

BALOTARIO DE EJERCICIOS

SUMA:

1. $010 + 101 =$
2. $001101 + 100101 =$
3. $1011011 + 1011010 =$
4. $110111011 + 100111011 =$

RESTA:

1. $111 - 101 =$
2. $10001 - 01010 =$
3. $11011001 - 10101011 =$
4. $111101001 - 101101101 =$

MULTIPLICACION:

1. $10110101000101 \times 1011 =$
2. $10100001111011 \times 10011 =$

DIVISION:

1. $10110101000101 / 1011 =$
2. $10100001111011 / 10011 =$

DESARROLLO

SUMA:

1. $010 + 101 =$

$$\begin{array}{r} 010 \\ 101 \\ \hline 111 \end{array}$$

2. $001101 + 100101 =$

$$\begin{array}{r} 001101 \\ 100101 \\ \hline 110010 \end{array}$$

3. $1011011 + 1011010 =$

$$\begin{array}{r} 1011011 \\ 1011010 \\ \hline 10110101 \end{array}$$

4. $110111011 + 100111011 =$

$$\begin{array}{r} 110111011 \\ 100111011 \\ \hline 1011110110 \end{array}$$

RESTA:

1. $111 - 101 =$

$$\begin{array}{r} 111 \\ 101 \\ \hline 010 \end{array}$$

2. $10001 - 01010 =$

$$\begin{array}{r} 10001 \\ 01010 \\ \hline 00111 \end{array}$$

3. $11011001 - 10101011 =$

$$\begin{array}{r} 11011001 \\ 10101011 \\ \hline 00101110 \end{array}$$

4. $111101001 - 101101101 =$

$$\begin{array}{r} 111101001 \\ 101101101 \\ \hline 001111100 \end{array}$$

MULTIPLICACION:

3. $10110101000101 \times 1011 =$

$$\begin{array}{r} 10110101000101 \\ 1011 \\ \hline 10110101000101 \\ 10110101000101 \\ 00000000000000 \\ 10110101000101 \\ \hline 11111000111110111 \end{array}$$

4. $10100001111011 \times 10011 =$

$$\begin{array}{r}
 10100001111011 \\
 10011 \\
 \hline
 10100001111011 \\
 10100001111011 \\
 00000000000000 \\
 00000000000000 \\
 10100001111011 \\
 \hline
 110000000100100001
 \end{array}$$

DIVISION:

3. $10110101000101 / 111 =$

$$\begin{array}{r}
 1011 \ 01010 \ 0 \ 0101 \quad | \quad 111 \\
 \hline
 111 \downarrow \\
 1000 \\
 \hline
 111 \downarrow \\
 011 \\
 \hline
 000 \downarrow \\
 110 \\
 \hline
 000 \downarrow \\
 1101 \\
 \hline
 111 \downarrow \\
 1100 \\
 \hline
 111 \downarrow \\
 1010 \\
 \hline
 111 \downarrow \\
 110 \\
 \hline
 000 \downarrow \\
 1101 \\
 \hline
 111 \downarrow \\
 1100 \\
 \hline
 111 \downarrow \\
 1011 \\
 \hline
 111 \downarrow \\
 100
 \end{array}$$

4. $10100001111011 / 1011 =$

101000011 1 1 011	1011
<u>1011</u>	1110101110
10010	
<u>1011</u>	
1110	
<u>1011</u>	
111	
<u>0000</u>	
1111	
<u>1011</u>	
1001	
<u>0000</u>	
10011	
<u>1011</u>	
10000	
<u>1011</u>	
1011	
<u>1011</u>	
00001	
<u>0000</u>	
1	