

## Instrument Maker Apprentice Interview Questions

1. Share an experience in which your diligence of inspecting equipment, structures, or materials helped you identify a problem or the cause of a problem.

2. What factors do you consider when selecting tools, machines, and materials to be used in machinery work? Share an experience.

3. Share an experience in which you've successfully learned how to handle a new piece of equipment?

4. Tell me about a recent experience you've had working with your hands.

5. Tell me about an experience in which you analyzed information and evaluated results to choose the best solution to a problem.

6. Share an experience in which you conducted a test of a product, service, or process and successfully improved the quality or performance.

7. Share an experience in which you successfully shared a difficult piece of information. (Make sure that the candidate has open lines of communication.)

8. Share an experience when you applied new technology or information in your job. How did it help your company?

9. Share an experience in which your attention to detail and thoroughness had an impact on your last company.

10. How do you stay fit in order to perform physical activities that are required in the workplace?

11. Share an experience in which you used your knowledge of mathematics and instruments to calculate dimensions and tolerances.

12. Tell me how you organize, plan, and prioritize your work.

13. Give me an example of when you thought outside of the box. How did it help your employer?

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14. Share an example of when you went above and beyond the "call of duty". (Look for answers that show the candidate is dependable.)

15. Provide your experience aligning and securing holding fixtures, cutting tools, attachmets, accessories, and/or materials onto machines.

16. Provide an effective method you have used to ensure that completed units are effective and conform to specifications.

17. Provide an experience in which you effectively set up, adjusted, and operated basic, specialized, and/or advanced machine tools.

18. Share an experience in which you used machine tools to effectively machine parts to specifications.

19. Describe an experience in which you successfully controlled the operation of a difficult system. What made you successful?

20. Share an experience in which you set controls to regulate machining and/or entered commands to retrieve, input, and edit computerized machine control media.

21. Tell me about the last time you monitored or reviewed information and detected a problem. How did you respond?

22. Share an experience in which your observation of a machine helped you to effectively diagnose a malfunction. How did you resolve it?

23. Provide an experience in which your knowledge of mechanics, shop mathematics, metal properties, layout, and/or machining procedures helped you to effectively maintain industrial machines.

24. Provide an experience in which conferring with numerical control programmers helped you to ensure that a new program or machine would function properly and/or that the output would meet specifications.

25. Tell me about an effective method you have used to ensure that work pieces are properly lubricated and/or cooled.

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26. Share an experience in which conferring with engineering, supervisory, and/or manufacturing personnel helped you to be more effective in your work.

27. Describe the methods you use to determine the methods and sequences of operations needed to fabricate products.

28. Share an example of a time you had to gather information from multiple sources. How did you determine which information was relevant?

29. What have you found to be the best way to monitor the performance of your work and/or the work of others? Share a time when you had to take corrective action.

30. Tell me about a time when you developed your own way of doing things or were self-motivated to finish an important task.