Set Theory

Representing Information in a Venn diagram

1) 23 students were asked whether they like chicken or ribs.
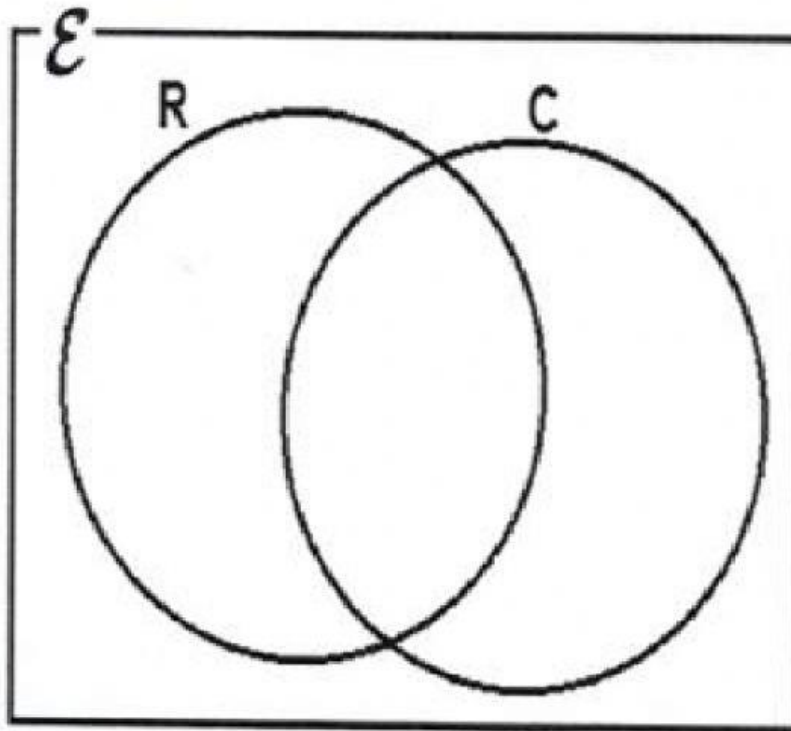
    3 students liked ribs only.
  10 students liked both ribs and chicken.
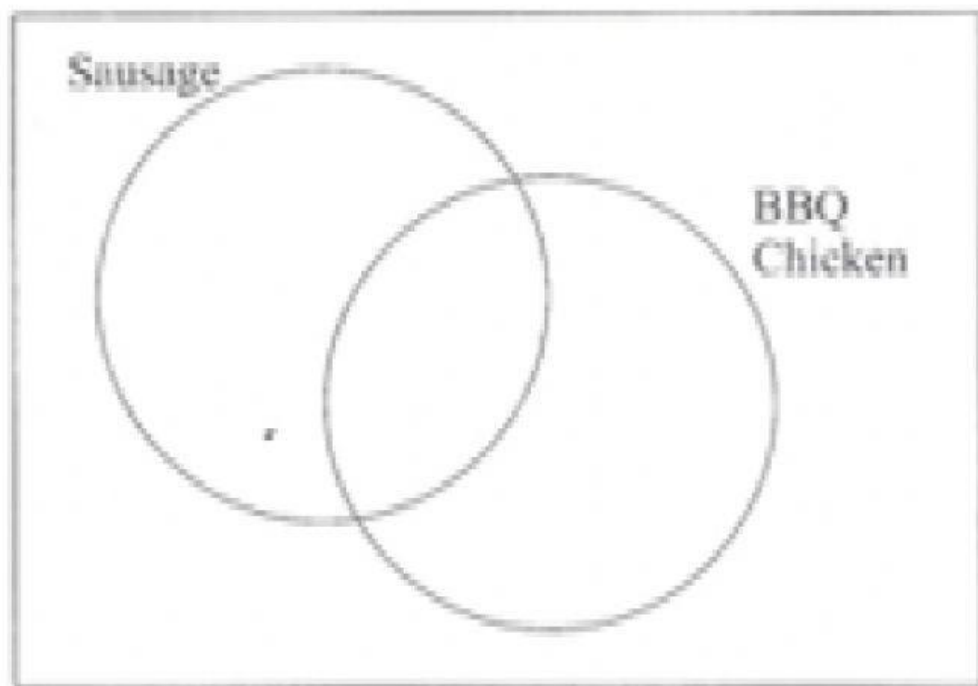 14 students likes chicken.
   6 like neither ribs nor chicken.

Complete the Venn diagram below to show this information.

2) (i) 5 liked sausage, 6 liked BBQ chicken, 4 liked sausage and BBQ
        Chicken, 3liked neither.

    Complete the Venn diagram to show this information

(ii) Use the diagram to state how many friends were in this group.