

12/05/2025

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

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LISTA DE EXERCÍCIOS A06 A07

(1) - $10110 \rightarrow 22$ (10010) $\begin{array}{r} 10110 \\ + 10011 \\ \hline 01001 \end{array}$ $\boxed{01001}$
 $- 01101 \rightarrow 13$ $\begin{array}{r} +1 \\ 10011 \end{array}$ $\begin{array}{r} 10110 \\ + 10011 \\ \hline 01001 \end{array}$

(2) - $11000 \rightarrow 24$ (10100) $\begin{array}{r} 11000 \\ + 10101 \\ \hline 01101 \end{array}$ $\boxed{01101}$
 $01011 \rightarrow 11$ $\begin{array}{r} +1 \\ 10101 \end{array}$ $\begin{array}{r} 11000 \\ + 10101 \\ \hline 01101 \end{array}$

(3) - $10100 \rightarrow 20$ (11001) $\begin{array}{r} 10100 \\ + 11010 \\ \hline 01110 \end{array}$ $\boxed{01110}$
 $00110 \rightarrow 6$ $\begin{array}{r} +1 \\ 11010 \end{array}$ $\begin{array}{r} 10100 \\ + 11010 \\ \hline 01110 \end{array}$

(4) - $11110 \rightarrow 30$ (01100) $\begin{array}{r} 11110 \\ + 01101 \\ \hline 01011 \end{array}$ $\boxed{01011}$
 $10011 \rightarrow 19$ $\begin{array}{r} +1 \\ 01101 \end{array}$ $\begin{array}{r} 11110 \\ + 01101 \\ \hline 01011 \end{array}$

(5) - $101000 \rightarrow 40$ (101011) $\begin{array}{r} 101000 \\ + 101100 \\ \hline 010100 \end{array}$ $\boxed{010100}$
 $010100 \rightarrow 20$ $\begin{array}{r} +1 \\ 101100 \end{array}$ $\begin{array}{r} 101000 \\ + 101100 \\ \hline 010100 \end{array}$

(6) - $101111 \rightarrow 47$ (101101) $\begin{array}{r} 101111 \\ + 101110 \\ \hline 011101 \end{array}$ $\boxed{011101}$
 $010010 \rightarrow 18$ $\begin{array}{r} +1 \\ 101101 \end{array}$ $\begin{array}{r} 101111 \\ + 101110 \\ \hline 011101 \end{array}$

7) - $110110 \rightarrow 54$ (1100101) 110110
 $011010 \rightarrow 26$ $+1$ $+1100110$ 011100
 100110 1011100

8) - $100000 \rightarrow 32$ (110010) 100000
 $001101 \rightarrow 13$ $+1$ $+110011$ 010011
 110011 1010011

9) - 111001 (010011) 111001
 101100 $+1$ $+010100$ 001101
 010100 1001101

10) - $01100 \rightarrow 12$ (11000) 01100
 $00111 \rightarrow 7$ $+1$ $+11001$ 00101
 11001 100101

MULTIPLICAÇÃO

1) - 101
 $10x$ 1010
 000
 $101+$
 1010

3) - 1010
 $101x$ 110010
 1010
 $0000+$
 $1010++$
 110010

2) - 1101
 $11x$ 100111
 1101
 $1101+$
 100111

Divisão

$$\begin{array}{r}
 \boxed{4} - 11000 \overline{) 1100} \\
 \underline{- 10} \\
 010 \\
 \underline{- 10} \\
 00
 \end{array}$$
1100

$$\begin{array}{r}
 \boxed{5} - 101010 \overline{) 110} \\
 \underline{- 110} \\
 1001 \\
 \underline{- 110} \\
 00110 \\
 \underline{- 110} \\
 0
 \end{array}$$
111

$$\begin{array}{r}
 \boxed{6} - 1000001 \overline{) 101} \\
 \underline{101} \quad 0001 \\
 101 \quad 100
 \end{array}$$
0001