

## Transcript

### Let's Make A Deal – Explanation #2

01. 00:01 / 00:06 - When you the contestant start the game, there are three possible cases. The prize indicated
02. 00:06 / 00:13 - by the dollar sign is either behind door C, behind door B or behind door A. Since you
03. 00:14 / 00:19 - obviously have no idea which of the three cases you're faced with, you choose one of
04. 00:19 / 00:25 - the three doors at random. Say you choose door A. If you're in case one, where you chose
05. 00:25 / 00:31 - door A and the prize is behind door C, the host will obviously reveal the empty door
06. 00:31 / 00:38 - B to you, in which case in order to win you need to switch from door A to door C. If you're
07. 00:38 / 00:44 - in case two where you chose door A and the prize is behind door B the host will obviously
08. 00:44 / 00:50 - reveal the empty door C to you in which case in order to win you need to switch from door
09. 00:50 / 00:56 - A to door B. And finally if you're in case three where you chose door A and the prize
10. 00:56 / 01:02 - is behind door A, the host can reveal either one of the remaining empty doors. Say the
11. 01:02 / 01:07 - host reveals door B. Note that this is the only case out of the three in which in order
12. 01:07 / 01:14 - to win you should stay with the door you initially chose. Let's summarize. There are three possible
13. 01:14 / 01:21 - cases in the game. We saw that in two of the three cases if you switch you win and only
14. 01:21 / 01:27 - in one of three if you stay you win. Since you have no idea which of the three cases
15. 01:27 / 01:32 - you're faced with, you might as well go with the switching strategy because in two out
16. 01:32 / 01:35 - of the possible three cases, it will lead you to winning.