In this talk, we introduce linear fractional order $h$-difference equations, where the order of the equation is any non-integer positive real number. The nabla fractional operators are used in the sense of Riemann-Liouville definition. We obtain the general solution of the fractional order equation by means of Mittag-Leffler type functions. Several properties of the Mittag-Leffler type functions are obtained. As an application, an eigenvalue problem with Dirichlet boundary condition is considered. We give a method for explicit calculation of the eigenvalues of the boundary value problem. (Received September 14, 2020)