## Harmonic Triangles

Can you see what the rules for making the next line are?

Can you work out the next two rows?
Will the second diagonal ( $1 / 2,1 / 6,1 / 12 \ldots$ ) always contain unit fractions?
Can you prove it?

Can you prove it?

$$
\begin{array}{lllllll} 
& \frac{1}{4} & \frac{1}{12} & \frac{1}{12} & \frac{1}{4} \\
& \frac{1}{5} & \frac{1}{20} & \frac{1}{30} & \frac{1}{20} & \frac{1}{5} \\
\frac{1}{6} & \frac{1}{30} & \frac{1}{60} & \frac{1}{60} & \frac{1}{30} & \frac{1}{6}
\end{array}
$$

