

WORKSHEET – COUNTING IN BINARY & OTHER BASES

EXERCISE 1 - Complete the following counting exercises that start at 0.

BASE	SYMBOLS	COUNTING STARTING AT ZERO					
Base 2	0, 1	0	1	10	11		
Base 3	0, 1, 2	0	1	2			
Base 8	0 - 7	0					
Base 5		0					

EXERCISE 2 - Complete the following counting exercises that start at specific numbers.

BASE	SYMBOLS	COUNTING STARTING AT ANY NUMBER					
Base 2	0, 1	100					
Base 2	0, 1	1110					
Base 3	0, 1, 2	12					
Base 8		74					

EXERCISE 3 - Complete the following counting exercises related to hexadecimal.

BASE	SYMBOLS	COUNTING STARTING AT ANY NUMBER					
Base 16	0-9,A-F	7					
Base 16	0-9,A-F	D					
Base 16	0-9,A-F	98					
Base 16	0-9,A-F	FB					