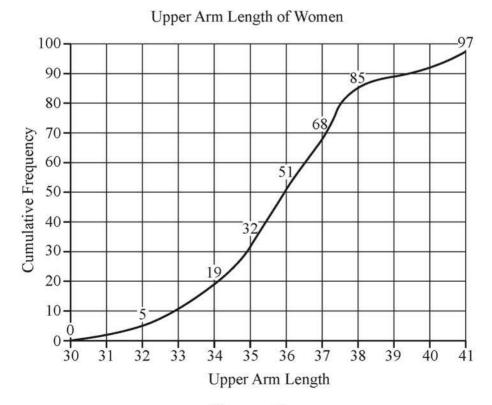


Diagram B

Fig. 2.2