Name _____   Date _____

Using Venn Diagrams Problems - Guided Lesson

Complete the following problems:

1) 350 registered voters were polled. 42% classified themselves as a Republican voter and 48% respond back identifying with the values of a Democrat. The remaining poll takers said that they have switch their alliance between the two parties at one time or another at some point in their lives.

How many people said they have always been a Democrat?

2) At a school annual function 86 students participated. 60 students said they wanted to take a part in dance. 30 people wanted to take a part in a drama event. 10 people want to take a part in poetry lessons. 20 students said that they wanted to take both dance and drama; of these 6 wanted to take poetry as well.

How many students want to take part in dance only?

3) In an office with 12 employees, 8 employees drink tea, 7 drink coffee, and 5 employees drink tea or coffee both. 2 employees drink milk.

How many employees drink only tea?