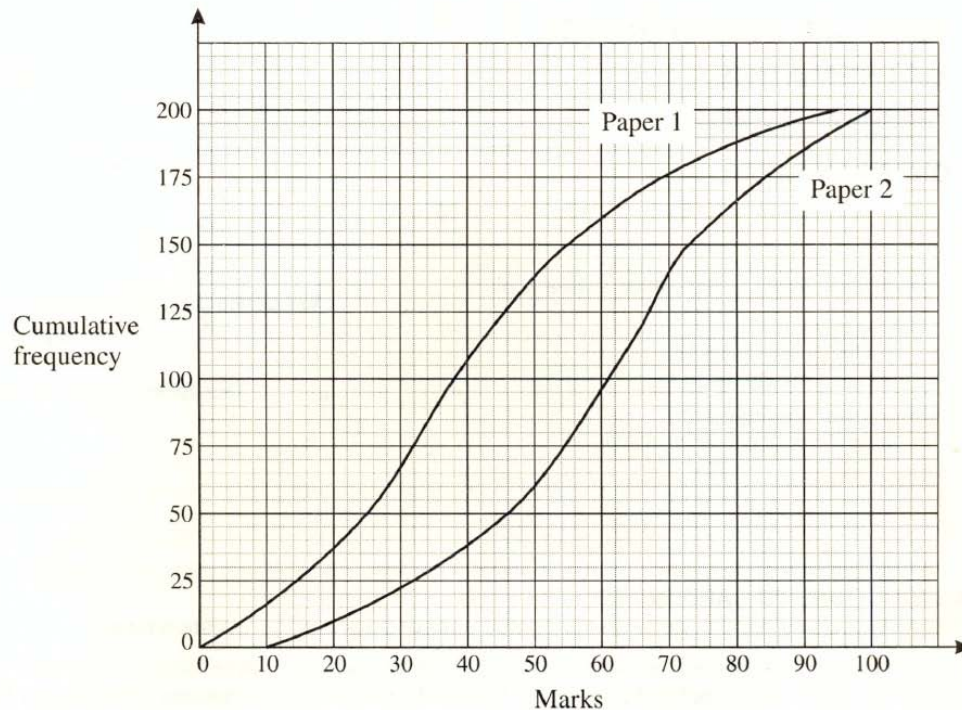


- 1 200 candidates took each of two examination papers. The diagram shows the cumulative frequency graphs for their marks.



- (i) Estimate the median mark for each of the papers. [2]
- (ii) State, with a reason, which of the two papers was the easier one. [2]
- (iii) It is suggested that the marks on Paper 2 were less varied than those on Paper 1. Use interquartile ranges to comment on this suggestion. [4]
- (iv) The minimum mark for grade A, the top grade, on Paper 1 was 10 marks lower than the minimum mark for grade A on Paper 2. Given that 25 candidates gained grade A in Paper 1, find the number of candidates who gained grade A in Paper 2. [2]
- (v) The mean and standard deviation of the marks on Paper 1 were 36.5 and 28.2 respectively. Later, a marking error was discovered and it was decided to add 1 mark to each of the 200 marks on Paper 1. State the mean and standard deviation of the new marks on Paper 1. [2]