

60-tone Equal Temperment Frequency Table

60TK# means "60-tone Key Number"

12TK# means "12-tone Key Number"

<u>60TK#</u>	<u>12TK#</u>	<u>Sound Frequency (Hz)</u>
1	1	27.5
2	-	27.81953460830287
3	-	28.142782029911313
4	-	28.469785405637882
5	-	28.800588377567234
6	2	29.13523509488062
7	-	29.47377021974806
8	-	29.816238933289007
9	-	30.16268694160221
10	-	30.51316048186574
11	3	30.867706328507758
12	-	31.226371799449126
13	-	31.589204762418465
14	-	31.95625364134059
15	-	32.32756742279924
16	4	32.70319566257483
17	-	33.08318849225821
18	-	33.467596625941255
19	-	33.8564713669852
20	-	34.24986461486763
21	5	34.64782887210901
22	-	35.050417251279704
23	-	35.45768348208843
24	-	35.86968191855301
25	-	36.28646754625459
26	6	36.70809598967595
27	-	37.13462351962523
28	-	37.56610706074588
29	-	38.00260419911384
30	-	38.444173189923035
31	7	38.890872965260115
32	-	39.342763141969606
33	-	39.799904029610396
34	-	40.2623566385047
35	-	40.730182687880514
36	8	41.20344461410874
37	-	41.682205579035944
38	-	42.16652947841402
39	-	42.6564809504277
40	-	43.152125384321295
41	9	43.653528929125486
42	-	44.160758502485706
43	-	44.67388179959295
44	-	45.19296730221847

45	-	45.71808428785333
46	10	46.24930283895431
47	-	46.78669385229706
48	-	47.33032904843815
49	-	47.88028098128683
50	-	48.43662304778817
51	11	48.999429497718666
52	-	49.56877544359566
53	-	50.14473687070193
54	-	50.727390647226656
55	-	51.316814534524404
56	12	51.91308719749314
57	-	52.51628821507291
58	-	53.126498090866505
59	-	53.74379826388353
60	-	54.368271119409286
61	13	55.0
62	-	55.63906921660574
63	-	56.285564059822626
64	-	56.939570811275765
65	-	57.60117675513447
66	14	58.27047018976124
67	-	58.94754043949612
68	-	59.632477866578014
69	-	60.32537388320442
70	-	61.026320963731465
71	15	61.735412657015516
72	-	62.45274359889825
73	-	63.178409524836916
74	-	63.91250728268117
75	-	64.65513484559848
76	16	65.40639132514966
77	-	66.16637698451642
78	-	66.93519325188251
79	-	67.7129427339704
80	-	68.49972922973527
81	17	69.29565774421802
82	-	70.10083450255942
83	-	70.91536696417685
84	-	71.73936383710603
85	-	72.57293509250918
86	18	73.4161919793519
87	-	74.26924703925046
88	-	75.13221412149176
89	-	76.00520839822768
90	-	76.88834637984607
91	19	77.78174593052022
92	-	78.68552628393921
93	-	79.5998080592208
94	-	80.5247132770094
95	-	81.46036537576103
96	20	82.40688922821748

97	-	83.3644111580719
98	-	84.33305895682804
99	-	85.3129619008554
100	-	86.30425076864258
101	21	87.30705785825097
102	-	88.32151700497141
103	-	89.3477635991859
104	-	90.38593460443693
105	-	91.43616857570666
106	22	92.49860567790861
107	-	93.57338770459413
108	-	94.66065809687632
109	-	95.76056196257366
110	-	96.87324609557633
111	23	97.99885899543732
112	-	99.13755088719134
113	-	100.28947374140385
114	-	101.45478129445331
115	-	102.63362906904881
116	24	103.82617439498628
117	-	105.03257643014582
118	-	106.25299618173301
119	-	107.48759652776705
120	-	108.73654223881857
121	25	110.0
122	-	111.27813843321148
123	-	112.57112811964522
124	-	113.87914162255151
125	-	115.20235351026896
126	26	116.54094037952248
127	-	117.89508087899225
128	-	119.26495573315603
129	-	120.65074776640884
130	-	122.05264192746293
131	27	123.470825314031
132	-	124.90548719779649
133	-	126.35681904967386
134	-	127.82501456536237
135	-	129.31026969119696
136	28	130.8127826502993
137	-	132.33275396903284
138	-	133.870386503765
139	-	135.42588546794076
140	-	136.99945845947056
141	29	138.59131548843607
142	-	140.20166900511884
143	-	141.8307339283537
144	-	143.47872767421205
145	-	145.14587018501837
146	30	146.83238395870376
147	-	148.5384940785009
148	-	150.2644282429835

