

96 Logical Reasoning Interview Questions to Hire Top Talent

Questions

1. If all cats meow and Fluffy is a cat, does Fluffy bark?
2. Imagine you have red and blue balls in a bag. If you pick one without looking, are you more likely to pick a red one if there are way more red balls?
3. If it always rains on Tuesdays, and today is Tuesday, what's the weather like?
4. All birds can fly. Penguins are birds. Can penguins fly?
5. You have two ropes. Each takes exactly one hour to burn completely, but they don't burn at a constant rate. How can you measure 45 minutes?
6. There are two fathers and two sons in a car, yet there are only three people. How is this possible?
7. What has an eye, but cannot see?
8. If a train leaves Chicago at 8 AM traveling at 60 mph and another train leaves New York at 9 AM traveling at 80 mph, will they meet, and if so, where?
9. You have three boxes. One contains only apples, one contains only oranges, and one contains both apples and oranges. The boxes have been incorrectly labeled such that no label identifies the actual contents of the box it describes. Opening just one box, and without looking in the box, you take out one piece of fruit. By looking at the fruit, how can you immediately label all of the boxes correctly?
10. What is heavier, a pound of feathers or a pound of rocks?
11. If you rearrange the letters 'OONE', can you form a number?
12. A doctor gives you three pills and tells you to take one every half hour. How many minutes will it take to take all the pills?
13. You see a boat filled with people, yet there isn't a single person on board. How is that possible?
14. What has to be broken before you can use it?
15. What is full of holes but still holds water?
16. If you drop a red stone into the blue sea, what will it become?
17. I am tall when I am young, and I am short when I am old. What am I?
18. What question can you never answer yes to?
19. What is always in front of you but can't be seen?
20. What has one head, one foot, and four legs?
21. Which is correct to say, 'The yolk of the egg is white' or 'The yolk of the egg are white'?
22. How many months have 28 days?
23. A man was driving his car. He turned off his lights. There was no moon. A woman crossed the road, and he stopped the car. How did he see her?
24. What can travel around the world while staying in a corner?
25. If all dogs bark and Buddy is a dog, does Buddy bark?
26. Apples are fruits, and fruits grow on trees. Do apples grow on trees?
27. If it always rains on Tuesdays, and today is Tuesday, is it raining?
28. Squares have four sides. This shape has four sides. Is this shape a square?
29. All cats meow, but some animals that meow are not cats. Can you give an example?
30. If bigger means stronger, and a whale is bigger than a mouse, is a whale stronger than a mouse?
31. Birds can fly. Penguins are birds. Can penguins fly?
32. If 'up' is the opposite of 'down', what is the opposite of 'left'?
33. Sometimes the sky is blue, and sometimes it's grey. If the sky is not blue today, what could it be?
34. If you have more brothers than sisters, does your brother have more brothers than sisters?
35. If a train always leaves at 10 AM but today it's delayed, will it leave at 10 AM?
36. If John is taller than Mary, and Mary is taller than Peter, who is the tallest?
37. If ice is cold, and you leave ice in the sun, what happens?
38. If everything green is healthy, and broccoli is green, is broccoli healthy?
39. You see a house with all sides facing north. A bear walks by. What color is the bear?
40. If you rearrange the letters 'OONE', can you make a number?
41. What has an eye, but cannot see?
42. What is full of holes but still holds water?
43. What question can you never answer 'yes' to?
44. What is always in front of you but can't be seen?
45. If you drop a feather and a brick from the same height, which will hit the ground first?
46. If you are running a race and you pass the person in second place, what place are you in?
47. What has to be broken before you can use it?
48. What is light, but you can't hold it?
49. What has one head, one foot, and four legs?
50. Imagine you have three boxes. One has only apples, one has only oranges, and one has both. The labels are all wrong. How many boxes do you need to open to correctly label all of them?
51. If all Bloops are Gloops and some Gloops are Ploops, can we definitively say that some Bloops are Ploops? Explain.
52. A train leaves Chicago at 6 am traveling at 60 mph towards New York. Another train leaves New York at 7 am traveling at 80 mph towards Chicago. When will they meet?
53. You have a bag with red and blue marbles. You pull out two marbles at a time. If they are the same color, you add a red marble back into the bag. If they are different colors, you add a blue marble back into the bag. What will be the color of the last marble in the bag?
54. There are 100 lockers in a hallway, all closed. A person goes down the hallway and opens every locker. Then, they go back and close every second locker. Then, they go back and change every third locker (close if open, open if closed). They repeat this process 100 times. Which lockers will be open at the end?
55. A farmer needs to cross a river with a fox, a chicken, and a sack of grain. He can only take one item at a time. He cannot leave the fox and chicken alone, or the chicken and grain alone. How does he get everything across the river?
56. If you have two ropes that each take one hour to burn completely, but they don't burn at a constant rate, how can you measure 45 minutes?
57. What is heavier: a pound of feathers or a pound of lead? Explain your answer.
58. A man is looking at a photograph. Someone asks, 'Who are you looking at?' He replies, 'Brothers and sisters, I have none, but that man's father is my father's son.' Who is in the photograph?
59. You have 12 balls, and one is of a different weight (either heavier or lighter). You have a balance scale. What is the minimum number of weighings needed to find the different ball and determine if it is heavier or lighter?
