**Question**

For a 100 g sample of nickel aluminide ($NiAl_3$) compound, calculate
   a) Mol of nickel aluminide
   b) Quantity of nickel aluminide molecules, nickel atoms, and aluminium atoms in the sample

Avogadro's number = $6.023 \times 10^{23}$ atoms/mol
Molecular weight of nickel = 58.71 g/mol
Molecular weight of aluminium = 26.98 g/mol