$We\ have\ 280\ cm\ of\ mettal\ wire. So, the\ length\ of\ our\ the\ circumference\ is\ C = 280cm.$

$Using\ formula\ C = 2\pi R\ we\ can\ find\ the\ radius\ R:\ R = \frac{C}{2\pi} = \frac{280cm}{6.28} = 44.6cm$

$If\ we\ have\ radius\ we\ can\ find\ the\ area\ S\ using\ formula: S = \pi R^2 = 3.14 \cdot 44.6^2 cm^2 = 6246cm^2$