- A. Multiplying by 25 is one of the basic multiplication methods in number sense.
 - 1. You can rewrite 25 to be $100 \div 4$. So the first step is to divide by 4 and write this number down.
 - 2. Depending on the remainder, referred to as (n MOD 4), the last numbers are the following:
 - a) If (n MOD 4) = 0 then the last numbers are 00.
 - b) If (n MOD 4) = 1 then the last numbers are 25.
 - c) If (n MOD 4) = 2 then the last numbers are 50.
 - d) If (n MOD 4) = 3 then the last numbers are 75.

B. Examples:

- Ex [1] 25 x 84 =_____.
 - a) $84 \div 4 = 21$. Write 21.
 - b) Since there is no remainder the last numbers are 00.
 - c) The answer is 2100.
- Ex [2] 113 x 25 =_____.
 - a) $113 \div 4 = 18$ with a remainder of 1. Write 18.
 - b) The last numbers are 25.
 - c) The answer is 1825.