

conversion factors

NON-METRIC TO METRIC LINEAR

To convert	Multiply by
inches into centimetres	2.54
inches into metres	2.54×10^{-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	3.281×10^{-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 tahl	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

conversion factors

AREA

To convert

Multiply by

sq. inches into sq. centimetres	6.4516
sq. feet into sq. centimetres	929.03
sq. feet into sq. metres	0.092903
sq. yards into sq. metres	0.8361
sq. miles into sq. kilometres	2.58999
sq. miles into hectares	258.999
acres into sq. metres	4046.856
acres into hectares	0.40469

AREA

To convert

Multiply by

sq. millimetres into sq. inches	1.550×10^{-3}
sq. centimetres into sq. inches	0.1550
sq. metres into sq. feet	10.7639
sq. metres into sq. yards	1.19599
sq. metres into acres	2.47105×10^{-4}
sq. kilometres into sq. metres	0.3861
sq. kilometres into acres	247.105
hectares into acres	2.47105