## Unit conversion by prefixes

Examples:

$$1 \text{ kg} = \frac{1000}{1000} \times 1 \text{ g} = 1000 \text{ g}$$

5 mV =0,001 x 5 V = 0,005 V

Conversions can also be done by using the following scheme:

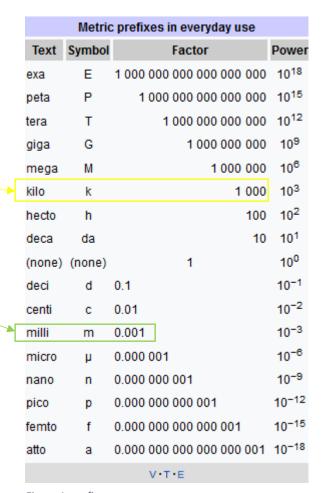
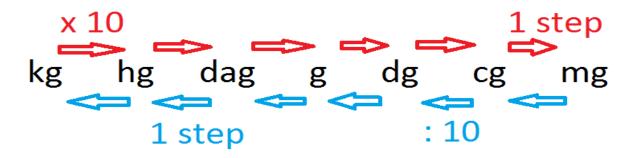


Figure 1: prefixes, source: https://en.wikipedia.org/wiki/Metric\_prefix



For example:

 $12 g = 12 \times 10 \times 10 \times 10 \text{ mg} = 12 000 \text{ mg}$  (The decimal point moves 3 steps)

750 000 mm = 750 000 / 1000 000 km = 0,75 km (The decimal point moves 6 steps)