

# Utility Industry Math Boot Camp

## Mathematics Manual

5. Using this table, convert the following metric units of measure as indicated.

1 hectare (ha) = 10,000 m<sup>2</sup>  
 1 cm<sup>3</sup> = 1 milliliter (mL)  
 1 L = 1,000 cm<sup>3</sup>

a.	10 km	=		cm	b.	470 mL	=		L
c.	0.008 cm	=		mm	d.	6.5 g	=		mg
e.	0.0054 kg	=		g	f.	360,000 g	=		kg
g.	24 m	=		cm	h.	0.1026 cm	=		μm
i.	985 pm	=		nm	j.	6,200 cm	=		km
k.	500 μL	=		mL	l.	500 mL	=		L
m.	56,600 g	=		kg	n.	64,600 cm <sup>3</sup>	=		L
o.	0.5 ha	=		m <sup>2</sup>	p.	78,000 m <sup>2</sup>	=		ha
q.	450 GB	=		MB	r.	0.075 m	=		mm
s.	$\frac{50\text{kg}}{1\text{cm}^2}$	=		$\frac{\text{g}}{1\text{m}^2}$	t.	$\frac{1\text{L}}{1\text{hr}}$	=		$\frac{\text{cm}^3}{1\text{sec}}$
u.	$\frac{5\text{g}}{1\text{cm}^3}$	=		$\frac{\text{kg}}{1\text{m}^3}$	v.	$\frac{0.5\text{mg}}{1\mu\text{L}}$	=		$\frac{\text{g}}{1\text{mL}}$
w.	$\frac{1\text{mg}}{1\text{mL}}$	=		$\frac{\text{g}}{1\text{cm}^3}$	x.	$\frac{0.125\text{km}}{1\text{hr}}$	=		$\frac{\text{cm}}{1\text{sec}}$
y.	$\frac{250\text{g}}{1\text{cm}^3}$	=		$\frac{\text{kg}}{1\text{L}}$	z.	1.5 da	=		nsec