

Harmonic Series Etudes 1 for Hn in F

The harmonic series is the basis for the pitches played by the family of brass instruments. Each finger combination plays the notes of its own harmonic series.

Each etude is to be played using a single finger combination as noted in brackets [].

A [1,2,3] **B** [1,2,3] (Same as A, different spelling)



C [1,3] **D** [2,3]



E [1,2] **F** [1]



G [2] **H** [0] (open)



I [1,2,3] **J** [1,2,3]



K [1,3] **L** [2,3]



M [1,2] **N** [1]



O [2] **P** [0]



These are the notes of the harmonic series for each finger combination.

Q [1,2,3] Alternate spelling for this series [1,2,3]

[1,3] [2,3]

[1,2] [1]

[2] [0]

Detailed description: This block contains four lines of musical notation for the harmonic series of a horn in F. Each line shows two phrases separated by a bar line. The first phrase is in the bass clef and the second is in the treble clef. The notes are: F2 (bass), C3, F3, A3, C4, F4, A4, C5. Fingerings are indicated above the notes: [1,2,3] for the first phrase and [1,2,3] for the second phrase. The alternate spelling for the second phrase is also shown.

Each phrase shown below should be played using the harmonic series with [1,2].

They should also be played using the other valve combinations much like the examples on page 1. For example, play phrase 'R' through 'U' using [2], as well as other combinations.

R

Detailed description: Musical notation for phrase R. It consists of two measures. The first measure is in 3/4 time and contains a quarter note F, a quarter note C, and a quarter note F. The second measure is in 5/4 time and contains a half note F, a quarter note C, and a quarter note F.

S

Detailed description: Musical notation for phrase S. It consists of two measures in 4/4 time. The first measure contains a quarter note F, a quarter note C, and a quarter note F. The second measure contains a quarter note F, a quarter note C, and a quarter note F.

T

Detailed description: Musical notation for phrase T. It consists of two measures. The first measure is in 5/4 time and contains a quarter note F, a quarter note C, and a quarter note F. The second measure is in 4/4 time and contains a quarter note F, a quarter note C, and a quarter note F.

U

Detailed description: Musical notation for phrase U. It consists of two measures. The first measure is in 5/4 time and contains a quarter note F, a quarter note C, and a quarter note F. The second measure is in 4/4 time and contains a quarter note F, a quarter note C, and a quarter note F.

Use only the fingering shown for each measure.

V

[1,3] [2,3]

[1,2] [1]

[2] [0]

W

[1,3] [2,3]

[1,2] [1]

[2] [0]

X

[1,3] [2,3]

[1,2] [1]

[2] [0]