

Metric Conversion and Dimensional Analysis Quiz Review

Key

Write the scale used for converting metric units within the scale. Label each parts name and unit value. Label it as the pneumonic device we've used in class.

Pneumonic Device Used (not the words, just the letters)

K H D $\frac{l}{g}$ d c m

Actual Metric Name

Kilo Hecta Deca liter
gram deci centi milli
meter

Unit value

1000 100 10 1 .1 .01 .001
 $\frac{1}{10}$ $\frac{1}{100}$ $\frac{1}{1000}$

What does l, g and m mean in the device? What does it measure?

l = liter ; volume

g = gram ; mass

m = meter ; distance

1Km = 1000 m?

10 mm = 0.00001 Km

1Kg = 1000 g?

100g = 1 Hg

1Kl = 1000 l?

78.99 l = 7.899 Dl

0.000010
100.
78.99