to be paired of 16, so we should put those two number into the set make sure at least there are two added up to 16.

5. From 1 to 100, there are 20 integers that are divisible by 5. These integer are 5, 10, 15, ..., 20. In order to be certain that one of integer chosen is divisible by 5, We need to pick $(100 - 20 + 1) = 81$ integers.