

Ladder Method

KILO
1000
Units

HECTO
100
Units

DEKA
10
Units

Basic Unit
Meters
Liters
Grams

DECI
0.1
Unit

CENTI
0.01
Unit

MILLI
0.001
Unit

To convert to a smaller unit, move decimal point to the right or multiply.

To convert to a larger unit, move decimal point to the left or divide.

How do you use the “ladder” method?

- 1st – Determine your starting point.
- 2nd – Count the “jumps” to your ending point.
- 3rd – Move the decimal the same number of jumps in the same direction.

4 km = _____ m

Starting Point Ending Point

How many jumps does it take?

4. = 4000 m

1 2 3

King Henry Died By Drinking Choco Milk

k
10³
kilo -
x 1000
thousands

h
10²
hecto -
x 100
hundreds

da
10¹
deca -
x 10
tens

Base
10⁰
meter
gram
Liter
ones

d
10⁻¹
deci -
1 / 10
tenths

c
10⁻²
centi -
1 / 100
hundredths

m
10⁻³
milli -
1 / 1000
thousandths