Some of the Computer Science students at Brooklyn College are taking language courses. There are three such courses: Latin, Sanskrit, and Mandarin. Given the following data, find the number of Computer Science students in Brooklyn College.

- 65 study Latin; 45 study Sanskrit, and 42 study Mandarin.
- 20 study Latin and Sanskrit, 25 study Latin and Mandarin, and 15 study Sanskrit and Mandarin.
- 8 study all three languages while 50 study none of the languages.

Justify your answer.