CLASS HANDOUT. BASE 4 NUMBERS.

You have only 4 digits: 0, 1, 2, 3. When you have 4 items, you simply do not have digit 4 to use. You have to go to the next digit position. Let's name 4 items with a □ , and 16 items with a ⊞

Base 10	Base 4	Base 4 meaning		Base 10	Base 4	Base 4 meaning
0	0	0				
1	1	1				
2	2	2				
3	3	3				
4	10	□				
5		□ + 1				
6		+ 2				
7						
8		2□				
9						
10						
11						
12						
13						
14						
15						
16		⊞				
17		⊞ +1				
18						
19						
20		⊞ + □				