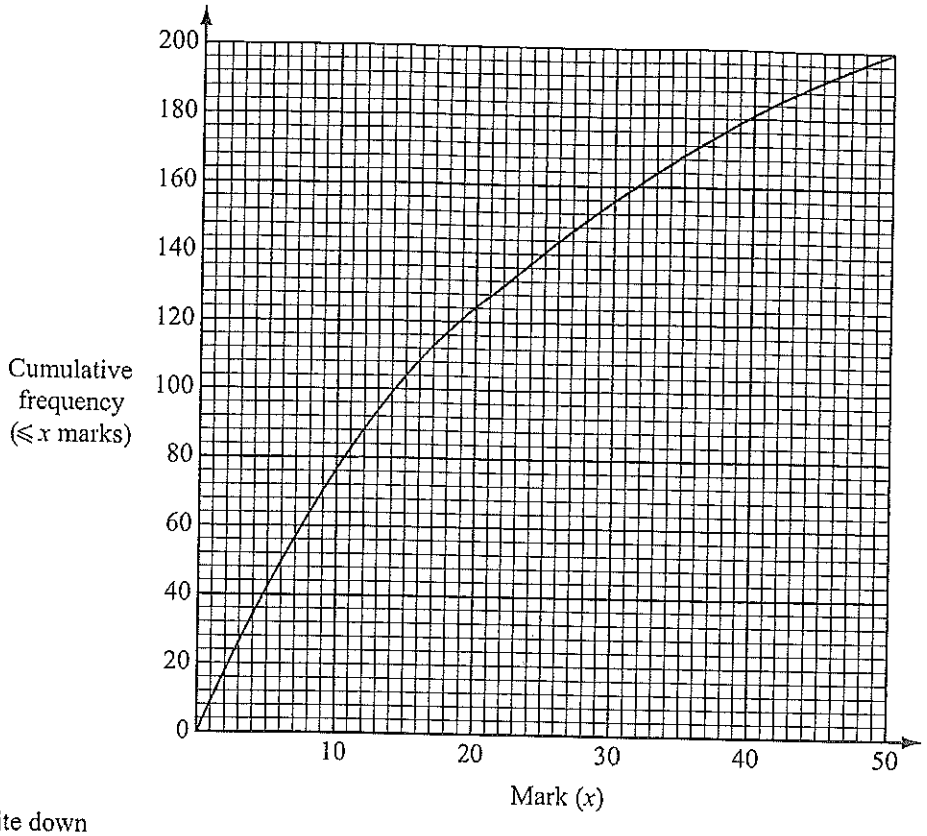
IGCSE-Est. Mean, Histograms/Cumulative Frequency-3

(b) 200 students take a mathematics test.
The cumulative frequency diagram shows the results.



Write down

(i) the median mark, [1]

(ii) the lower quartile, [1]

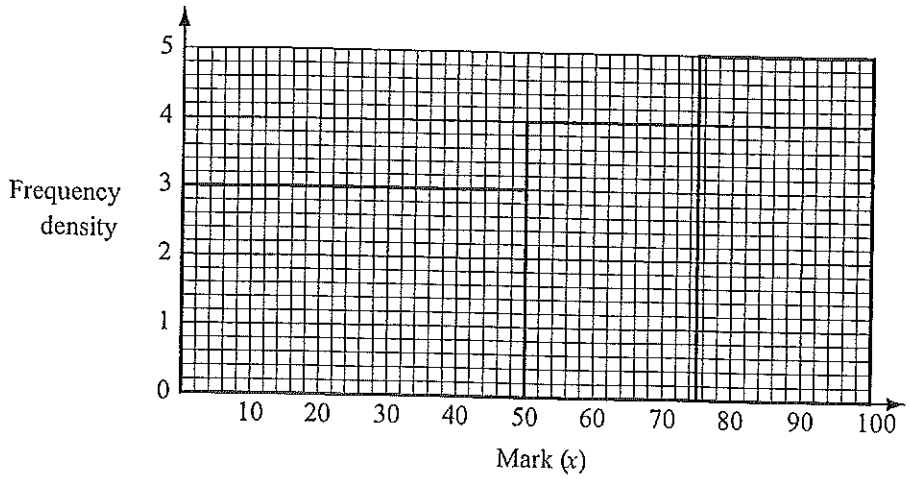
(iii) the upper quartile, [1]

(iv) the inter-quartile range, [1]

(v) the lowest possible mark scored by the top 40 students, [1]

(vi) the number of students scoring more than 25 marks. [1]

(c) Another group of students takes an English test.
The results are shown in the histogram.



100 students score marks in the range $50 < x \leqslant 75$.

(i) How many students score marks in the range $0 < x \leqslant 50$? [1]

(ii) How many students score marks in the range $75 < x \leqslant 100$? [1]

(iii) Calculate an estimate of the mean mark of this group of students. [4]