

### 53 Tone Equal Temperament (NB: none more than 7.9217 cents ≈ .35 Holder comma off)

Note degree	Value in cents	Nearest just interval (13-limit)	Difference in cents from just interval	Interval Name	Tanbur, etc. Fret : Note
1	0	1/1	0	Unison	0 = Nut: Yegâh G
2	22.642	66/65	-3.7901	-	
3	45.283	33/32	-7.9899	undecimal comma, 33rd harmonic	
4	67.925	26/25	0.0243	-	
5	90.566	21/20	6.0988	minor semitone	1 Kaba Nim Hisar G <sup>#</sup> /A <sub>b</sub>
6	113.208	16/15	1.4763	minor diatonic semitone	2 Kaba Hisar G <sup>#</sup> /A <sub>b</sub>
7	135.849	13/12	-2.7236	tridecimal 2/3-tone	3 Unnamed
(8	158.491	11/10	-6.5137	4/5-tone, Ptolemy's second	4 Unnamed)
9	181.132	10/9	-1.2716	minor whole tone	5 Kaba Dik Hisar G <sup>#</sup> /A <sub>d</sub>
10	203.774	9/8	-0.1364	major whole tone	6 Hüseyini Aşiran A
11	226.415	8/7	-4.7590	septimal whole tone	
12	249.057	15/13	1.3156	-	
13	271.698	7/6	4.8272	septimal minor third	
14	294.340	13/11	5.1299	tridecimal minor third	7 Acem Aşiran A <sup>#</sup> /B <sub>b</sub>
15	316.981	6/5	1.3398	minor third	8 Dik Acem Aşiran A <sup>#</sup> /B <sub>b</sub>
16	339.623	11/9	-7.7853	undecimal neutral third	9 Unnamed
17	362.264	16/13	2.7918	tridecimal neutral third	10 Unnamed
18	384.906	5/4	-1.4081	major third	11 Irak B <sub>d</sub>
19	407.547	33/26	-5.1981	tridecimal major third	12 Geveşt B
20	430.189	9/7	-4.8954	septimal major third, BP third	
21	452.830	13/10	-1.3838	-	
22	475.472	21/16	4.6908	narrow fourth	(No Dik Geveşt C <sub>d</sub> /B+3k)
23	498.113	4/3	0.0682	perfect fourth	13 Rast C
24	520.755	35/26	6.1428	-	
25	543.396	11/8	-7.9217	undecimal semi-augmented fourth	
26	566.038	18/13	2.6554	-	
27	588.679	7/5	6.1671	septimal or Huygens' tritone, BP fourth	14 Nim Zırgüle C <sup>#</sup> /D <sub>b</sub>
28	611.321	10/7	-6.1671	Euler's tritone	15 Zırgüle C <sup>#</sup> /D <sub>b</sub>
29	633.962	13/9	-2.6554	-	16 Unnamed
30	656.604	16/11	7.9217	undecimal semi-diminished fifth	17 Unnamed
31	679.245	52/35	-6.1428	-	18 Dik Zırgüle C <sup>#</sup> /D <sub>d</sub>
32	701.887	3/2	-0.0682	perfect fifth	19 Dügâh D
33	724.528	32/21	-4.6908	wide fifth	

34	747.170	20/13	1.3838	-	
35	769.811	14/9	4.8954	septimal minor sixth	
36	792.453	52/33	5.1981	-	20 Kürdi D <sup>#</sup> /E <sub>b</sub>
37	815.094	8/5	1.4081	minor sixth	21 Dik Kürdi D <sup>#</sup> /E <sub>b</sub>
38	837.736	13/8	-2.7918	tridecimal neutral sixth	22 Unnamed
39	860.377	18/11	7.7853	undecimal neutral sixth	23 "Uşşak" D <sup>#</sup> -1/E <sub>d</sub> -1
40	883.019	5/3	-1.3398	major sixth, BP sixth	24 Segâh D <sup>#</sup> /E <sub>d</sub>
41	905.660	22/13	-5.1299	-	25 Buselik E
42	928.302	12/7	-4.8272	septimal major sixth	
43	950.943	26/15	-1.3156	-	
44	973.585	7/4	4.7590	harmonic seventh	(No Dik Buselik (E+3k)/F <sub>d</sub> )
45	996.226	16/9	0.1364	Pythagorean minor seventh	26 Çargâh F
46	1018.868	9/5	1.2716	just minor seventh, BP seventh	
47	1041.509	20/11	6.5137	large minor seventh	27 Unnamed
48	1064.151	24/13	2.7236	-	
49	1086.792	15/8	-1.4763	classic major seventh	28 Nim Hicaz F <sup>#</sup> /G <sub>b</sub>
50	1109.434	40/21	-6.0988	acute major seventh	29 Hicaz F <sup>#</sup> /G <sub>b</sub>
51	1132.075	25/13	-0.0243	-	
52	1154.717	35/18	3.4874	septimal semi-diminished octave	
53	1177.358	63/32	4.6226	octave - septimal comma	30 Dik Hicaz F <sup>#</sup> /G <sub>d</sub>