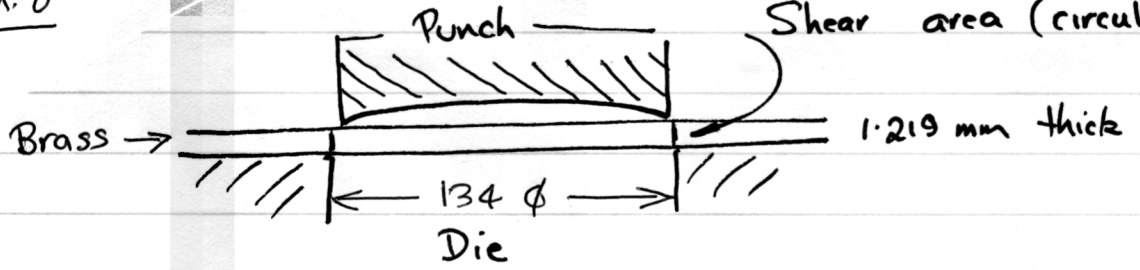
Qu. 8



Shear Area = thickness $\times \pi$ Diameter

$= 1{\cdot}219 \times 10^{-3} \times \pi\ (134 \times 10^{-3})$

$\tau = 220 \times 10^{6}\ N/m^2$ $\qquad \tau = \dfrac{\text{Shear force}}{\text{Shear area}}$

$\therefore$ Shear force = $\tau \times$ Area = $220 \times 10^{6} \times 1{\cdot}219 \times 10^{-3}\ \pi\ 134 \times 10^{-3}$

$= 112900\ N$ or $\underline{\underline{112{\cdot}9\ kN}}$