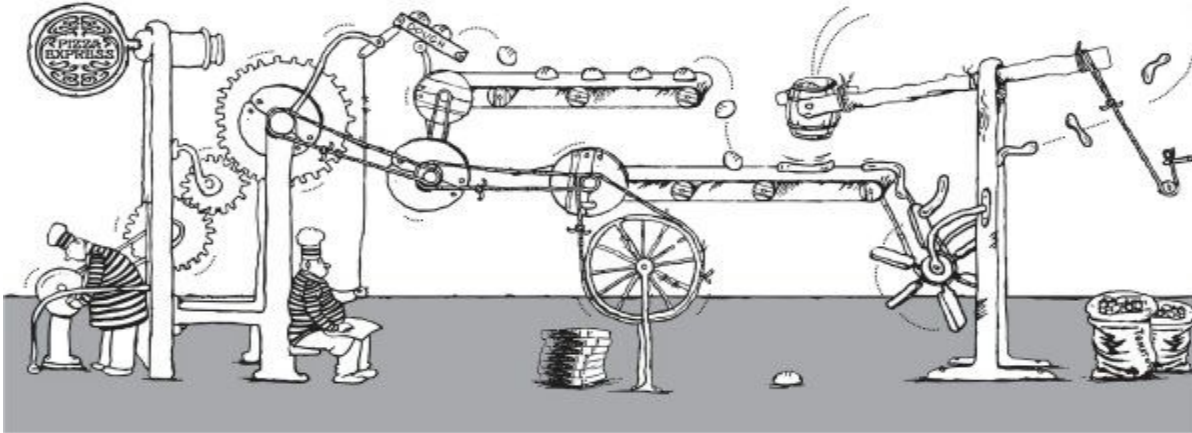


SEPARATION OF VARIABLES: THE WORKSHEET!



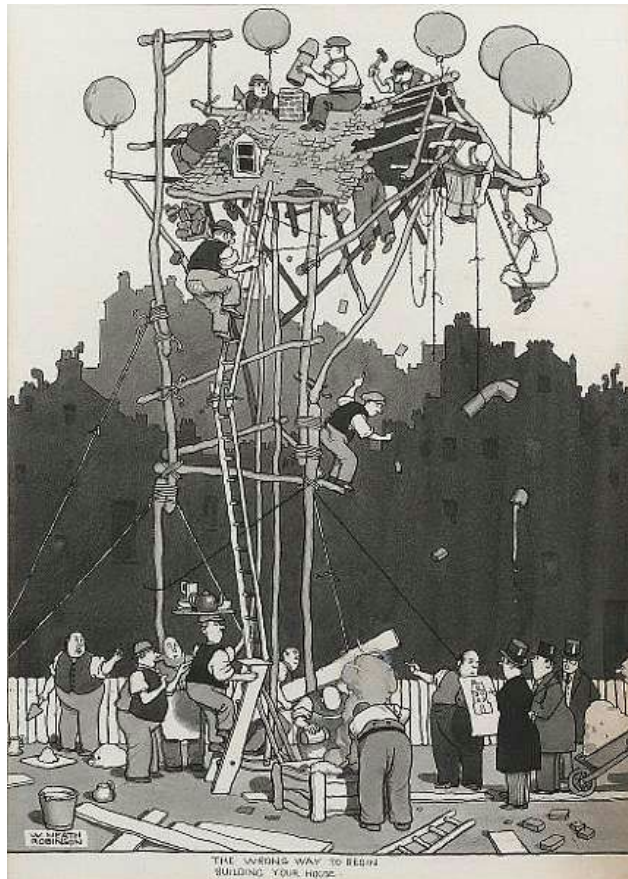
24. $\frac{dy}{dt} = y^2(1+t)$, $y = 2$ when $t = 1$

25. $\frac{dz}{dt} = z + zt^2$, $z = 5$ when $t = 0$

26. $\frac{dw}{d\theta} = \theta w^2 \sin \theta^2$, $w(0) = 1$

27. $\frac{dw}{d\psi} = -w^2 \tan \psi$, $w(0) = 2$

28. $x(x+1)\frac{du}{dx} = u^2$, $u(1) = 1$



THE SUREST WAY TO BEGIN BUILDING YOUR HOUSE