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Weights & Measures (Quickstudy: Academic)

WEIGHTS & MEASURES			
BASIC MEASUREMENT SYSTEMS			
Temperature	°F	°C	°F to °C: $(F - 32) \times \frac{5}{9}$
Length	in	cm	in to cm: $\times 2.54$
Weight	lb	kg	lb to kg: $\div 2.2$
Volume	gal	L	gal to L: $\times 3.785$
Area	sq ft	sq m	sq ft to sq m: $\div 10.764$
Energy	Btu	J	Btu to J: $\times 1.055$
LENGTH			
Unit	Abbreviation	Equivalent	
1 mile	mi	1,609.34 m	
1 yard	yd	0.9144 m	
1 foot	ft	0.3048 m	
1 inch	in	2.54 cm	
1 centimeter	cm	0.3937 in	
1 meter	m	1.0936 yd	
1 kilometer	km	0.6214 mi	
1 nautical mile	nmi	1.1508 mi	
1 fathom	fath	6.08 ft	
1 league	lea	3 miles	
1 parsec	pc	3.26 light years	
1 light year	ly	5.88 trillion miles	
1 astronomical unit	au	93 million miles	
1 micrometer	μm	0.000001 m	
1 nanometer	nm	0.000000001 m	
1 angstrom	Å	0.0000001 m	
1 Bohr radius	a ₀	0.000000529 m	
1 Planck length	l _P	1.616 trillionths of a meter	
VOLUME (LIQUID)			
Unit	Abbreviation	Equivalent	
1 gallon	gal	128 fl oz	
1 quart	qt	32 fl oz	
1 pint	pt	16 fl oz	
1 cup	cup	8 fl oz	
1 fluid ounce	fl oz	1.80469 oz	
1 milliliter	ml	0.033814 fl oz	
1 liter	L	33.814 fl oz	
1 cubic foot	cu ft	7.47052 gallons	
1 cubic inch	cu in	0.004329 gallons	
1 barrel	barrel	42 gallons	
1 bushel	bushel	21.5 gallons	
1 hogshead	hogshead	63 gallons	
1 ton	ton	2,000 lb	
1 short ton	short ton	2,000 lb	
1 long ton	long ton	2,240 lb	
1 metric ton	metric ton	2,204.62 lb	
1 kiloton	kiloton	1,000 metric tons	
1 megaton	megaton	1,000,000 kg	
1 gigaton	gigaton	1,000,000,000 kg	
1 teraton	teraton	1,000,000,000,000 kg	
1 petaton	petaton	1,000,000,000,000,000 kg	
1 exaton	exaton	1,000,000,000,000,000,000 kg	
1 zepton	zepton	1,000,000,000,000,000,000,000 kg	
1 yocton	yocton	1,000,000,000,000,000,000,000,000 kg	
VOLUME (DRY)			
Unit	Abbreviation	Equivalent	
1 cubic foot	cu ft	28.3755 liters	
1 cubic inch	cu in	0.0610484 liters	
1 bushel	bushel	35.2391 liters	
1 peck	peck	8.80976 liters	
1 quart	qt	0.946353 liters	
1 pint	pt	0.473176 liters	
1 cup	cup	0.236588 liters	
1 fluid ounce	fl oz	0.0295735 liters	
1 milliliter	ml	0.001 liters	
1 liter	L	1.05669 quarts	
1 cubic meter	m³	35.2391 bushels	
1 cubic centimeter	cm³	0.000001 m³	
1 cubic decimeter	dm³	0.001 m³	
1 cubic kilometer	km³	1,000,000,000 m³	
1 cubic meter	m³	1.35168 cubic feet	
1 cubic foot	cu ft	0.0283168 cubic meters	
1 cubic inch	cu in	0.0000163871 cubic meters	
1 cubic centimeter	cm³	0.000000001 cubic meters	
1 cubic millimeter	mm³	0.000000000001 cubic meters	
1 cubic micrometer	μm³	0.000000000000001 cubic meters	
1 cubic nanometer	nm³	0.000000000000000001 cubic meters	
1 cubic angstrom	Å³	0.00000000000000000001 cubic meters	
1 cubic Bohr radius	a ₀ ³	0.0000000000000000000001 cubic meters	
1 cubic Planck length	l _P ³	0.00000000000000000000000001 cubic meters	
WEIGHT			
Unit	Abbreviation	Equivalent	
1 pound	lb	16 oz	
1 ounce	oz	28.3495 g	
1 ton	ton	2,000 lb	
1 short ton	short ton	2,000 lb	
1 long ton	long ton	2,240 lb	
1 metric ton	metric ton	2,204.62 lb	
1 kiloton	kiloton	1,000 metric tons	
1 megaton	megaton	1,000,000 kg	
1 gigaton	gigaton	1,000,000,000 kg	
1 teraton	teraton	1,000,000,000,000 kg	
1 petaton	petaton	1,000,000,000,000,000 kg	
1 exaton	exaton	1,000,000,000,000,000,000 kg	
1 zepton	zepton	1,000,000,000,000,000,000,000 kg	
1 yocton	yocton	1,000,000,000,000,000,000,000,000 kg	
1 newton	N	0.224809 lb	
1 dyne	dyn	2.24809e-6 lb	
1 erg	erg	6.7361e-8 ft-lb	
1 joule	J	0.737562 ft-lb	
1 kilojoule	kJ	0.737562 ft-lb	
1 megajoule	MJ	0.737562 ft-lb	
1 gigajoule	GJ	0.737562 ft-lb	
1 terajoule	TJ	0.737562 ft-lb	
1 petajoule	PJ	0.737562 ft-lb	
1 exajoule	EJ	0.737562 ft-lb	
1 zeptajoule	zJ	0.737562 ft-lb	
1 yoctajoule	yJ	0.737562 ft-lb	
NUMERICAL PREFIXES			
Prefix	Symbol	Factor	
1. Yotta	Y	10 ²⁴	
2. Zetta	Z	10 ²¹	
3. Exa	E	10 ¹⁸	
4. Peta	P	10 ¹⁵	
5. Tera	T	10 ¹²	
6. Giga	G	10 ⁹	
7. Mega	M	10 ⁶	
8. Kilo	k	10 ³	
9. Hecto	h	10 ²	
10. Deca	da	10 ¹	
11. Deci	d	10 ⁻¹	
12. Centi	c	10 ⁻²	
13. Milli	m	10 ⁻³	
14. Micro	μ	10 ⁻⁶	
15. Nano	n	10 ⁻⁹	
16. Pico	p	10 ⁻¹²	
17. Femto	f	10 ⁻¹⁵	
18. Atto	a	10 ⁻¹⁸	
19. Zepto	z	10 ⁻²¹	
20. Yocto	y	10 ⁻²⁴	
SI PREFIXES			
Prefix	Symbol	Factor	
1. Yotta	Y	10 ²⁴	
2. Zetta	Z	10 ²¹	
3. Exa	E	10 ¹⁸	
4. Peta	P	10 ¹⁵	
5. Tera	T	10 ¹²	
6. Giga	G	10 ⁹	
7. Mega	M	10 ⁶	
8. Kilo	k	10 ³	
9. Hecto	h	10 ²	
10. Deca	da	10 ¹	
11. Deci	d	10 ⁻¹	
12. Centi	c	10 ⁻²	
13. Milli	m	10 ⁻³	
14. Micro	μ	10 ⁻⁶	
15. Nano	n	10 ⁻⁹	
16. Pico	p	10 ⁻¹²	
17. Femto	f	10 ⁻¹⁵	
18. Atto	a	10 ⁻¹⁸	
19. Zepto	z	10 ⁻²¹	
20. Yocto	y	10 ⁻²⁴	



