

METRIC CONVERSION CHART

when you know	multiply by	to find	when you know	multiply by	to find
length					
millimeters	0.04	inches	grams	0.035	ounce
centimeters	0.39	inches	grams	0.032	ounce (apoth.)
meters	3.28	feet	kilograms	2.20	pounds
meters	1.09	yards	kilograms	2.68	pounds (apoth.)
kilometers	0.62	miles	tons (1,000 kg)	1.10	short tons
inches	25.40	millimeters	ounces	28.35	grams
inches	2.54	centimeters	ounces (apoth.)	31.10	grams
feet	30.48	centimeters	pounds	0.45	kilograms
yards	0.91	meters	pounds (apoth.)	0.37	kilograms
miles	1.61	kilometers	short tons (2,000 lb)	0.91	metric tons
speed					
miles per hour	1.61	kilometers per hour	degrees Fahrenheit	$(^{\circ}\text{F} - 32) \div 1.8$	degrees Celsius
kilometers per hour	0.62	miles per hour	degrees Celsius	$(^{\circ}\text{C} \cdot 1.8) + 32$	degrees Fahrenheit
volume					
milliliters	0.20	teaspoons	prefix	symbol	factor
milliliters	0.07	tablespoons	exa-	E	10^{18}
milliliters	0.03	fluid ounces	peta-	P	10^{15}
liters	4.23	cups	tera-	T	10^{12}
liters	2.11	pints	giga-	G	10^9
liters	1.06	quarts	mega-	M	10^6
liters	0.26	gallons	kilo-	k	10^3
cubic meters	35.31	cubic feet	hecto-	h	10^2
cubic meters	1.31	cubic yards	deca-	da	10^1
teaspoons	4.93	milliliters	deci-	d	10^{-1}
tablespoons	14.79	milliliters	centi-	c	10^{-2}
fluid ounces	29.57	milliliters	milli-	m	10^{-3}
cups	0.24	liters	micro-	μ	10^{-6}
pints	0.47	liters	nano-	n	10^{-9}
quarts	0.95	liters	pico-	p	10^{-12}
gallons	3.79	liters	femto-	f	10^{-15}
cubic feet	0.03	cubic meters	atto-	a	10^{-18}
cubic yards	0.76	cubic meters			

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