

### Powers of 2:

$2^0 = 1$	$2^4 = 16$	$2^8 = 256$
$2^1 = 2$	$2^5 = 32$	$2^9 = 512$
$2^2 = 4$	$2^6 = 64$	$2^{10} = 1024$
$2^3 = 8$	$2^7 = 128$	

which of the 50 states?

What is  $B8_{16}$  in binary?

5-bit unsigned number 01010

001011  
XOR 110011

162 / 2 = rem  
/ 2 = rem  
/ 2 = rem  
/ 2 = rem  
/ 2 = rem  
/ 2 = rem  
/ 2 = rem  
/ 2 = rem

Decimal	Binary	Hex
0	0000	0
1	0001	1
2	0010	2
3	0011	3
4	0100	4
5	0101	5
6	0110	6
7	0111	7
8	1000	8
9	1001	9
10	1010	A
11	1011	B
12	1100	C
13	1101	D
14	1110	E
15	1111	F

	0	1	0	1	1	Augend (11)
+	0	1	1	1	0	Addend (14)
						Sum

