**Hexadecimal number system:** It is base 16 number system which uses the digits from 0 to 9 and A, B, C, D, E, F.

**Decimal number system:**

It is base 10 number system which uses the digits from 0 to 9

**Decimal to hexadecimal conversion method:**

Following steps describe how to convert decimal to hexadecimal

Step1: Divide the original decimal number by 16

Step 2: Divide the quotient by 16

Step 3: Repeat the step 2 until we get quotient equal to zero.

Equivalent binary number would be remainders of each step in the reverse order.

**Decimal to hexadecimal conversion example:**

For example we want to convert decimal number 900 in the hexadecimal.

Step 1: 900 / 16 Remainder : 4 , Quotient : 56

Step 2: 56 / 16 Remainder : 8 , Quotient : 3

Step 3: 3 / 16 Remainder : 3 , Quotient : 0

So equivalent hexadecimal number is: 384

That is (900)10 = (384)16