1   A solid metal sphere has a diameter of (3.42 ± 0.02) cm and a mass of (67 ± 2) g.

(a) Calculate the density, in $g\,cm^{-3}$, of the metal.

density = ... $g\,cm^{-3}$ [3]

(b) Determine the percentage uncertainty in the density.

percentage uncertainty = ...% [2]

[Total: 5]