

Where does 100, 150, 220, 330, 470, 680 come from?

Take your pocket calculator, HP, TI, whatever & compute the sixth root of 10

$10^{1/6} = 1.468$ Store the result, then repeatedly multiply it by itself

$1.468^2 = 2.154$	Repeat
$1.468^3 = 3.162$	Notice this is the root of 10
$1.468^4 = 4.642$	
$1.468^5 = 6.813$	
$1.468^6 = 10.000$	

All are within +/- 20% of the standard values, no waste!

For the 10 % values the common ratio is the 12th root of 10, that is $10^{1/12}$.

Similarly, the 5 % values follow the ratio of the 24th root of 10

And the One percent values use the 96th root of 10.