In a survey of a TriDelt chapter with 50 members, 19 were taking mathematics, 35 were taking English, and 6 were taking both. How many were not taking either of these subjects

Solution.

1.The number of members who were taking only mathematics equals

$$19 - 6 = 13.$$

2.The number of members who were taking only English equals

$$35 - 6 = 29.$$

3.The number of members who were taking only one subject equals

$$13 + 29 = 42.$$

4.The number of members who were taking mathematics or English or both subjects equals

$$42 + 6 = 48.$$

5.The number of members who were not taking any subject equals

$$50 - 48 = 2.$$

Answer: 2.