**Decimal to (Binary , octal and Hexadecimal) :**

**1- To Binary :**

***Ex***: (353)10 = (?)2

 الباقي

 353 2 1 **LSB**

 176 2 0

 88 2 0

 44 2 0

 22 2 0

 11 2 1

 5 2 1

 2 2 0

 1 2 1 **MSB**

 0

 (353)10 = (101100001)2

***H.W.:*** (49302)10 = (?)2

 (10010)10 = (?)2

***EX***: (0.65625)10 = (?)2

 0.65625

 \_\_\_\_\_ 2 x

 1 1.31250

 **اول مرتبه بعد الفارزه**

 0.31250

 \_\_\_\_\_ 2 x

 0 0.62500

 \_\_\_\_\_ 2 x

 1 1.250

 2 x

 0 0.50

 2 x

 1 1.0

 (0.65625)10 = (0.10101)2

***H.W*.:** (0.8134)10 = (?)2

 (741.528)10 = (?)2

**2- to Octal :**

***EX*** : (254.75)10 = (?)8

  **الباقي**

 254 8 6 **LSB**

 31 8 7

 3 8 3

 0

 0.75

 8 x

 6 6.00

 (254.75)10 = (376.6)8

***H.W.* :** (3070.446)10 = (?)8

 (7706.77)10  = (?)8

**3- to Hexadecimal :**

***EX***: (567.1875)10 = (?)16

 567 16 7 **LSB**

 35 16 3

 2 16 2

 0

 0.1875

 16 x

3 3.0000

 (567.1875)10 = (237.3)16

***H.W.***(1005.36)10 = (?)16

 (3987.055)10 = (?)16