

12/05/21

S T X Q S S D
L M M J V S D

$$\begin{array}{r} 123_{10} \\ \times (3) \\ \hline 1518 \\ (7) \end{array}$$

$$173_8 = 123_{10}$$

$$\begin{array}{r} 64 \quad 32 \quad 16 \quad 8 \quad 4 \quad 2 \quad 1 \\ 001 \quad 111 \quad 011 \end{array} \Rightarrow$$

parte de 3 em 3
cifras.

$$\begin{array}{r} 173_8 \\ \swarrow \downarrow \searrow \\ 001 \quad 111 \quad 011 \end{array}$$

$$64 + 32 + 16 + 8 + 2 + 1 =$$

$$123_{10}$$

04. Faça as seguintes conversões de hexa:

a. $123_{10} = ?_{16}$

$$\begin{array}{r} 123_{16} \\ (11) \quad 7 \end{array}$$

$$\Rightarrow 7B_{16}$$

$$11_{10} = B_{16}$$

$$123_{10} = 7B_{16}$$

$$\begin{array}{r} 0111 \quad 1011_2 \\ 0111 \quad 1011_2 = \end{array}$$

$$0111 \quad 1011_2 =$$

$$64 + 32 + 16 + 8 + 2 + 1 = 123_{10}$$

04. Faça as seguintes conversões decimais:

a. $11010111_2 = ?_8$ b. $CAFE_{16} = ?_2$ c. $CAFE_{16} = ?_8$

a. $\begin{array}{ccc} 0110 & 1011 & 1 \\ 3 & 2 & 7 \end{array} = 327_8$

b. $CAFE_{16} = 1100 \quad 1010 \quad 1111$
 1110_2

c. $CAFE_{16} = ?_8$

$$\begin{array}{cccc} CAFE \\ \swarrow \downarrow \searrow \swarrow \downarrow \searrow \\ 1100 & 1010 & 1111 & 1110 \end{array}$$

$$\begin{array}{ccccccc} 001100 & 1010 & 1111 & 1110_2 & = & 145.376_{10} & \approx & 433.740_8 \end{array}$$

$$\begin{array}{ccccccc} 1 & 4 & 5 & 3 & 7 & 6 \end{array}$$

$$145.376_{10}$$

$$(145.232)_{10}$$

$$(145.088)_{10}$$

$$(111.083)_{10}$$

$$(97.197)_{10}$$

$$145.376_8$$

$$CAFE_{16} \approx 433.740_8$$