If the bill for your lunch is $8.00 and you leave a tip of $0.96, what percent of the cost of the meal was your tip?

\[
\begin{align*}
0.96 \text{ is } w \% \text{ of } 8.00 \\
\text{tip is } w \% \text{ of meal} \\
96 \text{¢ proportion}
\end{align*}
\]

Equation:

\[
\frac{0.96}{8} = \frac{w}{100}
\]

John White 0.96 = w (8)
\[
\frac{8}{8} \frac{0.12 = w}{0.12 \text{ change to } \%}
\]

\[
\frac{0.12}{100} \%
\]

\[
\frac{12 \%}{\frac{12}{100}}
\]

\[
\begin{align*}
8 \frac{0.96}{8} & -8.4 \\
& -16 \\
& -16
\end{align*}
\]

DANGER