

Open (no valves pushed),

- Add one increment, push just the middle 2nd valve
- Add two increments, push just the 1st valve
- Add three increments, push both the 1st valve and the middle 2nd valve
- Add four increments, push both the 2nd valve and the 3rd valve
- Add five increments, push both the 1st valve and the 3rd valve
- Add six increments, push all three valves (1st, 2nd, and 3rd)

These increasing lengths allow the trumpet to play open G within the staff, down chromatically to C#, as follows:



This same logical pattern repeats itself when descending lower, starting on low C below the staff:



The same pattern can be used for the higher notes, but most players use alternate fingerings and they are recommended. Starting on G on top of the staff, these are the recommended fingerings:



Starting on high C above the staff, these are the recommended fingerings:



When you understand about these tube lengths, it's easy to change your pitch by a half step up or down. This is really important, **because in jazz**, if you hear that you are playing a wrong note, you are often only off by only a half-step.