

Mathematics of Music

Music is no different than Math.

It's just in a different format with different characters and language.

1st Step - Hearing Tonic:

- Your Ear 1st Must be able to hear the Home Base of the Key you are in.

Understanding the Numbers:

- IV b7 I V II VI III #IV VII

2nd Step - Hearing Relationships to the Tonic:

- Next, your Ear Must be able to identify the Tonal Center of Other Chords that are Not the Tonic, while also knowing the relationship, to define Where the Chords have gone / are going.

- *First Hearing V7 and IV
- *Then Hearing II7 and ii-
- *Next Hearing VI7 and vi-
- *Then Hearing III7 and iii-

Piano Chord Jump Test:

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- Have someone play a chord strong and loud to identify a Tonic like C.
- Then have them play a New Chord like E-.
 - Can you identify where it went?
- Can you hear that it is the iii-?
- Then clear your ear pallet, and have them establish a New Tonic like Bb, and then have them play something like A7.
 - Can you tell it was the VII7?

Identifying the Chords through the Numbers:

- If you hear Someone play an opening in F as the Tonic,
 - and then they play an A7 Chord, can you Tell it's a III7?
- If you hear Someone play an opening in D as the Tonic,
 - and then they play an B- Chord, can you Tell it's a vi-?

Hearing the Numbers:

- If someone plays C Major as the Tonic, and they say VI7,
 - can you Hear the A7 Chord in your Head?
- If someone plays Eb Major as the Tonic, and they say ii-,
 - can you Hear the F- Chord in your Head?