Given a commutative ring $R$ and a class $\mathcal{C}$ of $R$-modules, does every element of $\mathcal{C}$ decompose uniquely as a direct sum of indecomposable elements of $\mathcal{C}$? If not, is it possible for an element of $\mathcal{C}$ to decompose as the direct sum of both $s$ and $t$ indecomposable elements of $\mathcal{C}$, where $s \neq t$? I discuss these questions when $R$ is a one-dimensional reduced Noetherian local ring and $\mathcal{C}$ is the class of maximal Cohen-Macaulay $R$-modules. (Received August 12, 2009)