

DWD1 - 12 - Zajęcia 1 - Zuzanna Gołębiowska  
e-mail : zuzgol1@st.amv.edu.pl

zad 1

$$a) (472)_8 = (100111010)_2$$

$$4 \rightarrow \begin{array}{l|l} 4:2 & 0 \\ 2:2 & 0 \\ 1:2 & 1 \end{array}$$

$$7 \rightarrow \begin{array}{l|l} 7:2 & 1 \\ 3:2 & 1 \\ 1:2 & 1 \end{array}$$

$$2 \rightarrow \begin{array}{l|l} 2:2 & 0 \\ 1:2 & 1 \\ & 0 \end{array}$$

$$b) (153)_8 = (1101011)_2$$

$$1 \rightarrow \begin{array}{l|l} 1:2 & 1 \\ & 0 \\ & 0 \end{array}$$

$$5 \rightarrow \begin{array}{l|l} 5:2 & 1 \\ 2:2 & 0 \\ 1:2 & 1 \end{array}$$

$$3 \rightarrow \begin{array}{l|l} 3:2 & 1 \\ 1:2 & 1 \\ & 0 \end{array}$$

$$c) (544)_8 = (101100100)_2$$

$$5 \rightarrow (101)_2$$

$$4 \rightarrow (100)_2$$

zad 2

$$a) (1101001001)_2 + (1001)_2 = (1101010010)_2$$

$$\begin{array}{r} \phantom{+} 11001 \\ \phantom{+} 1101001001 \\ \hline 1101010010 \end{array}$$

$$b) (5467271)_8 - (14311)_8 = (5452760)_8$$

$$\begin{array}{r} \phantom{-} 5467271 \\ \phantom{-} 14311 \\ \hline 5452760 \end{array}$$