## Answer on Question \#64697 - Math - Algebra

## Question

A ticket agency charges $9.5 \%$ fee on all tickets sold. If a ticket costs $\$ 40$, what is a fee?

## Solution

If $\$ 40$ includes a $9.5 \%$ fee, then we have the following equation:

$$
\begin{gathered}
x+0.095 x=40 \\
1.095 x=40 \\
x \approx 36.53
\end{gathered}
$$

Then 9.5\% free is

$$
0.095 x=0.095 \cdot 36.53=3.47
$$

Answer: \$3.47.

