

After each question is answered, the time per question and percent correct is displayed.

Question 17

Each value below is the number of defects found in a group of five subassemblies inspected:

77	61	59	22	54
64	49	54	92	22
75	65	41	89	49
93	45	87	55	33
45	77	40	25	20

What are the c chart control limits?

82.5, 28.9
 15.6, 6.6
 65.7, 45.7
 78.2, 33.2

Statistics		
Average Time per Question	Total Time Elapsed (Minutes)	Percent Correct
.31	4.93	50.%

When a question is answered you have the option of displaying the solution or continuing to the next question.

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What are the c chart control limits?

- 82.5, 28.9
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Next Question

This question requires a calculation of the c chart control limits and a review of the answers.

$$UCL_c = \bar{c} + 3\sqrt{\bar{c}}$$

$$LCL_c = \bar{c} - 3\sqrt{\bar{c}}$$

\bar{c} is the average of the above 25 readings.

$$\bar{c} = 55.72$$

By right-clicking the appropriate window, either the question or explanation can be viewed full screen.

This question requires a calculation of the c chart control limits and a review of the answers.

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$$LCL_c = \bar{c} - 3\sqrt{\bar{c}}$$

\bar{c} is the average of the above 25 readings.

$$\bar{c} = 55.72$$

$$UCL_c = 55.72 + 3\sqrt{55.72} = 78.1$$

$$LCL_c = 55.72 - 3\sqrt{55.72} = 33.3$$

Answer d is correct.

Reference: *CQT Primer*, Section IX.

Question ID 887