Representing Statistical Data Revision					
(a)				(b)	(c)
The length in mm of 80 leaves is recorded in a grouped frequency table.		Complete a cumulative frequency table.		Plot a cumulative frequency graph.	(i) Find the median length.
Length <i>L</i> (mm)	Frequency	Length <i>L</i> (mm)	Cumulative Frequency	-60-	
$20 < L \leq 30$	4	$20 < L \le 30$		-50	(ii) Find the interquartile range of lengths.
$30 < L \le 40$	7	$20 < L \le 40$		-40-	
$40 < L \le 50$	15	$20 < L \le 50$			
$50 < L \le 60$	23	$20 < L \le 60$			(iii) Find an estimate for
$60 < L \le 70$	22	$20 < L \le 70$		-20	the number of leaves greater than 75 mm in
$70 < L \le 80$	9	$20 < L \le 80$			length.
			<u> </u>	0 10 20 30 40 50 60 70 80	
(a)				(b)	(c)
The areas in $m^2$ of 200 gardens are recorded in a grouped frequency table. Calculate the frequency density.				Plot a histogram.	(i) Use your histogram to estimate the number of gardens that are
Area (m <sup>2</sup> )	Frequency			-0:8	larger than $220 m^2$ .
$0 < A \leq 50$	10				
$50 < A \le 100$	25			-0:6	
$100 < A \le 200$	80			-0:4-	(ii) Use your histogram to estimate the median
$200 < A \le 300$	65			-0-2	garden size.
$300 < A \le 500$	20				
				0 100 200 300 400 500	