149	-	152.0104167964554
150	-	153.77669275969214
151	31	155.56349186104043
152	-	157.37105256787842
153	-	159.19961611844158
154	-	161.04942655401877
155	-	162.92073075152211
156	32	164.81377845643496
157	-	166.7288223161438
158	-	168.66611791365608
159	-	170.6259238017108
160	-	172.60850153728515
161	33	174.61411571650194
162	-	176.6430340099428
163	-	178.69552719837182
164	-	180.77186920887388
165	-	182.87233715141332
166	34	184.99721135581723
167	-	187.14677540918825
168	-	189.32131619375258
169	-	191.5211239251473
170	-	193.7464921911527
171	35	195.99771799087466
172	-	198.27510177438268
173	-	200.5789474828077
174	-	202.90956258890662
175	-	205.26725813809762
176	36	207.65234878997256
177	-	210.06515286029162
178	-	212.50599236346605
179	-	214.97519305553413
180	-	217.47308447763714
181	37	220.0
182	-	222.55627686642296
183	-	225.14225623929045
184	-	227.75828324510303
185	-	230.40470702053793
186	38	233.08188075904496
187	-	235.7901617579845
188	-	238.52991146631206
189	-	241.30149553281768
190	-	244.10528385492586
191	39	246.941650628062
192	-	249.81097439559298
193	-	252.71363809934772
194	-	255.65002913072473
195	-	258.62053938239393
196	40	261.6255653005986
197	-	264.6655079380657
198	-	267.74077300753
199	-	270.8517709358815
200	-	273.9989169189411

201	41	277.18263097687213
202	-	280.4033380102377
203	-	283.6614678567074
204	-	286.9574553484241
205	-	290.29174037003673
206	42	293.6647679174075
207	-	297.0769881570018
208	-	300.528856485967
209	-	304.0208335929108
210	-	307.5533855193843
211	43	311.12698372208087
212	-	314.74210513575684
213	-	318.39923223688317
214	-	322.09885310803753
215	-	325.84146150304423
216	44	329.6275569128699
217	-	333.4576446322876
218	-	337.33223582731216
219	-	341.2518476034216
220	-	345.2170030745703
221	45	349.2282314330039
222	-	353.2860680198856
223	-	357.39105439674364
224	-	361.54373841774776
225	-	365.74467430282664
226	46	369.99442271163446
227	-	374.2935508183765
228	-	378.64263238750516
229	-	383.0422478502946
230	-	387.4929843823054
231	47	391.9954359817493
232	-	396.55020354876535
233	-	401.1578949656154
234	-	405.81912517781325
235	-	410.53451627619523
236	48	415.3046975799451
237	-	420.13030572058324
238	-	425.0119847269321
239	-	429.95038611106827
240	-	434.9461689552743
241	49	440.0
242	-	445.1125537328459
243	-	450.2845124785809
244	-	455.51656649020606
245	-	460.8094140410757
246	50	466.1637615180898
247	-	471.58032351596887
248	-	477.059822932624
249	-	482.6029910656356
250	-	488.21056770985194
251	51	493.88330125612424
252	-	499.6219487911861

253	-	505.42727619869544
254	-	511.30005826144946
255	-	517.2410787647879
256	52	523.2511306011972
257	-	529.3310158761313
258	-	535.48154601506
259	-	541.703541871763
260	-	547.997833837882
261	53	554.3652619537442
262	-	560.8066760204752
263	-	567.3229357134146
264	-	573.9149106968484
265	-	580.5834807400737
266	54	587.3295358348153
267	-	594.1539763140037
268	-	601.057712971934
269	-	608.0416671858216
270	-	615.1067710387686
271	55	622.2539674441617
272	-	629.4842102715137
273	-	636.7984644737663
274	-	644.1977062160751
275	-	651.6829230060882
276	56	659.2551138257397
277	-	666.915289264575
278	-	674.664471654624
279	-	682.5036952068434
280	-	690.4340061491407
281	57	698.4564628660079
282	-	706.5721360397714
283	-	714.7821087934873
284	-	723.0874768354955
285	-	731.4893486056533
286	58	739.9888454232689
287	-	748.587101636753
288	-	757.2852647750103
289	-	766.0844957005892
290	-	774.9859687646106
291	59	783.9908719634984
292	-	793.1004070975304
293	-	802.3157899312306
294	-	811.6382503556268
295	-	821.0690325523907
296	60	830.6093951598904
297	-	840.2606114411667
298	-	850.0239694538642
299	-	859.9007722221365
300	-	869.8923379105486
301	61	880.0
302	-	890.2251074656918
303	-	900.5690249571618
304	-	911.0331329804121

