$C_2H_5OH \rightarrow C_2H_4+H_2O$.

The relative formula mass of water is 18. The relative formula mass of ethene is 28. Calculate the atom economy for the production of ethene in the above reaction.

Use the equation:

Atom economy = $\frac{\text{mass of required product} \times 100\%}{\text{total mass of products}}$