



### Exercise 9A

Question 1:

Table is as given below:

Class	Frequency $f_i$	Class Mark $x_i$	$f_i x_i$
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
	$\Sigma f_i = 25$		$\Sigma (f_i x_i) = 625$

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

Question 2:

We have

Class	Frequency $f_i$	Mid Value $x_i$	$f_i x_i$
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
	$\Sigma f_i = 40$		$\Sigma f_i x_i = 1150$

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

\*\*\*\*\* END \*\*\*\*\*