1) In a class of 40 students, 12 enrolled for both English and german, 22 enrolled for german. If the students of the class enrolled for atleast one of the two subjects, then how many students enrolled for only English and not german?

2) In a group of 15, 7 have studied latin, 8 have studied greek, and 3 have not studied either. How many of these studied both latin and greek?

3) In a group of 50 musicians, 28 play pop music and 20 play classical music. If 10 musicians play neither of the two kinds of music. Find the number of musicians who play both kind of music?

4) In a class of 40% of the students enrolled for maths and 70% enrolled for economics. If 15% of the students enrolled for both maths and economics. What % of the students of the class did not enroll for either of the two subjects?

5) At the birthday party of sherry, a baby boy, 40 persons choose to kiss him and 25 choose to shake hands with him. 10 persons choose to both kiss and shake hands with him. How many persons turned out at the party?

6) In a class of 64 students, 50% of the students have taken sociology and 75% of the students have taken political science. All students have chosen either one subject. How many students have taken both the subjects?

7) In a class 42% of students like cricket, 5% like both cricket and football, 10% like none. If 96 students like only football then how many students like only cricket?

8) In an examination 24 out of 80 students failed in English, 40% failed in hindi and 20% failed in both. How many students successfully cleared both the subjects?

9) In an examination 38% of students fail in English and 61% pass in hindi and 23% fail in both. Find the actual failure percentage?

10) Khan the barber shaved 40% of his customers and did haircut for 80% of his customers and did both for 20% of his customers. He charges Rs.25 for a shave and Rs.60 for a haircut. What were khan’s earnings if there were 175 customers?

11) In a class each student likes either cricket or football. 40% of the student likes football, 80% of the student like cricket. The number of students who like only cricket is 40 more than the number of students who like only football. Then the strength of the class is?

12) In a village of 40 farmers, the number farmers who grew sugarcane is half the number who grew paddy. Each farmer in the village grew atleast one of the two crops. If five farmers grew both the crops. How many farmers grew sugarcane?

13) In an examination 43% passed in maths, 52% passed in physics and 52% passed in chemistry. Only 8% students passed in all the three. 14% passed in maths and physics and 21% passed in math and chemistry and 20% passed in physics and chemistry. Number of students who took the exam is 200.

a) Then how many students passed in maths only?

b) Find the ratio of students passing in maths only to the students passing in chemistry only?

c) What is the ratio of number of students passing in physics only to the students passing in either physics (or) chemistry (or) both?

d) A student is declared pass in the exam only if he/she clears atleast two subjects. The number of students who were declared passed in this exam is?

14) How many numbers are there between 1 and 100 that are not divisible by 2,3 and 5?

15) A school has 63 students studying physics, chemistry and biology. 33 studies physics, 25 studies chemistry and 26 biology. 10 studies both physics and chemistry, 9 studies biology and chemistry, while 8 study both physics and biology. Equal numbers study all three subjects as those who learn none of the three. How many studies all the three subjects?

16) In a college 70% of students study maths, 75% studied English, 85% studied French and 80% studied german. What is the percentage atleast must have studied all four subjects?