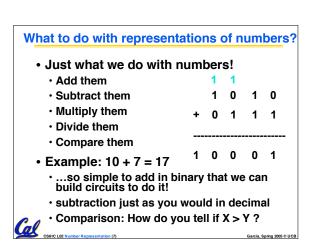
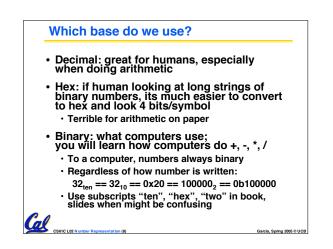
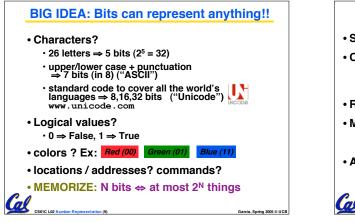
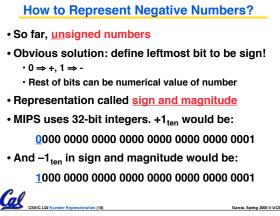


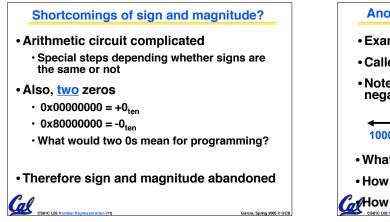
Decimal vs. Hexadecimal vs. Binary				
Examples:	00 0	0000		
1010 1100 0011 (binary)	01 1 02 2 03 3	0001 0010 0011		
= 0xAC3	04 4 05 5	0100 0101		
10111 (binary) = 0001 0111 (binary)	06 6	0110		
= 0x17	08 8 09 9	1000 1001		
0x3F9 = 11 1111 1001 (binary)	10 A 11 B	1010 1011		
How do we convert between	12 C 13 D	1100 1101		
hex and Decimal?	14 E 15 F	1110 1111		
		Garcia, Soring 2005 @ UCB		
		Gancia, Spilling 2005 @ 0 CB		

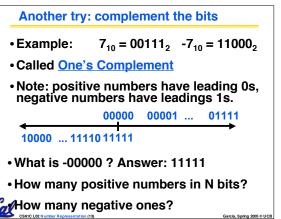


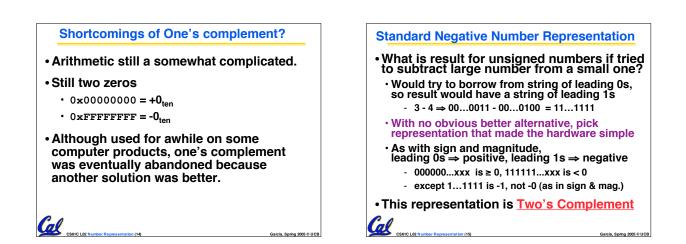


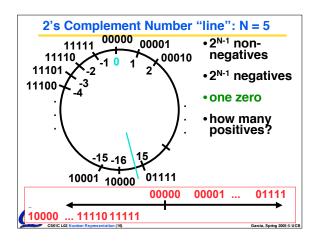


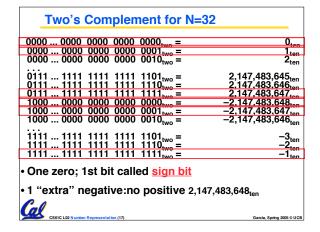


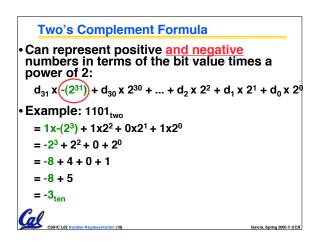


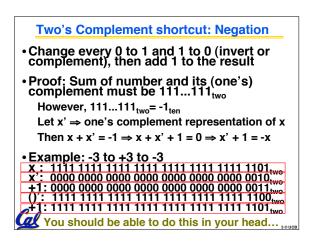


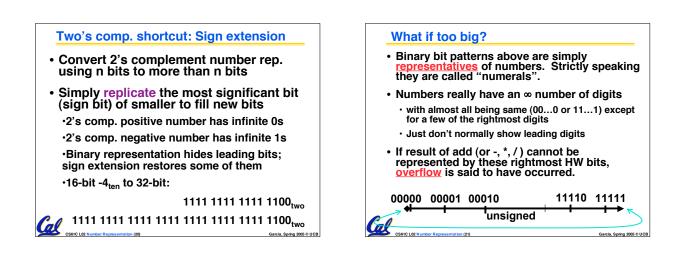


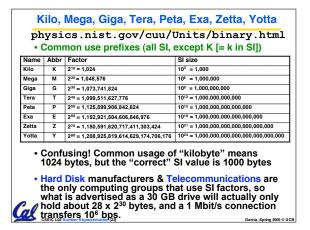












k	kibi, mebi, gibi, tebi, pebi, exbi, zebi, yobi					
_	en.wikipedia.org/wiki/Binary_prefix					
New IEC Standard Prefixes [only to exbi officially]						
	Name	Abbr	Factor			
	kibi	Ki	2 ¹⁰ = 1,024	As of this		
	mebi	Mi	2 ²⁰ = 1,048,576	writing, this		
	gibi	Gi	230 = 1,073,741,824	proposal has		
	tebi	Ti	2 ⁴⁰ = 1,099,511,627,776	vet to gain		
	pebi	Pi	250 = 1,125,899,906,842,624	· ·		
	exbi	Ei	260 = 1,152,921,504,606,846,976	widespread		
	zebi	Zi	270 = 1,180,591,620,717,411,303,424	use		
	yobi	Yi	280 = 1,208,925,819,614,629,174,706,176			
•	 International Electrotechnical Commission (IEC) in 1999 introduced these to specify binary quantities. 					
 Names come from shortened versions of the original SI prefixes (same pronunciation) and bi is short for "binary", but pronounced "bee" :-(
Cal	• Now SI prefixes only have their base-10 meaning and never have a base-2 meaning.					

