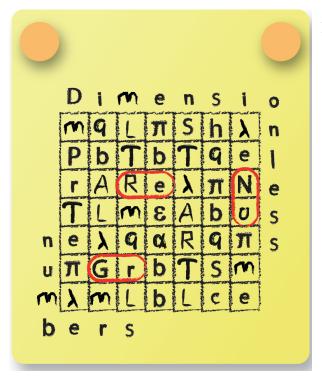


Dimensionless Number: Task 13



Define the Fourier number.



Fourier number is defined as Fo = $\frac{at}{L^2} = \frac{\lambda t}{c_p \rho L^2}$. It characterizes unsteady heat transport considering the material's thermal inertia.