COMP 2711: Discrete Mathematical Tools for Computer Science

In Class Exercise #6

1. $Z_n = \{0, 1, 2, \ldots, n-1\}$
    a) **How many 5-element subsets does Z_{10} have?**

    Answer:

    b) **How many 5-element subsets of Z_{10} contain at least one element in Z_3?**

    Answer:

    c) **How many 5-element subsets of Z_{10} that contain two odd and three even numbers?**

    Answer: