

Frequency Distribution

Saturday, 26 July 2025 8:43 PM

Example - construct a frequency distribution with suitable number of class for the data there are 25 marks -

45 50 51 54 53 53 52 51 57 54 58 60 62 59 61 62 64 63 48 65 53 66 51

$$\text{Class Interval} = (\text{max Number} - \text{min Number}) / \text{interval}$$

$$CI = \frac{66 - 45}{5}$$

$$CI = 4.5$$

$$CI = 4$$

$$Cb = 4.5 - 4 = 0.5$$

Table →

Marks	Frequency	class-boundary	mid-point
45 - 49	2	44.5 - 49.5	$(45 + 49) / 2 = 47$
50 - 54	10	49.5 - 54.5	52
55 - 59	3	54.5 - 59.5	57
60 - 64	6	59.5 - 64.5	62
65 - 69	2	64.5 - 69.5	67

