Calculating A Guest’s Age

**STEP 1**
Add 20 to the guest’s birth year.

\[
\begin{align*}
\text{Birth Year} & \quad + \quad 20 \quad = \quad \text{Year Total} \\
1996 & \quad + \quad 20 \quad = \quad 2016
\end{align*}
\]

**STEP 2**
Add 1 to year total.

\[
\begin{align*}
\text{Year Total} & \quad + \quad 1 \quad = \quad \text{Calculated Year} \\
2016 & \quad + \quad 1 \quad = \quad 2017
\end{align*}
\]

**STEP 3**
Compare the calculated year to the current year.

\[
\begin{align*}
\text{Calculated Year} \quad & \quad \text{to} \quad \text{Current Year} \\
2017 \quad & \quad 2016
\end{align*}
\]

**IF**
- the calculated year occurs **before** the current year **THEN** the guest is 21 years old or older.
- the calculated year occurs **after** the current year **THEN** the guest is underage.
- the calculated year **matches** the current year **AND** the guest’s birthday has passed **THEN** the guest is 21 years old.
- the calculated year **matches** the current year **AND** the guest’s birthday has not passed **THEN** the guest is underage.

**NOTE:** The guest above is underage.