Synopsis

Contains the conversions, tables and formulas used most by people at work, home or even vacationing.

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Customer Reviews

I was actually looking for a chart for cooking measures for liquid and dry without buying 5 or 6 of those metal ones for the fridge. This has most of what I was looking for and a lot of what I really don't need and some I don't understand. I sure hope it helps without going to ASK.COM when I have a question.

This covers -- for all standard systems -- temps, lengths, areas, energy (BTU, HP, J, Kw, etc) weights, volumes, lumber, nails, nails/screws/bolts, tornadic & Beaufort & hurricane scales, and a few others. Its 4 pages are on 2 double-sided pages, each plastic enclosed, and already punched for a 3 ring notebook. The Fahrenheit - Celsius conversion table goes from -40 F to 212 F degree by degree with accompanying C degrees. While I wish it had something similar for lengths and weights, that would have involved many, many more pages and a simple calculator will let you quickly find the answers with the conversions in these charts. For \$5, this is very worthwhile to help those of us living in the USA who converse with residents in other countries and who wish to communicate in units they'll understand and appreciate.

I collected ALL of these in the series and I am so glad I did. These charts have become incredibly helpful and educational for both my own studies and reference as an MT, as well as my children using them for general knowledge and school work. I would highly recommend and buy again.

Christmas hit, even for the old folks. Great reference chart. I got one for me and then purchased more for other family members. Quicker than google. Lots of great info and pretty handy overall. Love that it's laminated. I got the Math Fundamentals 1 Guide, too. We had a great "quiz fest" on Christmas Day!

I have a 14yr old that I home school and he is having trouble with Math. These charts are very detailed and self explanatory and I would encourage anyone struggling in Math to try these out. They really do help. The cost is very low and they deliver very very quickly!

Impressive! I carry it to college classes as an extra resource. Has every type of measurement you could ever imagine and conversions as well. Whether you are a scientist, business owner, contractor, a do-it-yourselfer, or a cook, you will love it like I do.

You can never have too many of these sheets. These are very popular with my fellow students. We pass them around. They are not too expensive so if they like what I bought they buy their own and I do the same if I like one of their's I buy one for myself.

I bought many of these cards (in different subjects) from and they were a GREAT help in nursing school and now as a Nurse I find I refer to them all the time. Recommend highly!

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