

Zadatak 2. Zapiši u dekadskom sustavu brojeve:

- | | |
|----------------------|------------------------|
| 1) $1011_{(2)}$, | 2) $100101_{(2)}$, |
| 3) $1100101_{(2)}$, | 4) $110001011_{(2)}$, |
| 5) $11_{(8)}$, | 6) $24_{(8)}$, |
| 7) $126_{(8)}$, | 8) $3201_{(8)}$, |
| 9) $8_{(16)}$, | 10) $20_{(16)}$, |
| 11) $3A_{(16)}$, | 12) $2EB1_{(16)}$. |

Rješenje.

1) $1011_{(2)}$

$$\begin{array}{r|c|c|c|c|c|} 2 & 1 & 0 & 1 & 1 & \\ \hline & 1 & 2 & 5 & 11 & \end{array}$$

2) $100101_{(2)}$,

$$\begin{array}{r|c|c|c|c|c|c|c|} 2 & 1 & 0 & 0 & 1 & 0 & 1 & \\ \hline & 1 & 2 & 4 & 9 & 18 & 37 & \end{array}$$

3) $1100101_{(2)}$,

$$\begin{array}{r|c|c|c|c|c|c|c|} 2 & 1 & 1 & 0 & 0 & 1 & 0 & 1 & \\ \hline & 1 & 3 & 6 & 12 & 25 & 50 & 101 & \end{array}$$

4) $110001011_{(2)}$,

$$\begin{array}{r|c|c|c|c|c|c|c|c|c|} 2 & 1 & 1 & 0 & 0 & 0 & 1 & 0 & 1 & 1 & \\ \hline & 1 & 3 & 6 & 12 & 24 & 49 & 98 & 197 & 395 & \end{array}$$

5) $11_{(8)}$,

$$\begin{array}{r|c|c|} 8 & 1 & 1 & \\ \hline & 1 & 9 & \end{array}$$

6) $24_{(8)}$,

$$\begin{array}{r|c|c|} 8 & 2 & 4 & \\ \hline & 2 & 20 & \end{array}$$

7) $126_{(8)}$,

$$\begin{array}{r|c|c|c|} 8 & 1 & 2 & 6 & \\ \hline & 1 & 10 & 86 & \end{array}$$

8) $3201_{(8)}$,

$$\begin{array}{r|c|c|c|c|} 8 & 3 & 2 & 0 & 1 & \\ \hline & 3 & 26 & 208 & 1665 & \end{array}$$

9) $8_{(16)}$,

$$\begin{array}{r|c|} 16 & 8 & \\ \hline & 8 & \end{array}$$

10) $20_{(16)}$,

$$\begin{array}{r|c|c|} 16 & 2 & 0 & \\ \hline & 2 & 32 & \end{array}$$

11) $3A_{(16)}$,

$$\begin{array}{r|c|c|} 16 & 3 & 10 & \\ \hline & 3 & 58 & \end{array}$$

12) $2EB1_{(16)}$.

$$\frac{16}{2} \mid \frac{2}{2} \mid \frac{14}{46} \mid \frac{11}{747} \mid \frac{1}{11953}$$