

$$\begin{array}{l}
 1101 \left\{ \begin{array}{l}
 \text{weights:} \quad 8 \quad 4 \quad 2 \quad 1 \\
 \text{bit:} \quad 1 \quad 1 \quad 0 \quad 1 \\
 \text{Sum of weights: } 8 + 4 + 1 = 13
 \end{array} \right.
 \end{array}$$

$$\begin{array}{l}
 \text{weights:} \quad 8 \quad 4 \quad 2 \quad 1 \\
 \text{bit:} \quad 1 \quad 1 \quad 1 \quad 1 \\
 \text{Sum of weights: } 8 + 4 + 2 + 1 = 15
 \end{array}$$

$$10 \rightarrow A$$

$$11 \rightarrow B$$

$$12 \rightarrow C$$

$$13 \rightarrow D$$

$$14 \rightarrow E$$

$$15 \rightarrow F$$

$$\frac{650}{16} = \overset{\text{quotient}}{40}.625$$

$$\rightarrow 0.625 \cdot 16 = 10$$

LSD

$$\frac{40}{16} = 2.5$$

$$\rightarrow 0.5 \cdot 16 = 8$$

$$\frac{2}{16} = 0.125$$

$$\rightarrow 0.125 \cdot 16 = 2$$

MSD

2 8 10

2 8 A

$$\begin{array}{r} 23_{16} \\ + 16_{16} \\ \hline 39_{16} \end{array}$$

$$\begin{array}{r} 3_{10} \\ + 6_{10} \\ \hline \end{array}$$

$$9_{10} = 9_{16}$$

$$\begin{array}{r} 2_{10} \\ + 1_{10} \\ \hline 3_{10} = 3_{16} \end{array}$$

$$\begin{array}{r} \text{DF}_{16} \\ + \text{AC}_{16} \\ \hline \end{array}$$

$$\begin{array}{r} \text{F}_{16} = 15_{10} \\ + \text{C}_{16} = 12_{10} \\ \hline 15 \\ 12 \\ \hline 27 \end{array}$$

$$\begin{array}{r} - 16 \\ \hline 11_{10} = \text{B}_{16} \end{array}$$

$$\begin{array}{r} 1 \\ \text{D} = 13 \\ + \text{A} = 10 \\ \hline 13 \\ + 10 \\ \hline 24 \\ - 16 \\ \hline 8 \end{array}$$

08

8B