


(A)

THE BARNYARD NUMBER

$$B_y = \frac{\text{terrestrial livestock animal biomass}}{\text{terrestrial wild animal biomass}} \approx \frac{\text{biomass of livestock animals}}{\text{biomass of wild animals}} \approx \frac{2 \times 10^{12} \text{ kg}}{7 \times 10^{10} \text{ kg}} \approx 30$$


(B)

THE FISHERY NUMBER

$$F_y = \frac{\text{aquatic livestock animal biomass}}{\text{aquatic wild animal biomass}} \approx \frac{\text{biomass of farmed fish and shellfish}}{\text{biomass of wild aquatic animals}} \approx \frac{9 \times 10^{10} \text{ kg}}{13 \times 10^{12} \text{ kg}} \approx 0.007$$
