- (3) How to convert from binary, octal or hexadecimal to decimal:
 - Put the place values (in decimal) under each of the positions in the number you are converting from
 - Multiple the value of the digit in each position by the decimal place value of that position and add the results.
 - The sum is the number in decimal
- (3) How to convert from decimal to binary, octal, or hexadecimal:
 - Lay out a grid of place values (in decimal) for the number system you are converting to starting with position 1 all of the way to the right and continuing back to the left as far as needed until you reach a point where the next place value is bigger than the number you are converting to
 - Starting with the leftmost position, take as many of that position as you can. Subtract from the original decimal number the quantity that you have already represented (value*position) to see how much you have left to represent.
 - Move one position to the right and repeat the above step.
 - Stop when you have represented all of the original decimal number or you have moved all of the way to the right.
- (2) How to convert from octal to binary or from binary to octal:
 - Make use of the fact that every octal digit does the work of three binary digits and visa-versa.
- (2) How to convert from hexadecimal to binary or from binary to hexadecimal:
 - Make use of the fact that every hexadecimal digit does the work of four binary digits and visaversa.
- (2) How to convert from hexadecimal to octal or from octal to hexadecimal:
 - Go through binary