Answer on Question #48229 – Math – Discrete Mathematics

1. In a survey of a TriDelt chapter with 50 members, 19 were taking mathematics, 35 were taking English, and 9 were taking both. How many were not taking either of these subjects?

Solution.

If we summarize members taking mathematics and members taking English, we will obtain the total number of members taking mathematics or English, but members taking both will be counted twice. So, the total number of members taking mathematics or English can be found in the following way: 19+35-9=45. Thus, members not taking either of two subjects can be counted by subtracting members taking mathematics or English from all members: 50-45=5.

Answer: 5.