

exercicios

$$\begin{array}{r} 1) \quad 1101 \\ + 1011 \\ \hline 11000 \end{array}$$

$$\begin{array}{r} 2) \quad 1001100_2 \\ + 111011_2 \\ \hline 10000011 \end{array}$$

$$\begin{array}{r} 3) \quad 01011100_2 \\ + 00111011_2 \\ \hline 10010111 \end{array}$$

$$\begin{array}{r} 2) \quad 1010 \\ - 0110 \\ \hline 0100 \end{array}$$

$$\begin{array}{r} 3) \quad (1 \times 2^4) \quad (0 \times 2^3) \quad (0 \times 2^2) \quad (1 \times 2^1) \quad (1 \times 2^0) \\ 16 \quad + \quad 0 \quad + \quad 0 \quad + \quad 2 \quad + \quad 1 \\ \hline 19 \end{array}$$

$$\begin{array}{r} 4) \quad 1110 \\ + 0111 \\ \hline 10101 \end{array}$$

$$\begin{array}{r} 5) \quad 1001 \\ - 0111 \\ \hline 0010 \end{array}$$

$$\begin{array}{r} 6) \quad 25 \div 2 \\ 1 \quad 12 \quad 2 \\ \quad 0 \quad 6 \quad 2 \\ \quad \quad 0 \quad 3 \quad 2 \\ \quad \quad \quad 1 \quad 1 \quad 2 \\ \quad \quad \quad \quad 1 \quad 0 \end{array}$$

$$\begin{array}{r} 7) \quad 101 \\ + 110 \\ \hline 1011 \end{array}$$

$$\begin{array}{r} 1011 \\ + 100 \\ \hline 1111 \end{array}$$

$$\begin{array}{r} 8) \quad 11000 \\ - 61011 \\ \hline 01001 \end{array}$$

9)

$$\begin{array}{l} (1 \times 2^5) \quad (0 \times 2^4) \quad (1 \times 2^3) \quad (1 \times 2^2) \quad (0 \times 2^1) \quad (1 \times 2^0) \\ 32 + 0 + 8 + 4 + 0 + 1 \\ \hline 45 \end{array}$$

$$\begin{array}{r} 10) \quad 111 \\ + 101 \\ \hline 1100 \end{array}$$

$$\begin{array}{l} (1 \times 2^3) \quad (1 \times 2^2) \quad (0 \times 2^1) \quad (0 \times 2^0) \\ 8 + 4 + 0 + 0 \\ \hline 12 \end{array}$$