

Reproportioning Scales and Harmonics up to base 20 at a limit of 16 partials from a fundamental frequency of 20 hertz approximated to one decimal place																																		
Base	Step	Scale																Series																
10	1	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	20.0	40.0	60.0	80.0	100.0	120.0	140.0	160.0	180.0	200.0	220.0	240.0	260.0	280.0	300.0	320.0	340.0
11	1.1	2.2	3.3	4.4	5.5	6.6	7.7	8.8	9.9	11.0	12.1	13.2	14.3	15.4	16.5	17.6	18.7	20.0	44.0	66.0	88.0	110.0	132.0	154.0	176.0	198.0	220.0	242.0	264.0	286.0	308.0	330.0	352.0	374.0
12	1.2	2.4	3.6	4.8	6.0	7.2	8.4	9.6	10.8	12.0	13.2	14.4	15.6	16.8	18.0	19.2	20.4	20.0	48.0	72.0	96.0	120.0	144.0	168.0	192.0	216.0	240.0	264.0	288.0	312.0	336.0	360.0	384.0	408.0
13	1.3	2.6	3.9	5.2	6.5	7.8	9.1	10.4	11.7	13.0	14.3	15.6	16.9	18.2	19.5	20.8	22.1	20.0	52.0	78.0	104.0	130.0	156.0	182.0	208.0	234.0	260.0	286.0	312.0	338.0	364.0	390.0	416.0	442.0
14	1.4	2.8	4.2	5.6	7.0	8.4	9.8	11.2	12.6	14.0	15.4	16.8	18.2	19.6	21.0	22.4	23.8	20.0	56.0	84.0	112.0	140.0	168.0	196.0	224.0	252.0	280.0	308.0	336.0	364.0	392.0	420.0	448.0	476.0
15	1.5	3.0	4.5	6.0	7.5	9.0	10.5	12.0	13.5	15.0	16.5	18.0	19.5	21.0	22.5	24.0	25.5	20.0	60.0	90.0	120.0	150.0	180.0	210.0	240.0	270.0	300.0	330.0	360.0	390.0	420.0	450.0	480.0	510.0
16	1.6	3.2	4.8	6.4	8.0	9.6	11.2	12.8	14.4	16.0	17.6	19.2	20.8	22.4	24.0	25.6	27.2	20.0	64.0	96.00	128.0	160.0	192.0	224.0	256.0	288.0	320.0	352.0	384.0	416.0	448.0	480.0	512.0	544.0
17	1.7	3.4	5.1	6.8	8.5	10.2	11.9	13.6	15.3	17.0	18.7	20.4	22.1	23.8	25.5	27.2	28.9	20.0	68.0	102.0	136.0	170.0	204.0	238.0	272.0	306.0	340.0	374.0	408.0	442.0	476.0	510.0	544.0	578.0
18	1.8	3.6	5.4	7.2	9.0	10.8	12.6	14.4	16.2	18.0	19.8	21.6	23.4	25.2	27.0	28.8	30.6	20.0	72.0	108.0	144.0	180.0	216.0	252.0	288.0	324.0	360.0	396.0	432.0	468.0	504.0	540.0	576.0	612.0
19	1.9	3.8	5.7	7.6	9.5	11.4	13.3	15.2	17.1	19.0	20.9	22.8	24.7	26.6	28.5	30.4	32.3	20.0	76.0	114.0	152.0	190.0	228.0	266.0	304.0	342.0	380.0	418.0	456.0	494.0	532.0	570.0	608.0	646.0
20	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0	20.0	80.0	120.0	160.0	200.0	240.0	280.0	320.0	360.0	400.0	440.0	480.0	520.0	560.0	600.0	640.0	680.0