

Table 1.13 PITCH AND FREQUENCY FOR 12-TONE EQUAL-TEMPERED SCALE*

Frequency Ratio	Octave 1	Octave 2	Octave 3	Octave 4	Octave 5	Octave 6	Octave 7
1	C 33	C 65	C 131	C 262	C 523	C 1047	C 2093
$2^{1/12}$	C \sharp 35	C \sharp 69	C \sharp 139	C \sharp 277	C \sharp 554	C \sharp 1109	C \sharp 2218
$2^{2/12}$	D 37	D 73	D 147	D 294	D 587	D 1175	D 2349
$2^{3/12}$	D \sharp 39	D \sharp 78	D \sharp 156	D \sharp 311	D \sharp 622	D \sharp 1245	D \sharp 2489
$2^{4/12}$	E 41	E 82	E 165	E 330	E 659	E 1319	E 2637
$2^{5/12}$	F 44	F 87	F 175	F 349	F 699	F 1397	F 2794
$2^{6/12}$	F \sharp 46	F \sharp 93	F \sharp 185	F \sharp 370	F \sharp 740	F \sharp 1475	F \sharp 2960
$2^{7/12}$	G 49	G 98	G 196	G 392	G 784	G 1568	G 3136
$2^{8/12}$	G \sharp 52	G \sharp 104	G \sharp 208	G \sharp 415	G \sharp 831	G \sharp 1661	G \sharp 3322
$2^{9/12}$	A 55	A 110	A 220	A 440	A 880	A 1760	A 3520
$2^{10/12}$	A \sharp 58	A \sharp 117	A \sharp 233	A \sharp 466	A \sharp 932	A \sharp 1865	A \sharp 3729
$2^{11/12}$	B 62	B 124	B 247	B 494	B 988	B 1976	B 3951
2	C $_2$ 65	C $_3$ 131	C $_4$ 262	C $_5$ 523	C $_6$ 1047	C $_7$ 2093	C $_8$ 4186

*Frequencies for fundamentals are rounded to nearest Hz, except for the A notes which are exact.