

Giga			Mega			Kilo	Hecto	Deka	base	deci	centi	milli			micro			nano
10 ⁹			10 ⁶			10 ³	10 ²	10 ¹	10 ⁰	10 ⁻¹	10 ⁻²	10 ⁻³			10 ⁻⁶			10 ⁻⁹
1,000,000,000			1,000,000			1000	100	10	1	1/10	1/100	1/1000			1/1000000			1/1000000000
G			M			K	H	Da		d	c	m			μ			n

Expression to remember the order:

- **G**osh- -**M**y- - **K**ing **H**enry **d**ied **b**y **d**rinking **c**hocolate **m**ilk - -μnmercifully - - nagging - - Peter.
- To convert- you put your finger on what is given and move it in the direction what is asked for. You will then move the decimal of your number in the same direction that many times as you moved your finger.
- Each dash or name is a movement of ten. You need to count the dashes too when converting from one unit to another.
- You can also use dimensional analysis in these conversions.

UNIT CONVERSIONS WORKSHEET

- 1.) 360 g to _____ μg

2.) 18.05 m to _____ Mm

3.) 0.00238 cg to _____ g

4.) 3.80 dL to _____ L

5.) 13.52 cm³ to _____ mL

6.) 1.428 x 10⁷ m to _____ km

7.) 0.014 g to _____ cg
- 8.) 30.2 μL to _____ L

9.) 2.85 x 10⁴ L to _____ dm³

10.) 4.06 x 10¹² nm to _____ m

11) 41.5 mL to _____ L

12.) 1.05 dm³ to _____ cm³

13) 281 cm³ to _____ L

14.) 35.85 Mm to _____ m
- 15.) 4.305 L to _____ dL

16.) 4.32 L to _____ cm³

17.) 61.2 mL to _____ dm³

18.) 6.643 x 10⁻⁵ km to _____ m

19.) 1.832 L to _____ mL

20.) 6.58 m to _____ nm