## MULTIPLICATION and DIVISION

Multiplication in different base

i) 
$$\frac{2345}{x} = \frac{25}{10} = \frac{230}{53}$$
  
 $\frac{1725}{1725}$ 

4) 
$$(221203)_3$$
  
 $(2)_3$   
 $(1220111)_3$ 

(72TU). 30/1  $\chi$   $(s)_{Q}$ 44274 36/4 A -> 10 B-11 C->12 D-113 8-314 P-315 Division direct is complicated o. # Better Convert both to decimal diwide and get back to decimal

## Un Signed Number Vs Signed Number

Number Signed Number Un Signed Number Signed No -> without the or-ne Sign has only magnitude followed by mag J'In nature we need unsigned number protet 2 loss, temp scale needs signed It in bits number I All bits are used to represent magnitude one bot represents the sign bit, rest n-1 bits  $E_{\chi:-}$  3bP+S  $\rightarrow$  (largest 2 smallest no) store magnirude for uniturn process (MSB) bits sign. 0 -1 +ve -> Range Oto 2nd1 1 -3 -re nd no. bits. n= 3 0 to 23-1 3 Methods to represent (Fot 0) DSIgn magnitude Comp J Ex: 432 En: -2, -43