

A.W

Q24: for the sample of 200 mothers at delivery, we measure a certain serum level (in Mg/l).

Time with doctor	Frequency	Relative frequency	cumulative frequency
5 - 24	50		
25 - 44	63	0.25	50
45 - 64	61	0.315	113
65 - 84	24	0.305	174
85 - 104	2	0.01	198
Total	200		200

Complete the table, then answer

- [1] The variable is the serum level of mothers at delivery.
- [2] The number of mothers with time with doctor between (25-84) is $63 + 61 + 24 = 148$
- [3] The number of mothers with time with doctor less than or equal 64 is 174
- [4] The number of mothers with time with doctor more than 44 is $61 + 24 + 2 = 87$ $200 - 113$
- [5] The relative frequency of mothers with time with doctor from 65 to 84 is $0.305 = \frac{24}{200}$
- [6] The percentage of mothers with time with doctor more than or equal 45 is $\frac{61 + 24 + 2}{200} \times 100 = 43.5\%$
- [7] The mode is $34.5 = \frac{25 + 44}{2}$
- [8] The sample size is 200
- [9] The width of the interval is $25 - 5 = 20$
 $\bar{x} =$ $C.V =$