

## Problems in Metric Units 2

- 1) How many minutes would it take to travel 2.4km at 8.6m/s?
- 2) What is the volume (in litres) of a pipe 8m long with a radius of 15cm?
- 3) If plasticine has a density of  $1.8\text{g/cm}^3$ , what would be the volume (in litres) of 1 tonne of plasticine?
- 4) Water moves along a pipe with radius 6cm at a speed of 20cm/s, and empties into a tank.
  - (a) What volume of water issues from the pipe in 1 second?
  - (b) If the tank has a volume of 1200 litres, how long (to the nearest minute) will it take to fill the tank?