60. What comes next in the following sequence: O, T, T, F, F, S, S, E, N, _?
61. A doctor gives you three pills and tells you to take one every half hour. How long will it take to take all the pills?
62. Why are manhole covers round?
63. You are in a room with two doors. One leads to freedom, the other to certain death. There are two guards, one who always tells the truth and one who always lies. You can ask one question to one guard. What question do you ask to find the door to freedom?
64. What has an eye, but cannot see?
65. There are 25 horses and you need to find the 3 fastest horses. You can race 5 horses at a time. What is the minimum number of races required?
66. What is full of holes but still holds water?
67. A bat and a ball cost \$1.10 in total. The bat costs \$1.00 more than the ball. How much does the ball cost?
68. You have 9 dots arranged in a 3x3 grid. Can you draw four straight lines, without lifting your pen, that pass through all 9 dots?
69. I am taken from a mine and shut up in a wooden case, from which I am never released, and used by almost everybody. What am I?
70. If it takes 5 machines 5 minutes to make 5 widgets, how long would it take 100 machines to make 100 widgets?
71. What is always in front of you but can't be seen?
72. What has to be broken before you can use it?
73. I have cities, but no houses, forests, but no trees, and water, but no fish. What am I?
74. A company has three teams: Alpha, Beta, and Gamma. Alpha consistently outperforms Beta, and Gamma has been improving but still lags behind Alpha. However, Beta has shown more innovation than Gamma. Rank these teams based on their overall contribution to the company's strategic goals.
75. You are managing a project with a tight deadline and limited resources. Unexpectedly, a critical team member calls in sick. How would you assess the situation and implement a solution to keep the project on track, considering the constraints?
76. Imagine a scenario where your team's proposal was rejected by the client. Analyze the possible reasons for the rejection and outline a step-by-step plan to gather feedback, address the concerns, and potentially revive the proposal.
77. A retailer notices a decline in sales for a specific product line despite increased marketing efforts. What factors could be contributing to this decline, and what strategies could be implemented to reverse the trend?
78. You are tasked with improving the efficiency of a manufacturing process. Identify potential bottlenecks in the process and propose solutions to optimize workflow and reduce waste.
79. In a team setting, two members have conflicting ideas on how to approach a task. How would you facilitate a productive discussion to reach a consensus and ensure everyone feels heard and valued?
80. A software company detects a security breach in its system. Describe the immediate steps you would take to contain the breach, assess the damage, and prevent future occurrences.
81. A marketing campaign generates a high volume of leads, but the conversion rate is low. Analyze the potential issues with the campaign or the sales process and suggest improvements to increase conversions.
82. You are responsible for choosing a new vendor for a critical service. What factors would you consider when evaluating potential vendors, and how would you make a decision that aligns with the company's goals?
83. Your team is facing a complex problem with no clear solution in sight. How would you structure a problem-solving session to encourage creative thinking and identify innovative solutions?
84. A large corporation is planning to merge with a smaller company. What are some of the potential challenges that could arise during the integration process, and how would you address them?
85. A customer is consistently complaining about the same issue. Analyze the possible root causes of the problem and propose a strategy to resolve the issue permanently and improve customer satisfaction.
86. A new technology emerges that could significantly disrupt your industry. How would you assess the potential impact of this technology and develop a plan to adapt to the changing landscape?
87. You are leading a team with diverse skill sets and experience levels. How would you create an inclusive environment where everyone feels valued and empowered to contribute their best work?
88. A company is experiencing high employee turnover. What factors could be contributing to this issue, and what strategies could be implemented to improve employee retention?
89. Suppose you are responsible for resource allocation across multiple projects, each with varying priorities and deadlines. How would you prioritize projects and allocate resources effectively to maximize overall productivity?
90. Describe a situation where you had to make a difficult decision with incomplete information. What steps did you take to evaluate the situation, and how did you mitigate the risks associated with your decision?
91. Imagine you are tasked with scaling a successful business operation to a new market. What are the key considerations you would take into account to ensure a successful expansion, and how would you mitigate potential risks?
92. Your organization is implementing a new software system that requires significant changes to existing workflows. How would you manage the change process to minimize disruption and ensure a smooth transition for all employees?
93. A team member is consistently underperforming and not meeting expectations. How would you address this issue, providing constructive feedback and developing a performance improvement plan?
94. You are presented with two investment opportunities, each with different risk profiles and potential returns. How would you analyze the opportunities and make a recommendation that aligns with the company's financial goals?