

COS126 Number Systems Activity - Booksite 5.1

1. How is the binary integer 1001 represented in decimal?
2. How is the binary integer 1011 represented in decimal?
3. What is the hexadecimal representation of the binary integer 1001 1011?
4. Give the binary and hexadecimal representations of the decimal integer 100.

5. Give the **16 bit** binary representation of the decimal integer 100.

*For the next four questions, use **16-bit two's-complement** numbers.*

6. Give the **16 bit two's-complement** binary representation of the decimal integer -100.

7. What is the hex representation of decimal integer -100?

8. What is the decimal representation of the hex number FFFE?

9. What is the hex representation of the decimal number -27?