

Just Intonation Ratios

Locrian

$\frac{1}{9}$ $\frac{1}{3}$ $\frac{1}{1}$
 $\frac{1}{45}$ $\frac{1}{15}$ $\frac{1}{5}$ $\frac{3}{5}$

Lydian

$\frac{5}{3}$ $\frac{5}{1}$ $\frac{15}{1}$ $\frac{45}{1}$
 $\frac{1}{1}$ $\frac{3}{1}$ $\frac{9}{1}$

Phrygian

$\frac{1}{9}$ $\frac{1}{3}$ $\frac{1}{1}$ $\frac{3}{1}$
 $\frac{1}{15}$ $\frac{1}{5}$ $\frac{3}{5}$

Ionian

$\frac{5}{3}$ $\frac{5}{1}$ $\frac{15}{1}$
 $\frac{1}{3}$ $\frac{1}{1}$ $\frac{3}{1}$ $\frac{9}{1}$

Aeolian

$\frac{5}{9}$
 $\frac{1}{9}$ $\frac{1}{3}$ $\frac{1}{1}$ $\frac{3}{1}$
 $\frac{1}{5}$ $\frac{3}{5}$

Mixolydian

$\frac{5}{3}$ $\frac{5}{1}$
 $\frac{1}{3}$ $\frac{1}{1}$ $\frac{3}{1}$ $\frac{9}{1}$
 $\frac{9}{5}$

Dorian

$\frac{5}{9}$ $\frac{5}{3}$
 $\frac{1}{3}$ $\frac{1}{1}$ $\frac{3}{1}$
 $\frac{3}{5}$ $\frac{9}{5}$

Minor Melodic

$\frac{15}{1}$
 $\frac{1}{3}$ $\frac{1}{1}$ $\frac{3}{1}$ $\frac{9}{1}$ $\frac{27}{1}$
 $\frac{3}{5}$

Major Melodic

$\frac{5}{1}$
 $\frac{1}{9}$ $\frac{1}{3}$ $\frac{1}{1}$ $\frac{3}{1}$ $\frac{9}{1}$
 $\frac{1}{5}$

Minor Harmonic

$\frac{15}{1}$
 $\frac{1}{3}$ $\frac{1}{1}$ $\frac{3}{1}$ $\frac{9}{1}$
 $\frac{1}{5}$ $\frac{3}{5}$

Major Harmonic

$\frac{5}{1}$ $\frac{15}{1}$
 $\frac{1}{3}$ $\frac{1}{1}$ $\frac{3}{1}$ $\frac{9}{1}$
 $\frac{1}{5}$

Double Harmonic

$\frac{5}{1}$ $\frac{15}{1}$
 $\frac{1}{3}$ $\frac{1}{1}$ $\frac{3}{1}$
 $\frac{1}{15}$ $\frac{1}{5}$