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Questions of the "tonmeister test"

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UdK Berlin
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F + A

1. You want to test by listening, how much noise your mixer is producing. Therefore instead of the microphone you have to put a dummy resistor to the XLR input plug of the mixing desk. a) Which value of resistance do you take? b) Which color code does the resistor have? c) To which pin numbers of the XLR plug do you solder the dummy resistor for the microphone?

- a)
- b)
- c)

2. In sound studio technique we often use the word **gain** for the word amplification in dB. The opposed word of amplification is damping. Which word is used for it in opposite to gain?

3. Fill in this table and name the values for the factor of voltage (sound pressure), power (sound intensity) and the felt volume (loudness).

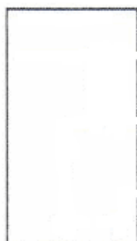
Level increase	Voltage sound pressure	Power sound intensity	Volume loudness
3 dB	fold	fold	fold
6 dB			
10 dB			
20 dB			
30 dB			
40 dB			

See also "Relationship between sone und phon": <http://www.sengpielaudio.com/RechnerSonephon.htm>

4. a) Please, draw an "unbalanced" (non-symmetric) connection.



b) Please, draw a "balanced and floating connection" (symmetric to ground, free of ground). Name another word for his connection?



c) Please, draw a "balanced" connection (symmetric but not free of ground). Name another word for his connection?

