Number Systems 1

Part A.

1. $365_{10} \rightarrow$ Base 2

3	6	5
↓	↓	↓
011	111	101

↓

011 111 101

Binary	D
000	0
001	1
010	2
011	3
100	4
101	5
111	6

or

$2^\wedge$	Value	Count	RT	REM	Binary
2^8	256	1	256	109	
2^7	128	1		237	
2^6	64	1		301	
2^5	32	1		333	
2^4	16	1		349	
2^3	8	1		357	
2^2	4	0		361	
2^1	2			363	
2^0	1			364	