Exercise 9A

Question 1:

Table is as given below:

Class	Frequency f_i	Class Mark x_i	f_ix_i
0-10	3	5	15
10-20	5	15	75
20-30	9	25	225
30-40	5	35	175
40-50	3	45	135
	$\Sigma f_i = 25$		$\Sigma (f_ix_i) = 625$

$\therefore$ Mean, $\bar{x} = \frac{\Sigma (f_i \times x_i)}{\Sigma f_i} = \frac{625}{25} = 25$

Question 2:

We have

Class	Frequency f_i	Mid Value x_i	f_ix_i
0-10	7	5	35
10-20	5	15	75
20-30	6	25	150
30-40	12	35	420
40-50	8	45	360
50-60	2	55	110
	$\Sigma f_i = 40$		$\Sigma f_ix_i = 1150$

$\therefore$ Mean $\bar{x} = \frac{\Sigma (f_i \times x_i)}{\Sigma f_i} = \frac{1150}{40} = 28.75$

********** END **********