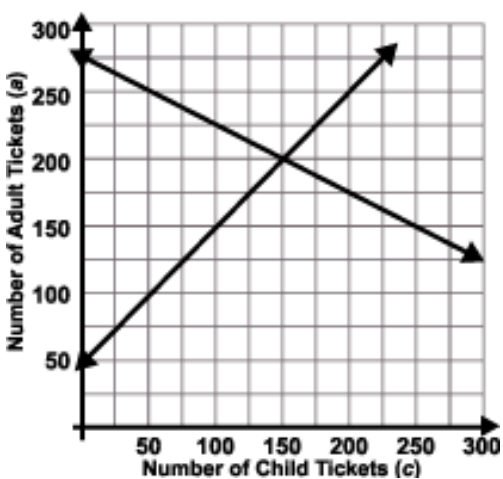


At a charity banquet, tickets cost \$10 for one adult and \$5 for one child. The charity collects \$2,750. The number of tickets sold to adults, a , is 50 more than the number of tickets sold to children, c . This can be described by a system of equations and by a graph:

$$10a + 5c = 2,750 \text{ and } a = c + 50$$



How many adult tickets were sold?