

### **Metric/Nonmetric Conversions**

Given:	2.2 lb.	=	1.00 kg
	1.61 km	=	1.00 mile
	3.87 L	=	1.00 U.S. gal.
	4.54 L	=	1.00 Imp. gal. (Imperial gallon)
	1.00 atm	=	101.3 kPa (normal atmospheric pressure)

Convert the following (3 marks each- 1 for conversion factor, 1 for work and proper cancellations and one for the correct answer):

1. 172 lb. to kg.
2. 648 kPa to atm.
3. 25.899 L to Imp. gal.
4. 1852.4 km to mi.
5. 23.65 U.S. gallons to Imp. gal.
6.  $63.0 \text{ mi./}_h$  to  $\text{km/}_h$
7.  $70.0 \text{ mi./}_h$  to  $\text{m/}_s$
8.  $35.0 \text{ mi./}_{\text{Imp. gal}}$  to  $\text{km/}_L$

**Currency Conversions (as of June 10, 2002)**

Given:	\$1.4541 Can.	=	1.00 Euro (EEC)
	\$2.2478 Can.	=	£ 1.00 (UK)
	\$1.5394 Can.	=	\$ 1.00 U.S.
	\$0.1587 Can.	=	1.00 Peso (Mexico)
	\$1.00 Can.	=	¥ 80.9964 (Japanese Yen)
	\$0.0314 Can.	=	1.00 Rupee (India)
	\$1.00 U.S.	=	1223.00 Won (Korea)

Convert the following (3 marks each- 1 for conversion factor, 1 for work and proper cancellations and one for the correct answer):

1. \$300.00 Can. to £.
2. \$1025.00 Can. to pesos.
3. \$450.00 U.S. to yen.
4. £ 652.23 to Euros.
5. 8225.20 Won to £.
6. 3842.35 Yen to Rupees.
7. 9668.75 Euros to Won.