

Q6 find the Median and Median Class  
of the following data?

Sl -

Class Interval	F	C.F
15-25	5	5
25-35	10	15
35-45	18	33
45-55	15	48
55-65	0	48
65-75	3	51

$$N = 51$$

$$\text{Median} = l_1 + \frac{N/2 - C.F}{f} \times i$$

$$= 35 + \frac{25.5 - 15}{18} \times 10$$

$$= 35 + \frac{10.5}{18} \times 10$$

$$= 35 + \frac{10.5}{18} \times 10$$

$$= 35 + 0.58 \times 10$$

$$= 35 + 5.8 = 40.8$$

$$\boxed{\text{Median} = 40.83}$$

$$\boxed{\text{Median class} = 35 - 45}$$

$$N = 51$$

$$N/2 = 25.5$$

$$\text{Median class} = 35 - 45$$

$$l = 35, C.F = 15, f = 18, i = 10$$