

CCBANTA - MELODIC PERCUSSION SCALE SETS - DETAIL PLAN

Peterson Freq-to-Cent converter: <http://www.petersontuners.com/index.cfm?category=15>

7-TONE EQUAL - 2 OCTAVE - Bar Sizig & Tuning Calculation

| | | OCTAVE | NO | PITCH | FREQ | CENTS | BAR LENGTH | BAR WIDTH | SPACE BETWEEN BARS |
|-------------|-------------|---------|----|-------|---------------------------------------|--------|------------------------------|-----------|--------------------|
| Pitch Std | A=440Hz | TENOR C | 1 | C3 | 130.80 | C0 | 14.00 | 2 | 0.5 |
| Magnitude: | 2 | | 2 | | 144.41 | D-28.6 | 13.50 | 2 | 0.5 |
| Factor: | 1.104089514 | | 3 | | 159.45 | D#42.8 | 13.00 | 2 | 0.5 |
| Cents/Note: | 171.4285714 | | 4 | | 176.04 | F14.3 | 12.50 | 2 | 0.5 |
| 1200 | 7 | | 5 | | 194.37 | G-14.3 | 12.00 | 2 | 0.5 |
| | | | 6 | | 214.60 | A-42.9 | 11.50 | 2 | 0.5 |
| | | | 7 | | 236.94 | A#28.6 | 11.00 | 2 | 0.5 |
| | | MIDDLE | 1 | C4 | 261.60 | C0 | 10.50 | 2 | 0.5 |
| | | | 2 | | 288.83 | D-28.6 | 10.00 | 1.75 | 0.5 |
| | | | 3 | | 318.89 | D#42.8 | 9.50 | 1.75 | 0.5 |
| | | | 4 | | 352.09 | F14.3 | 9.00 | 1.75 | 0.5 |
| | | | 5 | | 388.74 | G-14.3 | 8.50 | 1.75 | 0.5 |
| | | | 6 | | 429.20 | A-42.9 | 8.00 | 1.75 | 0.5 |
| | | | 7 | | 473.87 | A#28.6 | 7.50 | 1.75 | 0.5 |
| | | MIDDLE | 1 | C5 | 523.20 | C0 | 7.00 | 1.75 | 7 |
| | | | | | | | | | |
| | | | | | Between Bar Lengths Distance (inches) | 0.4999 | Total bar widths--> | 28.25 | |
| | | | | | | | Total Spaces --> | 7 | |
| | | | | | | | Total Bar Widths + Spaces--> | 35.25 | |

