Venn diagram of Blood Types

1) Human blood can be classified into types of A, B, AB or O. Furthermore, each of these types is classified as positive or negative depending on whether the antigen called Rh is present. Also note that O blood type refers to the absence of either the A or B blood types.

- 60 patients have the A antigen
- 50 patients have the B antigen
- 65 patients have the Rh antigen
- 15 patients have both the A and B antigen
- 20 patients have both the B and Rh antigen
- 30 patients have both the A and Rh antigen
- 5 patients have all three antigens
- 10 patients have none of the antigens

a) How many patients were surveyed?

b) How many patients have AB+ blood?

c) How many patients have A+ blood?

d) How many patients have O- blood?

e) How many patients have exactly one antigen?