

California State University
SAN MARCOS

ALGEBRA

UNIT CONVERSIONS

LENGTH AND DISTANCE

WHEN YOU KNOW	MULTIPLY BY	TO GET
inches	2.5400	centimeters
feet	.3048	meters
feet	12	inches
yards	.9144	meters
yards	3	feet
miles	1.6093	kilometers
miles	1760	yards
millimeters	.0394	inches
centimeters	.3937	inches
centimeters	10	millimeters
meters	1.0936	yards
meters	100	centimeter
kilometers	.6214	miles
kilometers	1000	meters

SURFACE AREA

WHEN YOU KNOW	MULTIPLY BY	TO GET
square inches	6.4516	square centimeters
square feet	.0929	suare meters
square feet	144	square inches
square yards	.8361	square meters
square yards	9	square feet
square miles	2.5898	square kilometers
square miles	3,097,600	square yards
square millimeters	.0016	square inches
square centimeters	.1550	square inches
square centimeters	100	square millimeters
square meters	3.6237	square yards
square meters	10000	square centimeter
square kilometers	.3861	square miles
square kilometers	1,000,000	square meters

VOLUME (LIQUID)

WHEN YOU KNOW	MULTIPLY BY	TO GET
fluid ounces	2.957	centiliters
cups	2.366	deciliters
cups	8	fluid ounces
pints	4.732	deciliters
pints	2	cups
quarts	0.9464	liters
quarts	2	pints
gallons	0.3785	decaliters
gallons	4	quarts
centiliters	0.3381	fluid ounces
deciliters	0.2113	pints
deciliters	10	centiliters
liters	1.057	quarts
liters	10	deciliters
decaliters	2.642	gallons
decaliters	10	liters

WEIGHT AND MASS

WHEN YOU KNOW	MULTIPLY BY	TO GET
ounces	28.35	grams
pounds	0.4536	kilograms
pounds	16	ounces
stones	6.35	kilograms
stones	14	pounds
carats	.0071	ounces
grams	.0353	ounces
grams	5	carats
newtons	3.597	ounces
newtons	102	grams
kilograms	2.205	pounds
kilograms	9.807	newtons
kilonewtons	16.06	stones
kilonewtons	102	kilograms
tonnes	1,000	kilograms
tonnes	9.807	kilonewtons