

Example

There are 19 boys who belong to the Breakfast Club. 12 like ham, 8 like sausage and 5 like both ham and sausage. How many in the club like ham only? Only like sausage?

The best way to start these types of problems is to create a Venn Diagram labeling the circles as H for ham and S for sausage. The intersection of the circles represents the members of the club that like both ham and sausage.

