

Mr. Nixon's Conversion Sheet

Units of Length Conversion Factors

You've Got this Unit	The Unit You Want is...	So Move the Decimal Point This Many Places to the Left or Right...	Or Multiply/Divide by the Conversion Factor
kilometres (km)	m	3 places Right →	X by 1 000
kilometres (km)	dm	4 places Right →	X by 10 000
kilometres (km)	cm	5 places Right →	X by 100 000
kilometres (km)	mm	6 places Right →	X by 1 000 000
metres (m)	km	← 3 places Left	Divide by 1 000
metres (m)	dm	1 place Right →	X by 10
metres (m)	cm	2 places Right →	X by 100
metres (m)	mm	3 places Right →	X by 1 000
decimetres (dm)	km	← 4 places Left	Divide by 10 000
decimetres (dm)	m	← 1 place Left	Divide by 10
decimetres (dm)	cm	1 place Right →	X by 10
decimetres (dm)	mm	2 places Right →	X by 100
centimetres (cm)	km	← 5 places Left	Divide by 100 000
centimetres (cm)	m	← 2 places Left	Divide by 100
centimetres (cm)	dm	← 1 place Left	Divide by 10
centimetres (cm)	mm	1 place Right →	X by 10
millimetres (mm)	km	← 6 places Left	Divide by 1 000 000
millimetres (mm)	m	← 3 places Left	Divide by 1 000
millimetres (mm)	dm	← 2 places Left	Divide by 100
millimetres (mm)	cm	← 1 place Left	Divide by 10

Units of Weight/Mass - Converting

tonnes (t)	kg	3 places Right →	X by 1 000
tonnes (t)	g	6 places Right →	X by 1 000 000
kilograms (kg)	t	← 3 places Left	Divide by 1 000
kilograms (kg)	g	3 places Right →	X by 1 000
grams (g)	t	← 6 places Left	Divide by 1 000 000
grams (g)	kg	← 3 places Left	Divide by 1 000

Units of Capacity/Volume - Converting

litres (l)	ml	3 places Right →	X by 1 000
litres (l)	cm ³ or cc	3 places Right →	X by 1 000
millilitres (ml)	l	← 3 places Left	Divide by 1 000
millilitres (ml)	cm ³ or cc	They're the same thing 😊	Just change the units 😊
cubic-centimetres (cm ³) or (cc)	l	← 3 places Left	Divide by 1 000
cubic-centimetres (cm ³) or (cc)	ml	They're the same thing 😊	Just change the units 😊