**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