Problem set:

1. How many numbers …100-1000… divisible by 3? 5? 15?

Answer: each 30 have 10 numbers that is divisible by 3, thus 1000-100 =990 then 990/ 30 = 33 so there are 33\*10 = 330 numbers

Answer2: each 10 have 2 numbers that is divisible by 5, thus 1000-100 = 990 then 990/10 = 99 so 99\*2 = 198 +1 = 199numbers

Answer3:each 45 have 3 numbers that is divisible by 15, thus 990/45\*3 = 22\*3 = 66numbers