

# conversion factors

## NON-METRIC TO METRIC LINEAR

To convert	Multiply by
inches into centimetres	2.54
inches into metres	$2.54 \times 10^{-2}$
inches into millimetres	25.4
feet into metres	0.3048
yards into metres	0.9144
miles into kilometres	1.609344
miles into metres	1609.344
feet into centimetres	30.48

## METRIC TO NON-METRIC LINEAR

To convert	Multiply by
millimetres into feet	$3.281 \times 10^{-3}$
millimetres into inches	0.03937
centimetres into inches	0.3937
metres into feet	3.281
metres into yards	1.09361
kilometres into yards	1093.61
kilometres into miles	0.62137

## MASS

To convert	Multiply by
grams into ounces	0.03527
grams into grains	15.4324
grams into tahil	0.02646
kilograms into pounds	2.2046
kilograms into tons	0.0009842
kilograms into katis	1.653
kilograms into stones	0.1575
kilograms into hundredweights	0.01968

# conversion factors

## MASS

To convert	Multiply by
ounces into grams	28.3495
pounds into grams	453.6
pounds into kilograms	0.4536
tons into kilograms	1016.047
tahils into grams	37.799
kati into kilograms	0.60479
grains into grams	0.0648

## VOLUME & CAPACITY

To convert	Multiply by
cu. inches into cu. centimetres	16.3871
cu. inches into litres	0.016387
cu. feet into cu. metres	0.028317
cu. feet into litres	28.32
pints into litres	0.56826
quarts into litres	1.13652
cu. yards into cu. metres	0.7646
UK gallon into litres	4.54609
US gallon into litres	3.7854

## VOLUME & CAPACITY

To convert	Multiply by
cu. centimetres into cu. inches	0.06102
cu. metres into cu. feet	35.3147
cu. metres into cu. yards	1.30795
litres into cu. inches	61.03
litres into pints	1.7598
litres into quarts	0.8799
litres into UK gallons	0.219976
litres into US gallons	0.264178

