

Cello Standards: Harmonics and Overtones

Identify the harmonic number sequence and note name on the instrument diagram. Identify the number of harmonic nodes from the vibrating string diagram, the intervallic distance from the fundamental, and the chordal interval in relation to the root.

Natural Harmonic Location	Harmonic Nodes	Interval from fundamental	Chordal Interval
open		Fundamental	Root
IV			
III			
II			
I			

Notate the fundamental (open string) and then the first seven natural harmonics for each string in the staves provided below.

I -

II -

III -

IV -

Cello Standards: Harmonics and Overtones

Identify the harmonic number sequence and note name on the instrument diagram. Identify the number of harmonic nodes from the vibrating string diagram, the intervallic distance from the fundamental, and the chordal interval in relation to the root.

Natural Harmonic Location	Harmonic Nodes	Interval from fundamental	Chordal Interval
open	7	22nd	P1 (3 rd Octave)
IV	6	21st	m7
III	5	19th	P5
II	4	17th	M3
I	3	15th	P1 (2 nd Octave)
	2	12th	P5
	1	8ve	P1 (1 st Octave)
	open	Fundamental	Root

Notate the fundamental (open string) and then the first seven natural harmonics for each string in the staves provided below.

I - A

II - D

III - G

IV - C