Answer on Question #70172 – Math – Statistics and Probability
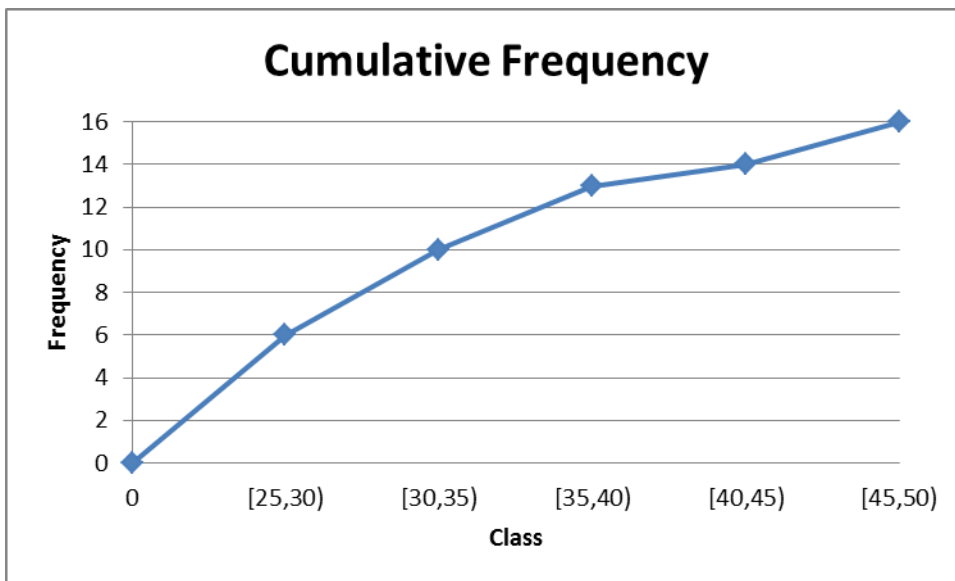
Question

Table 1: Score
27 37 30 28 39 25 45 28
32 28 26 38 31 30 47 41

Based on Table 1, organize the data into a frequency distribution by taking 25 as the lowest boundary and 5 as the class width.

Construct a "less than or equal" ogive for the frequency distribution established in (a) and then approximate the number of candidates who scores below 35.

Solution

Class	Frequency	Cumulative Frequency
[25,30)	6	6
[30,35)	4	10
[35,40)	3	13
[40,45)	1	14
[45,50)	2	16

Number of candidates who scores below 35: $N = 6 + 4 = 10$.