

Conversion Factors

1 ounce (troy)	= 31.1034768 grams.		
1 troy ounce per short ton	= 34.2857 grams	= 34.2857 ppm per metric tonne	
1 gram per metric tonne	= 0.0292 troy ounce per short ton		
1 kilogram (kg)	= 32.151 ounces (troy)	35.274 ounces (avdp)	2.205 pounds (avdp)
1 ounce (avdp)	= 28.3495 grams		
<p>i.e. 1 troy ounce = 31.103481 grams but a troy ounce/ton using a conversion of 31.103481 gives you only GRAMS PER SHORT TON. To complete the metric conversion you must also convert short tons to tonnes using the conversion factor 0.9071. So: 31.103481 grams per ton 0.9071 = 34.2857 grams per tonne.</p>			
1 inch (in)	= 2.54 centimetres		
1 foot (ft)	= 0.3048 metres		
1 cubic foot (cu ft)	= 0.028 cubic metres		
1 yard (yd)	= 91.44 centimetres	0.9144 metres	
1 metre (m)	= 39.370 inches	3.28083 feet	1.094 yards
1 mile (mi)	= 1.6093 kilometres	1609.3 metres	
1 kilometre (km)	= 0.621371 miles	3280 feet	1000 metres
1 acre (ac)	= 0.4047 hectares		
1 hectare (ha)	= 2.471 acres	10,000 square metres	0.00386 square miles
1 square kilometre (sq km)	= 247.1 acres	100 hectares	0.3861 square miles
1 square mile (sq mi)	= 640 acres	258.99 hectares	2.59 square kilometres
1 litre (l)	= 0.220 gallons (imperial)	0.880 quarts (imperial)	
1 litre (l)	= 100 cubic centimetres	61.025 cubic inches	
1 kilogram (kg)	= 2.2045855 pounds		
1 metric ton (1000 kg)	= 0.9842 tons (long)	1.102311 tons (short)	2204.622 pounds
1 long ton (1 t)	= 1.01605 tonne	2240 pounds (lb)	
1 short ton (s t)	= 0.90718474 tonne	2000 pounds (lb)	
1 pound (lb)	= 0.45359237 kilograms		

Degrees Fahrenheit (oF) - 32x5/9 = Degrees Celsius (oC)

<u>To Convert</u>		<u>To Obtain</u>	<u>Multiply By</u>
Aluminium	Al	Al2O3	1.8895
Antimony	Sb	Sb2O3	1.1971
Arsenic	As	As2O3	1.3203
	As	As2O5	1.534
Barium	Ba	BaSO4	1.6994
	Ba	BaO	1.117
Beryllium	Be	BeO	2.775
Bismuth	Bi	Bi2O3	1.1148
Boron	B	B2O3	3.2199
Cadmium	Cd	CdO	1.1424
Calcium	Ca	CaCO3	2.4973
	Ca	CaO	1.399
	Ca	CaF2	1.9481
Cerium	Ce	CeO2	1.2284
	Ce	Ce2O3	1.171
Cesium	Cs	Cs2O	1.060
Chromium	Cr	Cr2O3	1.4616
Cobalt	Co	Co3O4	1.3620
	Co	CoO	1.271
Copper	Cu	CuO	1.2518
Fluorine	F	CaF2	2.0549
Hafnium	Hf	HfO2	1.1793
Iron	Fe	Fe2O3	1.4297
	Fe	Fe3O4	1.382
	Fe	FeO	1.2865
	Fe	FeS	1.5741
Lanthanum	La	La2O3	1.1728
Lead	Pb	PbO	1.0772
	Pb	PbS	1.1547
Lithium	Li	Li2CO3	5.3240
	Li	Li2O	2.153
Magnesium	Mg	MgCO3	3.4683
	Mg	MgO	1.6581
Manganese	Mn	MnO	1.2912
	Mn	MnO2	1.582
Mercury	Hg	HgO	1.0798
	Hg	HgS	1.1598
Molybdenum	Mo	MoS2	1.6681
	Mo	MoO3	1.500
Nickel	Ni	NiO	1.2725
Niobium	Nb	Nb2O5	1.4305
Phosphorus	P	P2O5	2.2914
	P2O5Ca3	(PO4)2	2.1852
Potassium	K	K2O	1.2046
Rubidium	Rb	Rb2O	1.094
Silicon	Si	SiO2	2.1393
Sodium	Na	NaCl	2.5421
	Na	Na2O	1.348
Strontium	Sr	SrO	1.185
	Sr	SrSO4	2.0963
Tantalum	Ta	Ta2O5	1.2211
Thorium	Th	ThO2	1.1379
Tin	Sn	SnO2	1.2696
Titanium	Ti	TiO2	1.6681
Tungsten	W	WO3	1.2611
Uranium	U	U3O8	1.1792
	U	UO3	1.202
	U	UO2	1.134
Vanadium	V	V2O5	1.7852
Yttrium	Y	Y2O3	1.270
Zinc	Zn	ZnO	1.2448
	Zn	ZnS	1.490
Zirconium	Zr	ZrO2	1.3508