

$$0101110_{(2)} \rightarrow_{(10)}$$

$$2^5 + 2^3 + 2^2 + 2^1 + 2^0 = 46_{(10)}$$

$$32 + 8 + 4 + 2 \rightarrow$$

$$0111(8) \rightarrow_{(10)}$$

$$004$$

$$8^1 + 8^0 = 9_{(10)}$$

$$0F4(16) \rightarrow_{(10)}$$

$$15 \cdot 16 + 4 \cdot 10^0 = 244_{(10)}$$

$$01111_{(2)} =_{(10)}$$

$$2^4 + 2^3 + 2^2 + 2^1 + 2^0 =$$

$$16 + 8 + 4 + 2 + 1 = 31_{(10)}$$

$$0145_{(10)} \rightarrow_{(2)} \quad 10010001_{(2)}$$

$$\begin{array}{r} 145 \overline{) 2} \\ 05 \overline{) 12} \overline{) 2} \\ 1 \overline{) 0} \overline{) 16} \overline{) 18} \overline{) 2} \\ 0 \overline{) 0} \overline{) 0} \overline{) 9} \overline{) 2} \\ 1 \overline{) 4} \overline{) 2} \overline{) 2} \\ 0 \overline{) 0} \overline{) 1} \end{array}$$

$$081_{(10)} \rightarrow_{(8)} \quad 0121_{(8)}$$

$$\begin{array}{r} 81 \overline{) 2} \\ 01 \overline{) 10} \overline{) 2} \\ 00 \overline{) 20} \overline{) 2} \\ 01 \overline{) 10} \overline{) 2} \\ 00 \overline{) 5} \overline{) 2} \\ 01 \overline{) 2} \overline{) 2} \\ 01 \overline{) 11} \end{array}$$

$$\begin{array}{r} 01110001_{(2)} \\ 8^1 + 8^0 = 9 \\ 8^2 = 64 \\ 8^3 = 512 \end{array}$$

$$01111(16) \rightarrow_{(10)}$$

$$16^3 + 16^2 + 16^1 + 16^0 = 4369_{(10)}$$

$$042(8) \rightarrow_{(10)}$$

$$8^1 + 4 + 2 \cdot 8^0 = 34_{(10)}$$

$$034(8) \rightarrow_{(2)}$$

$$\begin{array}{r} 1 \overline{) 1} \\ 2^2 + 2^1 + 2^0 + 2^1 + 2^2 + 2^0 \\ 011111_{(2)} \end{array}$$

$$01011110_{(2)} \rightarrow_{(10)}$$

$$2^6 + 2^5 + 2^4 + 2^3 + 2^2 + 2^1 + 2^0 =$$

$$2^6 + 2^5 + 2^4 + 2^3 + 2^2 + 2^1 + 2^0 =$$

$$64 + 32 + 16 + 8 + 4 + 2 + 1 = 127_{(10)}$$