Concrete Example:

Volume $V = [0,1]^3$

Field $\mathbf{F} = \langle x, y, z \rangle$

RHS (Volume):

$\nabla \cdot \mathbf{F} = 1 + 1 + 1 = 3$

$\iiint_V 3 \, dV = \mathbf{3}$

LHS (Flux):

Faces at 1: $1 + 1 + 1 = 3$

Faces at 0: $0 + 0 + 0 = 0$

Total Flux $= \mathbf{3}$