

יתגדל cello tuning chart

Harmonics up to 13 on I-IV, showing intonational equalities.

The chart displays the following harmonic series for each string:

- String I:** Tuned to the 13th harmonic. Series: 1 (13th harmonic), 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13.
- String II:** Tuned to the 7th harmonic. Series: 1 (7th harmonic), 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13.
- String III:** Tuned to the 11th harmonic. Series: 1 (11th harmonic), 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13.
- String IV:** Tuned to the 3rd harmonic. Series: 1 (3rd harmonic), 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13.

The fundamental frequency for each string is shown in the bottom staff of its respective section.

* Note that for I (tuned to the 13th harmonic), the 13th harmonic on that string is notated as an F \flat , in order to consistently notate all 13th harmonics as minor sixths. This pitch actually sounds much closer to an F-natural.

