

Atividade

$$1. \begin{array}{r} 10110 \\ 01101 \\ \hline 10010 \\ +1 \\ \hline 101001 = 01001 \end{array}$$

$$01001 = 9''$$

$$2. \begin{array}{r} 11000 \\ 01011 \\ \hline 10100 \\ +1 \\ \hline 101101 \end{array}$$

$$= 01101 = 13''$$

$$3. \begin{array}{r} 10100 \\ 00110 \\ \hline 10100 \\ +1 \\ \hline 11010 \end{array}$$

$$11010$$

$$01110 = 14''$$

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11

$$4. \begin{array}{r} 11110 \\ 10011 \\ \hline 01100 \\ +1 \\ \hline 101011 \end{array}$$

$$= 01011 = 11''$$

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1

$$5. \begin{array}{r} 101000 \\ 010100 \\ \hline 101011 \\ +1 \\ \hline 10101100 \end{array}$$

$$1010100$$

$$= 010100 = 20''$$

$$\begin{array}{r}
 \text{6- } 101111 \rightarrow 101111 \rightarrow 101111 \\
 010010 \rightarrow 101101 \rightarrow 101101 \\
 + 1 \rightarrow 1011101 \\
 \hline
 = 0111101 = 29 //
 \end{array}$$

$$\begin{array}{r}
 \text{7- } 110110 \rightarrow 110110 \rightarrow 110110 \\
 011010 \rightarrow 100101 \rightarrow 100101 \\
 + 1 \rightarrow 1011100 \\
 \hline
 = 0111100 = 28 //
 \end{array}$$

$$\begin{array}{r}
 \text{8- } 100000 \rightarrow 100000 \rightarrow 100000 \\
 001101 \rightarrow 110010 \rightarrow 110011 \\
 + 1 \rightarrow 1010011 \\
 \hline
 = 010011 = 19 //
 \end{array}$$

$$\begin{array}{r}
 \text{9- } 111001 \rightarrow 111001 \rightarrow 111001 \\
 101100 \rightarrow 100111 \rightarrow 100111 \\
 + 1 \rightarrow 1001101 \\
 \hline
 = 010100
 \end{array}$$

$$001101 = 13 //$$

$$\begin{array}{r}
 \text{10- } 01100 \rightarrow 01100 \rightarrow 01100 \\
 01100 \rightarrow 00111 \rightarrow 00111 \\
 + 1 \rightarrow 1001101 \\
 \hline
 = 001011 = 5 //
 \end{array}$$

Multiplication

$$\begin{array}{r} 1- 101 \\ \times 10 \\ \hline 000 \\ 101 \\ \hline 1010 \\ = 10_{11} \end{array}$$

$$\begin{array}{r} 2- 1101 \\ \times 11 \\ \hline 11101 \\ 1101 \\ \hline 100111 \\ = 39_{11} \end{array}$$

$$\begin{array}{r} 3- 1010 \\ \times 101 \\ \hline 1010 \\ 0000 \\ 1010 \\ \hline 110010 \\ = 50_{11} \end{array}$$

Division

$$\begin{array}{r} 1- 110010 \overline{) 11001} \\ \underline{10111} \\ 010 \\ \underline{- 10} \\ 0010 \\ \underline{- 00} \\ 1 \end{array}$$

$$\begin{array}{r} 2- 101010 \overline{) 110} \\ \underline{1101} \\ 1000 \\ \underline{- 110} \\ 010_{11} \end{array}$$

$$\begin{array}{r} 3- 1000001 \overline{) 101} \\ \underline{101} \\ 111 \\ \underline{- 101} \\ 1000 \\ \underline{- 101} \\ 011 \end{array}$$