

[Home](#)[About](#)[Sign Up](#)[Help](#)[FAQ](#)[Contact](#)

1 - October - 2007

Community Services

[Kids Corner Index](#)**Java Games**

Mastermind
Connect Five
Sharkhunter
Solitaire

Maths Section

Origin of Measurements
Common Formulas
Decimal Equations
Metric Weights
Multiplication Table
Roman Numerals

Curious Creatures

Angels
Beasts
Dragons
Fairies
Giants
Water Serpents

Language

Braille
Most Spoken



Buy your Music CD's online at AudioStreet

Kids Corner--Maths--Metric_Weights

Metric Weights and Measures

Most of the world uses the metric system. The only countries not on this system are the U.S., Burma, Liberia, Muscat, and South Yemen.

A millimicron is one thousandth of one millionth of one metre.

The metric system is based on 10s.

For example, 10 decimetres make a metre (39.37 inches).

Units smaller than a metre have Latin prefixes:

- Deci- means 10; 10 decimetres make a metre.
- Centi- means 100; 100 centimetres make a metre.
- Milli- means 1,000; 1,000 millimetres make a metre.

Units larger than a metre have Greek prefixes:

- Deka- means 10; a dekametre is 10 metres.
- Hecto- means 100; a hectometre is 100 metres.
- Kilo- means 1,000; a kilometre is 1,000 metres.

Helpful Hints

Remember: A metre is a little more than a yard. A kilometre is less than a mile. A liter is a little more than a quart.

The Metric System

Length

Unit	Value
Kilometre (km)	1,000 metres
Hectometre (hm)	100 metres
Dekametre (dam)	10 metres
metre (m)	1 metre
Decimetre (dm)	0.1 metre
Centimetre (cm)	0.01 metres
Millimetre (mm)	0.001 metres

Capacity

Unit	Value
Kilolitre (kl)	1,000 Litres
Hectolitres (hl)	100 Litres
Dekalitres (dal)	10 Litres
Litre (l)	1 Litre ^(*)
Decilitre (dl)	0.10 Litres
Centilitre (cl)	0.01 Litres
Millilitre (ml)	0.001 Litres
<i>* 1 litre + 1.057 quarts</i>	

Mass and Weight

Unit	Value
Metric Ton	1,000,000 Grams
Quintal (P)	100,000 Grams
Myriagram	10,000 Grams
Kilogram	1,000 Grams
Hectogram	100 Grams
Dekagram	10 Grams
Gram	1 Gram ^(*)
Decigram	0.10 Grams
Centigram	0.01 Grams
Milligrams	0.001 Grams
<i>* 1 gram + U.S. 0.035 ounces</i>	

Metric Conversions

All you'll need to know about them!

Multiply	By	To Find
Centimetres	.0328	feet
Centimetres	.3937	inches
Feet	30.4801	centimetres
Feet/minutes	.507	cent./seconds
Foot-pounds	.1383	metre-kilograms
Gallons	3,785.4	cubic centimetres
Gallons	3.7853	liters
Grams	.0353	ounces
Grams	.0022	pounds
Inches	2.54	centimetres
Inches	.0833	feet
Kilograms	2.2046	pounds
Kilometres	3,280.833	feet
Kilometres	.6214	miles
Kilometres/hour	54.68	feet/minute

Kilometres/hour	.6214	miles/hour
Knots	1.8532	kilometres/hour
Liters	1.0567	quarts
metres	3.2808	feet
metres	39.37	inches
metres	1.0936	yards
metre-kilograms	7.2307	foot-pounds
metres/minute	1.667	centimetres/second
metres/minute	.0547	feet/second
Miles	1.6093	kilometres
Miles/hour	.8684	knots
Miles/hour	1.6093	kilometres/hour
Miles/hour	.447	metres/second
Ounces	28.3495	grams
Ounces	$2.8349 \times 10^{(2)}$	kilograms
Pounds	453.5924	grams
Pounds	.4536	kilograms
Quarts	.946	liters
Quarts (dry)	67.2	cubic inches
Quarts (liquid)	57.75	cubic inches
Sq. centimetres	.0011	square feet
Sq. kilometres	.3861	square miles
Sq. kilometres	$1.196 \times 10^{(6)}$	square yards
Sq. metres	10.7639	square feet
Sq. metres	1.196	square yards
Sq. miles	2.59	square kilometres
Sq. yards	.8361	square metres
Yards	91.44	centimetres
Yards	.9144	metres

[News](#) | [Sport](#) | [Site Map](#) | [Game Servers](#)
[Sign Up](#) | [About Us](#) | [Contact Us](#)

[] [] [] []

Copyright © IofM.net