

Answer on Question #83242 – Math – Statistics and Probability

Question

There are Forty houses in a housing estate. Twenty five of them have door-phones and 19 have door bells. If there is no house with either of the system. Find how many houses have both door bell and door-phone.

Solution

If 25 houses have door-phones and 19 have door bells, but the total number of houses is 40, then there should be 4 houses with both systems.

Because $25 + 19 - 40 = 4$

Answer:

4 houses have both door bell and door-phone.