[1. What is the chance of rolling at least one five with two dice?](https://www.interviewbit.com/probability-interview-questions/" \l "chance-of-rolling-at-least-one-five-with-two-dice" \o "What is the chance of rolling at least one five with two dice?)

[2. Given that a die is rolled twice and the sum of the numbers is noted to be 6, what is the conditional probability that the number 4 has occurred at least once?](https://www.interviewbit.com/probability-interview-questions/#what-is-the-conditional-probability-that-the-number-4-has-occurred-at-least-once)

[3. Team A and B are competing in a game in which they must win four of the seven rounds to win.](https://www.interviewbit.com/probability-interview-questions/#probability-of-teams-a-and-b-competiting-in-a-game-and-winning-4-of-the-7-rounds)

[4. What is the likelihood of drawing two cards with the same suite (from the same deck)?](https://www.interviewbit.com/probability-interview-questions/#what-is-the-likelihood-of-getting-two-cards-with-same-suite)

[5. We choose two cards at random from a deck of cards with numbers ranging from 1 to 100. What is the likelihood that a number on one card is precisely twice the number on the other?](https://www.interviewbit.com/probability-interview-questions/#probability-of-a-number-on-one-card-is-precisely-twice-the-number-on-other)

[6. What is the probability of rolling the dice seven times and receiving a 5?](https://www.interviewbit.com/probability-interview-questions/#probability-of-rolling-dice-seven-times-and-receiving-five)

[7. N riders receive a $5 off voucher. P is the likelihood that a coupon will be used. What is the company's anticipated cost?](https://www.interviewbit.com/probability-interview-questions/#what-is-the-companys-anticipated-cost-probability)

[8. What is the variance's definition?](https://www.interviewbit.com/probability-interview-questions/#variances-definition)

[9. What is a p-value? If you had a different (far larger, 3 mil records, for example) data set, would it affect how you interpret the p-value?](https://www.interviewbit.com/probability-interview-questions/#p-value-if-you-had-a-different-data-set-would-it-affect-how-you-interpret-th-p-value)

[10. Assume Facebook users click on ads P times out of every 100. What is the smallest sample size N such that Probability(ABS(hat{P}-P) DELTA) = 95 percent when we choose a sample of size N and analyze the sample's conversion rate, denoted by hat{P}?](https://www.interviewbit.com/probability-interview-questions/#find-smallest-sample-size-N)

[11. Out of 100 goods, 25 are of poor quality. What is the range of confidence?](https://www.interviewbit.com/probability-interview-questions/#what-is-the-range-of-confidence)

[12. How do you determine whether assignment to the different buckets in an A/B test was indeed random?](https://www.interviewbit.com/probability-interview-questions/#determine-whether-assignment-to-different-buckets-in-ab-test-was-indeed-random)

[13. What distinguishes probability density functions from probability mass functions?](https://www.interviewbit.com/probability-interview-questions/#probability-density-function-vs-probability-mass-functions)

[14. What is a Probability Distribution?](https://www.interviewbit.com/probability-interview-questions/#probability-distribution)

[15. How would you use Bayes' Rule to test hypotheses?](https://www.interviewbit.com/probability-interview-questions/#bayes-rule-to-test-hypothesis)