

The Metric System

	K ing	H enry	D ied	M iserable	d eath	c alled	m easles
	K	H	D		d	c	m
Length	kilometre km	hectametre	decametre	metre m	decimetre	centimeter cm	millimeter mm
Capacity	kilogram kg	hectagram	decagram	gram g	decigram	centigram	milligram mg
Weight	kilolitre	hectalitre	decalitre	litre <i>ℓ</i>	decilitre	centilitre	millilitre ml

Common conversions

1 kilometer (km) = 1000 metres (m)	1 metre (m) = 100 centimetres (cm)
1 kilogram (kg) = 1000 grams (g)	1 litre (ℓ) = 1000 millilitres (ml)

Common examples

km: distance	m: distance cm: rulers, measuring tapes
kg: food, personal weight g: food, cooking and baking mg: medicines	ℓ: household liquids, petrol ml: food, cooking and baking, medicines

Convert each of these to the measurement shown:

12m 48cm	=	_____ cm	3ℓ 250ml	=	_____ ml
2kg 40g	=	_____ g	75m 12cm	=	_____ cm
13km 900m	=	_____ m	100kg 250g	=	_____ g
15m 43cm	=	_____ cm	6ℓ 750ml	=	_____ ml
7kg 90g	=	_____ g	94m 10cm	=	_____ cm
63km 800m	=	_____ m	200kg 650g	=	_____ g

Convert each of these to the measurement shown:

3000g	=	_____ kg	1250ml	=	_____ ℓ
4500m	=	_____ km	6500mg	=	_____ g
5000g	=	_____ kg	7350ml	=	_____ ℓ
1250cm	=	_____ m	8200mg	=	_____ g
3000ℓ	=	_____ kl	700cm	=	_____ m
500ml	=	_____ ℓ	2250m	=	_____ km