Binary: base 2  
Decimal: base 10  
Octal: Base 8  
Hexadecimal: base 16

**Remember Conversion Table:** As we will need to do conversions in code, class tests and tests. Must do these all without a calculator (ie decimal to ocal ect)

What does 64 bit computers mean?  
It means that the CPU registers are 64bit.

MSB: Most significant bit, is largest number

How do you represent a negative number?  
Have one of the 8 bits represent the negative. (The MSB represents it)  
-This limits the numbers we can represent, as we are down from 8 to 7 bits.

We can also use 2’s complement: we can look on our own.