

Lösung:

1. $17_{10} = 0001\ 0001_2$
 $53_{10} = 0011\ 0101_2$
 $127_{10} = 0111\ 1111_2$
 $65_{10} = 0100\ 0001_2$
 $47_{10} = 0010\ 1111_2$

2. $0101\ 1110_2 = 94_{10}$
 $1100\ 1001_2 = 201_{10}$
 $0010\ 0001_2 = 33_{10}$
 $0001\ 0110\ 0010\ 1100_2 = 5676_{10}$
 $0111\ 1111\ 1111\ 1111_2 = 32767_{10}$
 $1000\ 0000\ 0000\ 0000_2 = 32768_{10}$

3. $0001\ 1110_2 = 1E_{16}$
 $F9_{16} = 1111\ 1001_2$
 $100_{10} = 0110\ 0100_2$

4. $89_{10} = 0101\ 1001_2$
 $200_{10} = 1100\ 1000_2$
 $18_{10} = 0001\ 0010_2$
 $255_{10} = 1111\ 1111_2$

5. $0011\ 0110_2 = 54_{10}$
 $1010\ 1001_2 = 169_{10}$
 $0000\ 1111_2 = 15_{10}$
 $0001\ 0010\ 0011\ 0100_2 = 4660_{10}$
 $0111\ 1111\ 0000\ 0000_2 = 32512_{10}$

6. $0010\ 1111_2 = 2F_{16}$
 $A7_{16} = 1010\ 0111_2$
 $575_{10} = 23F_{16}$
 $3CD_{10} = 973_{10}$