

Hexa Decimal to Deciaml Number System data

$$(AB)_{16} \text{-----}(x)_{10}$$

$$\Rightarrow \begin{array}{cc} A & B \\ 16^1 & 16^0 \\ \Rightarrow A \times 16^1 + B \times 16^0 \end{array}$$

$$\Rightarrow 10 \times 16 + 11 \times 1$$

$$\Rightarrow 160 + 11$$

$$\Rightarrow 171 \text{----Decimal Number System data}$$

Decimal data to Hexa deciaml

$$(171)_{10} \text{-----}(x)_{16}$$

$$\begin{array}{l} 16 \overline{) 171} \\ \underline{160} \\ 10 \text{-----} 11 \text{-----} \rightarrow B \\ \underline{0} \text{----} 10 \text{----} \rightarrow A \end{array}$$