

# Metric Conversions

## Metric Conversion Chart

Length – Meter (m)

Mass – Gram (g)

Volume – Liter (L)



|       |              |      |                                       |          |              |       |
|-------|--------------|------|---------------------------------------|----------|--------------|-------|
| King  | Henry        | Died | By                                    | Drinking | Chocolate    | Milk  |
| Kilo  | <u>Hecto</u> | Deka | <b>Base</b><br>meter<br>gram<br>Liter | Deci     | <u>Centi</u> | Milli |
| 1,000 | 100          | 10   |                                       | 10       | 100          | 1,000 |



Remember this saying:

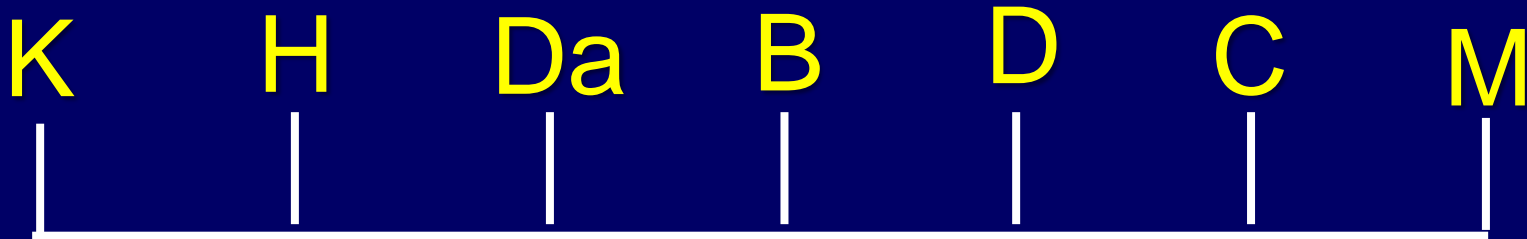


King Henry died by drinking  
chocolate milk

Place the first letter of each word in the saying  
on a number line.

King Henry died by drinking chocolate milk

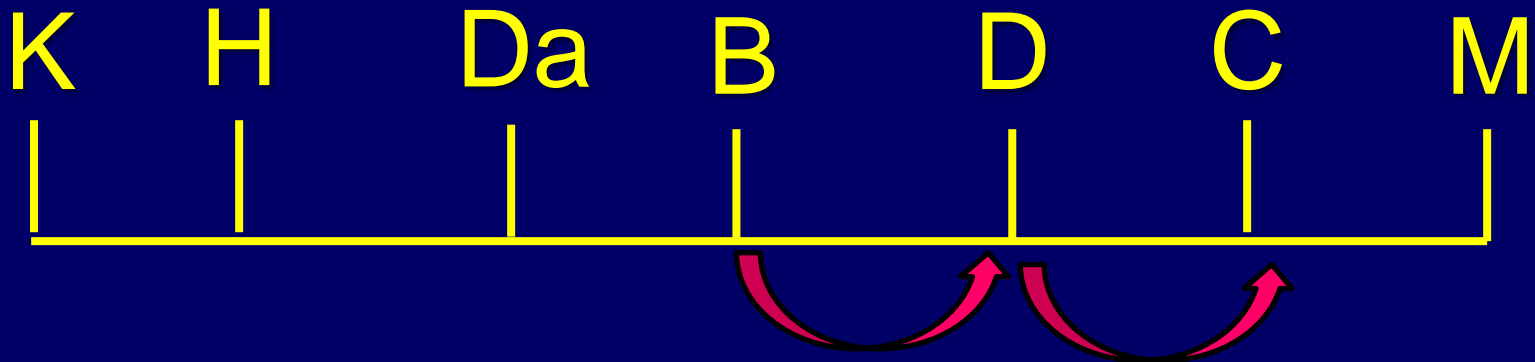
Kilo Hecto Deca Base Deci Centi milli



These letters represent the first letters of each  
of the main prefixes, in order.

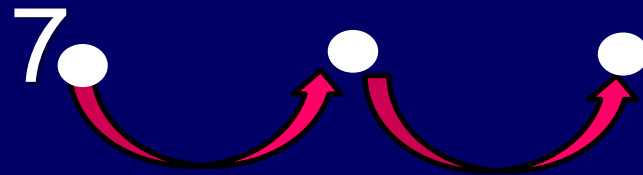
Base can mean meters, liters, or grams

Count the number of places between the letter of the original prefix and the desired ending prefix. Move the decimal to the left or right, according the corresponding number of places.



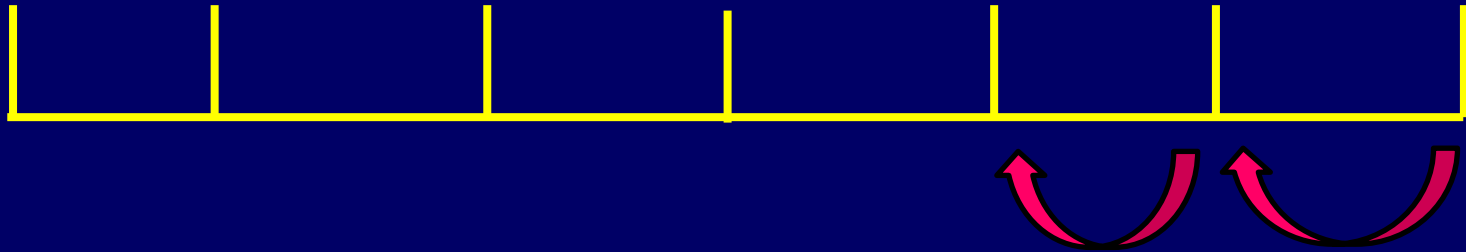
Convert 7m to cm

If there's not a decimal present, assume it to be at the end of the numbers.

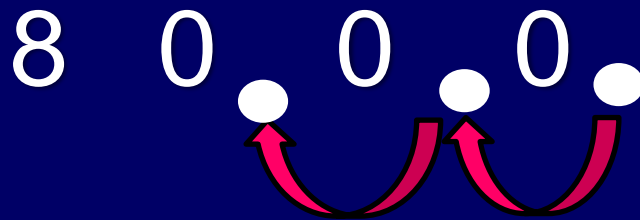


700 cm

K H Da B D C M



Convert 8,000 mL to dL

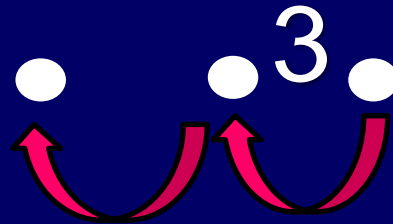


80 dL

K H Da B D C M



Convert 3 cg into g



There must always  
be at least 1 zero  
in front of a  
decimal point

0.03 g

Otherwise, it may  
just look like a  
stray dot

# The End

