

CSCI 2330 – Binary Exercises

1. How many values can be represented using a 9-bit binary number?
2. What is the minimum number of bits needed to represent decimal 80?
3. Write decimal value 230 in (a) binary using 8 bits, and (b) hex.
4. Write binary value 0b10001111 in (a) decimal, and (b) hex.
5. Write hex value 0x55 in (a) decimal, and (b) binary using 8 bits.
6. Write the largest 4-byte (byte, not bit!) value in hex.