## Answer on Question \#70107 - Math - Algebra

## Question

1. The admission fee at an amusement park is $\$ 1.50$ for children and $\$ 4.00$ for adults. On a certain day, 299 people entered the park, and the admission fees collected totaled $\$ 936$. How many children and how many adults were admitted?

## Solution

$x=$ number of children, then $(299-x)=$ number of adults.
Then

$$
\begin{gathered}
1.5 \cdot x+4 \cdot(299-x)=936 \\
-2.5 \cdot x=936-1196 \\
-2.5 \cdot x=-260 \\
x=104
\end{gathered}
$$

$$
299-x=299-104=195
$$

Answer: 104 children, 195 adults.