305	-	921.6188280821514
306	62	932.3275230361796
307	-	943.1606470319377
308	-	954.119645865248
309	-	965.2059821312712
310	-	976.4211354197039
311	63	987.7666025122485
312	-	999.2438975823723
313	-	1010.8545523973909
314	-	1022.6001165228989
315	-	1034.4821575295757
316	64	1046.5022612023945
317	-	1058.6620317522627
318	-	1070.96309203012
319	-	1083.407083743526
320	-	1095.995667675764
321	65	1108.7305239074883
322	-	1121.6133520409503
323	-	1134.6458714268292
324	-	1147.8298213936969
325	-	1161.1669614801474
326	66	1174.6590716696305
327	-	1188.3079526280073
328	-	1202.115425943868
329	-	1216.083334371643
330	-	1230.213542077537
331	67	1244.5079348883235
332	-	1258.9684205430274
333	-	1273.5969289475327
334	-	1288.3954124321501
335	-	1303.3658460121765
336	68	1318.5102276514795
337	-	1333.83057852915
338	-	1349.328943309248
339	-	1365.0073904136868
340	-	1380.8680122982814
341	69	1396.9129257320158
342	-	1413.1442720795428
343	-	1429.5642175869746
344	-	1446.174953670991
345	-	1462.9786972113066
346	70	1479.9776908465378
347	-	1497.174203273506
348	-	1514.5705295500206
349	-	1532.1689914011783
350	-	1549.9719375292211
351	71	1567.9817439269968
352	-	1586.2008141950607
353	-	1604.6315798624612
354	-	1623.2765007112537
355	-	1642.1380651047814
356	72	1661.2187903197807

357	-	1680.5212228823334
358	-	1700.0479389077284
359	-	1719.801544444273
360	-	1739.7846758210972
361	73	1760.0
362	-	1780.4502149313837
363	-	1801.1380499143236
364	-	1822.0662659608242
365	-	1843.2376561643027
366	74	1864.6550460723593
367	-	1886.3212940638755
368	-	1908.239291730496
369	-	1930.4119642625424
370	-	1952.8422708394078
371	75	1975.533205024497
372	-	1998.4877951647445
373	-	2021.7091047947818
374	-	2045.2002330457979
375	-	2068.9643150591514
376	76	2093.004522404789
377	-	2117.3240635045254
378	-	2141.92618406024
379	-	2166.814167487052
380	-	2191.991335351528
381	77	2217.4610478149766
382	-	2243.2267040819006
383	-	2269.2917428536584
384	-	2295.6596427873938
385	-	2322.333922960295
386	78	2349.318143339261
387	-	2376.6159052560147
388	-	2404.230851887736
389	-	2432.166668743286
390	-	2460.427084155074
391	79	2489.015869776647
392	-	2517.9368410860548
393	-	2547.1938578950653
394	-	2576.7908248643002
395	-	2606.731692024353
396	80	2637.020455302959
397	-	2667.6611570583
398	-	2698.657886618496
399	-	2730.0147808273737
400	-	2761.736024596563
401	81	2793.8258514640315
402	-	2826.2885441590856
403	-	2859.128435173949
404	-	2892.349907341982
405	-	2925.957394422613
406	82	2959.9553816930757
407	-	2994.348406547012
408	-	3029.1410591000413

409	-	3064.3379828023567
410	-	3099.9438750584422
411	83	3135.9634878539937
412	-	3172.4016283901215
413	-	3209.2631597249224
414	-	3246.5530014225074
415	-	3284.276130209563
416	84	3322.4375806395615
417	-	3361.042445764667
418	-	3400.095877815457
419	-	3439.603088888546
420	-	3479.5693516421943
421	85	3520.0
422	-	3560.9004298627674
423	-	3602.276099828647
424	-	3644.1325319216485
425	-	3686.4753123286055
426	86	3729.3100921447185
427	-	3772.642588127751
428	-	3816.478583460992
429	-	3860.8239285250847
430	-	3905.6845416788155
431	87	3951.066410048994
432	-	3996.975590329489
433	-	4043.4182095895635
434	-	4090.4004660915957
435	-	4137.928630118303
436	88	4186.009044809578

The following keys are beyond the currently defined range of a piano, but were generated by the forward expansion of the new notes in the algorithm:

437	-	4234.648127009051
438	-	4283.85236812048
439	-	4333.628334974104
440	-	4383.982670703056