Converting from imperial units				
Multiply	by	to obtain		
acres	0.4046856	hectares		
acres	43560.0 *	square feet		
acres	4046.856	square meters		
acres	0.0015625*	square miles		
acres	4840.0*	square yards		
feet	30.48*	centimeters		
feet	0.0003048*	kilometers		
feet ²	0.3048*	meters		
feet U.S. survey foot	0.304800609601°	meters		
feet	0.00018939394	miles		
feet	304.8*	millimeters		
square feet	0.000022956	acres		
square feet	929.0304*	square centimeters		
square feet	0.09290304*	square meters		
square feet	0.0000003587	square miles		
inches	2.54*	centimeters		
inches	0.0254*	meters		
inches	0.000015782	miles		
inches	25.4*	millimeters		
inches	0.027777778	yards		
square inches	6.4516*	square centimeters		
square inches	0.00064516*	square meters		
square inches	645.16*	square millimeters		
miles	160934.4*	centimeters		
miles	5280.0*	feet		
miles	63360.0*	inches		
miles	1.609344*	kilometers		
miles	1609.344*	meters		
miles	1760.0*	yards		
miles	1.15077945	nautical miles ³		
square miles	640.0*	acres		
square miles	27878400.0*	square feet		
square miles	2.589988110647	square kilometers		
yards	914.4*	millimeters		
yards	91.44*	centimeters		
yards	0.0009144*	kilometers		
yards	0.9144*	meters		
yards	0.000568182	miles		
square yards	0.000206611	acres		
square yards	0.83612736*	square meters		
square yards	0.000003228305	square miles		

Converting from metric units				
Multiply	by	to obtain		
centimeters	0.03280839895	feet		
centimeters	0.3937007874	inches		
centimeters	0.00001*	kilometers		
centimeters	0.01*	meters		
centimeters	0.000006213711922	miles		
centimeters	10.0*	millimeters		
centimeters	0.01093613298	yards		
square centimeters	0.001076391042	square feet		
square centimeters	0.15500031	square inches		
hectares	2.471054073	acres		
hectares	107639.1042	square feet		
kilometers	100000.0*	millimeters		
kilometers	100000.0*	centimeters		
kilometers	1000.0*	meters		
kilometers	1093.613298	yards		
kilometers	3280.839895	feet		
kilometers	39370.07874	inches		
kilometers	0.6213711922	miles		
square kilometers	247.1054	acres		
square kilometers	10763910.42	square feet		
square kilometers	0.386102158496	square miles		
meters	100.0*	centimeters		
meters	3.280839895	feet		
meters	3.2808333333 ¹	feet U.S.survey foot		
meters	39.37007874	inches		
meters	0.001*	kilometers		
meters	0.0006213711922	miles		
meters	1000.0*	millimeters		
meters	1.093613298	yards		
square meters	0.0002471054	acres		
square meters	10.76391042	square feet		
square meters	0.000003861003	square miles		
millimeters	0.1*	centimeters		
millimeters	0.003280839	feet		
millimeters	0.03937007874	inches		
millimeters	0.000001*	kilometers		
millimeters	0.001*	meters		
millimeters	0.000006213711922	miles		
millimeters	0.001093613298	yards		
square millimeters	0.00001076391042	square feet		

Converting geographic (angular) units			
Multiply	by	to obtain	
degrees	1.11111111	grads	
degrees	0.017453292	radians	
grads	0.9*	degrees	
grads	0.015707963	radians	
radians	57.2958	degrees	
radians	63.662	grads	

	U.S. survey values	
Multiply	by	to obtain
acres	0.4046873	hectares
acres	10.0*	square chains
acres	43560.0*	square feet
acres	4046.873	square meters
acres	0.0015625*	square miles
acres	160.0*	square rods
chains	66.0*	feet
chains	100.0*	links
chains	20.11684	meters
chains	0.0125*	miles
chains	4.0*	rods
square chains	0.1*	acres
square chains	0.04046873	hectares
square chains	4356.0*	square feet
square chains	404.6873	square meters
square chains	0.00015625*	square miles
square chains	16.0*	square rods
feet	0.01515152	chains
feet	1.515152	links
eet	0.304800609601°	meters
eet	0.00018939394	miles
eet	0.06060606	rods
square feet	0.00002295684	acres
square feet	0.000009290341	hectares
square feet	0.0000003587006	sections
square feet	0.0002295684	square chains
square feet	0.09290341	square meters
square feet	0.00000003587006	square miles
square feet	0.003673095	square rods
square feet	0.0000000009963907	townships
	2.471044	acres
nectares	24.71044	
	107638.7	square chains
nectares		square feet
nectares	10000.0*	square meters
nectares	0.003861006	square miles
nectares	395.367	square rods
inks	0.01*	chains
inks	0.66*	feet
inks	0.2011684	meters
inks	0.000125*	miles
inks	0.04*	rods
neters	0.0497096	chains
neters	3.2808333333 ¹	feet
neters	4.97096	links
meters	0.0006213699	miles
neters	0.1988384	rods
square meters	0.0002471044	acres
square meters	0.0001*	hectares
square meters	0.000003861006	sections
square meters	0.002471044	square chains

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square meters	10.76387	square feet
square meters	0.000003861006	square miles
square meters	0.0395367	square rods
square meters	0.00000010725	townships
miles	80.0*	chains
miles	5280.0*	feet
miles	8000.0*	links
miles	1609.347	meters
miles	320.0*	rods
square miles	640.0*	acres
square miles	258.9998	hectares
square miles	1.0*	sections
square miles	6400.0*	square chains
square miles	27878400.0*	square feet
square miles	2589998	square meters
square miles	102400.0*	square rods
square miles	0.02777778	townships
rods	0.25*	chains
rods	16.5*	feet
rods	25.0*	links
rods	5.02921	meters
rods	0.003125*	miles
square rods	0.00625*	acres
square rods	0.002529295	hectares
square rods	0.00625*	square chains
square rods	272.25*	square feet
square rods	25.29295	square meters
square rods	0.000009765625*	square miles
sections	27878400.0*	square feet
sections	2589998	square meters
sections	1.0*	square miles
sections	0.02777778	townships
townships	36.0*	sections
townships	1003622400.0*	square feet
townships	93239945	square meters
townships	36.0*	square miles

* Constants are exact.

^o A coordinate system in 'U.S. survey feet' may be converted to a coordinate system in meters by scaling the system to a scale factor of 0.304800609601. An exact conversion can be accomplished by multiplying 'U.S. survey feet' by the fraction 1200/3937.

¹ A coordinate system in meters may be converted to a coordinate system in 'U.S. survey feet' by scaling the system to a scale factor of 3.28083333333. An exact conversion can be accomplished by multiplying meters by the fraction 3937/1200.

² The foot is one-third of the Imperial standard yard, which is defined to be 0.9144 meters, exactly. Thus the foot is defined as 0.3048 meters, exactly.

³ Represents the international nautical mile and also the U.S. nautical mile. The international nautical mile is defined to be 1852 meters, exactly. However, the U.K. nautical mile is defined to be the average distance on the earth's surface subtended by one minute of latitude, thus being 6080 feet, exactly, or 1853.184 meters, exactly.