Answer on Question #70107 – Math – Algebra

Question

 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

$$1.5 \cdot x + 4 \cdot (299 - x) = 936$$

-2.5 \cdot x = 936 - 1196
-2.5 \cdot x = -260
x = 104
$$299 - x = 299 - 104 = 195$$

Answer: 104 children, 195 adults.

Answer provided by https://www.AssignmentExpert.com