

### Frequencies for equal-tempered scale

This table created using  $A_4 = 440$  Hz

Speed of sound = 345 m/s = 1130 ft/s = 770 miles/hr

("Middle C" is  $C_4$ ) (To convert lengths in cm to inches, divide by 2.54)

Note	Frequency (Hz)	Wavelength (cm)
$C_0$	16.35	2100.
$C^\#_0/D^b_0$	17.32	1990.
$D_0$	18.35	1870.
$D^\#_0/E^b_0$	19.45	1770.
$E_0$	20.60	1670.
$F_0$	21.83	1580.
$F^\#_0/G^b_0$	23.12	1490.
$G_0$	24.50	1400.
$G^\#_0/A^b_0$	25.96	1320.
$A_0$	27.50	1250.
$A^\#_0/B^b_0$	29.14	1180.
$B_0$	30.87	1110.
$C_1$	32.70	1050.
$C^\#_1/D^b_1$	34.65	996.
$D_1$	36.71	940.
$D^\#_1/E^b_1$	38.89	887.
$E_1$	41.20	837.
$F_1$	43.65	790.
$F^\#_1/G^b_1$	46.25	746.
$G_1$	49.00	704.
$G^\#_1/A^b_1$	51.91	665.
$A_1$	55.00	627.
$A^\#_1/B^b_1$	58.27	592.
$B_1$	61.74	559.
$C_2$	65.41	527.
$C^\#_2/D^b_2$	69.30	498.
$D_2$	73.42	470.
$D^\#_2/E^b_2$	77.78	444.
$E_2$	82.41	419.
$F_2$	87.31	395.
$F^\#_2/G^b_2$	92.50	373.

G <sub>2</sub>	98.00	352.
G <sup>#</sup> <sub>2</sub> /A <sup>b</sup> <sub>2</sub>	103.83	332.
A <sub>2</sub>	110.00	314.
A <sup>#</sup> <sub>2</sub> /B <sup>b</sup> <sub>2</sub>	116.54	296.
B <sub>2</sub>	123.47	279.
C <sub>3</sub>	130.81	264.
C <sup>#</sup> <sub>3</sub> /D <sup>b</sup> <sub>3</sub>	138.59	249.
D <sub>3</sub>	146.83	235.
D <sup>#</sup> <sub>3</sub> /E <sup>b</sup> <sub>3</sub>	155.56	222.
E <sub>3</sub>	164.81	209.
F <sub>3</sub>	174.61	198.
F <sup>#</sup> <sub>3</sub> /G <sup>b</sup> <sub>3</sub>	185.00	186.
G <sub>3</sub>	196.00	176.
G <sup>#</sup> <sub>3</sub> /A <sup>b</sup> <sub>3</sub>	207.65	166.
A <sub>3</sub>	220.00	157.
A <sup>#</sup> <sub>3</sub> /B <sup>b</sup> <sub>3</sub>	233.08	148.
B <sub>3</sub>	246.94	140.
C <sub>4</sub>	261.63	132.
C <sup>#</sup> <sub>4</sub> /D <sup>b</sup> <sub>4</sub>	277.18	124.
D <sub>4</sub>	293.66	117.
D <sup>#</sup> <sub>4</sub> /E <sup>b</sup> <sub>4</sub>	311.13	111.
E <sub>4</sub>	329.63	105.
F <sub>4</sub>	349.23	98.8
F <sup>#</sup> <sub>4</sub> /G <sup>b</sup> <sub>4</sub>	369.99	93.2
G <sub>4</sub>	392.00	88.0
G <sup>#</sup> <sub>4</sub> /A <sup>b</sup> <sub>4</sub>	415.30	83.1
A <sub>4</sub>	440.00	78.4
A <sup>#</sup> <sub>4</sub> /B <sup>b</sup> <sub>4</sub>	466.16	74.0
B <sub>4</sub>	493.88	69.9
C <sub>5</sub>	523.25	65.9
C <sup>#</sup> <sub>5</sub> /D <sup>b</sup> <sub>5</sub>	554.37	62.2
D <sub>5</sub>	587.33	58.7
D <sup>#</sup> <sub>5</sub> /E <sup>b</sup> <sub>5</sub>	622.25	55.4
E <sub>5</sub>	659.26	52.3
F <sub>5</sub>	698.46	49.4

$F^{\#}_5/G^b_5$	739.99	46.6
$G_5$	783.99	44.0
$G^{\#}_5/A^b_5$	830.61	41.5
$A_5$	880.00	39.2
$A^{\#}_5/B^b_5$	932.33	37.0
$B_5$	987.77	34.9
$C_6$	1046.50	33.0
$C^{\#}_6/D^b_6$	1108.73	31.1
$D_6$	1174.66	29.4
$D^{\#}_6/E^b_6$	1244.51	27.7
$E_6$	1318.51	26.2
$F_6$	1396.91	24.7
$F^{\#}_6/G^b_6$	1479.98	23.3
$G_6$	1567.98	22.0
$G^{\#}_6/A^b_6$	1661.22	20.8
$A_6$	1760.00	19.6
$A^{\#}_6/B^b_6$	1864.66	18.5
$B_6$	1975.53	17.5
$C_7$	2093.00	16.5
$C^{\#}_7/D^b_7$	2217.46	15.6
$D_7$	2349.32	14.7
$D^{\#}_7/E^b_7$	2489.02	13.9
$E_7$	2637.02	13.1
$F_7$	2793.83	12.3
$F^{\#}_7/G^b_7$	2959.96	11.7
$G_7$	3135.96	11.0
$G^{\#}_7/A^b_7$	3322.44	10.4
$A_7$	3520.00	9.8
$A^{\#}_7/B^b_7$	3729.31	9.3
$B_7$	3951.07	8.7
$C_8$	4186.01	8.2
$C^{\#}_8/D^b_8$	4434.92	7.8
$D_8$	4698.64	7.3
$D^{\#}_8/E^b_8$	4978.03	6.9