$$n = \frac{\left(\dfrac{100}{\dfrac{25\ \text{wt\%}}{6.17\ \text{g/cm}^3} + \dfrac{75\ \text{wt\%}}{8.00\ \text{g/cm}^3}}\right)(3.32 \times 10^{-8}\ \text{nm})^3(6.023 \times 10^{23}\ \text{atoms/mol})}{\left(\dfrac{100}{\dfrac{25\ \text{wt\%}}{171.3\ \text{g/mol}} + \dfrac{75\ \text{wt\%}}{162.0\ \text{g/mol}}}\right)}$$

$$= 1.00\ \text{atom/unit cell}$$

Therefore, on the basis of this value, the crystal structure is *simple cubic*.