

658 Boater's Pocket Reference: Chapter 13

From	To	Multiply By
cu meters (volume)		
	barrels (crude oil)	6.2898
	barrels (proof spirits)	6.6043
	cups	4226.8
	gallons (Imperial)	219.97
	gallons (U.S.)	264.17
	liters	1000
	pints (Imperial)	1759.8
	pints (U.S.)	2113.4
	quarts (Imperial)	879.88
	quarts (U.S.)	1056.7
cu millimeters (volume)		
	cu centimeters	<i>ex</i> 0.001
	cu inches	6.1024E-5
	milliliters	0.001
	ounces (fluid)	3.3814E-5
	tablespoons	6.7628E-5
	teaspoons	0.00020288
cups (volume)		
	barrels (crude oil)	0.0014881
	barrels (proof spirits)	<i>ex</i> 0.0015625
	cu centimeters	236.59
	cu inches	<i>ex</i> 14.4375
	cu meters	0.00023659
	gallons (Imperial)	0.052042
	gallons (U.S.)	<i>ex</i> 0.0625
	liters	0.23659
	milliliters	236.59
	ounces (fluid)	<i>ex</i> 8
	pints (Imperial)	0.41634
	pints (U.S.)	<i>ex</i> 0.5
	quarts (Imperial)	0.20817
	quarts (U.S.)	<i>ex</i> 0.25
	tablespoons	<i>ex</i> 16
	teaspoons	<i>ex</i> 48
degrees (angles)		
	minutes	<i>ex</i> 60
	radians ($\pi/180$)	0.017453
	seconds	<i>ex</i> 3600
fathoms (distance)		
	cables	0.0083333
	feet	<i>ex</i> 6

ex = exact conversion

From	To	Multiply By
kilometers/second (speed)		
	feet/minute	196850
	feet/second	3280.8
	kilometers/hour	<i>ex</i> 3600
	knots	1943.8
	meters/minute	<i>ex</i> 60000
	meters/second	<i>ex</i> 1000
	miles/hour	2236.9
	miles/second	0.62137
kilopascals (pressure)		
	atmospheres	0.0098692
	centimeters mercury	0.75006
	inches mercury	0.2953
	inches water	4.0146
	kilograms/sq centimeter	0.10197
	kilograms/sq meter	101.97
	millibars	<i>ex</i> 10
	newtons/sq centimeter	<i>ex</i> 0.1
	newtons/sq meter	<i>ex</i> 1000
	pascals	<i>ex</i> 1000
	pounds/sq inch	0.14504
	tons/sq foot	0.010443
kilowatt-hours (energy)		
	BTUs	3412.1
	calories	859850
	foot-pounds	2655200
	joules	3600000
kilowatts (energy)		
	BTUs/minute	56.869
	foot-pounds/minute	44254
	foot-pounds/second	737.56
	horsepower	1.341
	joules/second	1000
	watts	1000
knots (speed)		
	feet/minute	101.27
	feet/second	1.6878
	kilometers/hour	1.852
	kilometers/second	0.00051444
	meters/minute	30.867
	meters/second	0.51444
	miles/hour	1.1508
	miles/second	0.00031966

ex = exact conversion