

STATISTICS (Q 7, PAPER 2)

LESSON NO. 2: FREQUENCY DISTRIBUTIONS

2007

- 7 (c) The age of each person living in one street was recorded during a census. The information is summarised in the following table:

Age (in years)	0 – 20	20 – 30	30 – 50	50 – 80
Number of people	16	12	32	12

- (i) How many people were living in the street?
- (ii) Using mid-interval values, calculate the mean age.
- (iii) What is the greatest number of people who could have been aged under 40 years?

1997

- 7 (a) The table shows the distribution of ages of a group of 100 people.

Age (in years)	0 – 10	10 – 20	20 – 30	30 – 50	50 – 80
Number of people	10	19	25	30	16

[Note that 10 – 20 means that 10 is included but 20 is not, etc.]

Taking 5, 15, etc. as mid-interval values, estimate the mean age of the people in the group.

ANSWERS

2007 7 (c) (i) 72 (ii) 35 (iii) 60
1997 7 (a) 32