

8.3) Quantities and units

Worked example

Convert to SI units:

- 56 km h^{-1}
- 51 g cm^{-2}
- 40 cm per minute
- 42 g m^{-3}
- $5.4 \times 10^{-3} \text{ g cm}^{-3}$
- $3.6 \times 10^{-2} \text{ kg cm}^{-2}$

Your turn

Convert to SI units:

- 65 km h^{-1}
 18.1 ms^{-1} (3 sf)
- 15 g cm^{-2}
 150 kg m^{-2}
- 30 cm per minute
 $5 \times 10^{-3} \text{ ms}^{-1}$
- 24 g m^{-3}
 $2.4 \times 10^{-2} \text{ kg m}^{-3}$
- $4.5 \times 10^{-2} \text{ g cm}^{-3}$
 45 kg m^{-3}
- $6.3 \times 10^{-3} \text{ kg cm}^{-2}$
 63 kg m^{-2}