Warehouse location

You have a small business and need a warehouse for your products. You have customers in 5 places and you know how many times you delivered your products to each customer last year: Vähärauma (90 deliveries), Vihelä (105), Friitala (120), Harjunpää (60) and Pinomäki (130).

Where should you place your warehouse in order to <u>minimize the distance</u> you need to travel based on the information from last year?

The map below shows the coordinates for the places. For example the distance between Karhu (15,7) and Hankreeti (3,6) is $\sqrt{(15-3)^2 + (7-6)^2}$