how do you find the surface area and volume of a large prism X compaired to
a similar smaller prism Y the scale factor is 1:3 prism Y has a surface area
of 125.5 m squared and a volume of 87 m cubed.

The square-cube law can be stated as follows:
When an object undergoes a proportional increase in size, its new volume is proportional to the cube of the multiplier and its new surface area is proportional to the square of the multiplier.
Represented mathematically:

$V_2 = V_1 \left(\frac{l_2}{l_1}\right)^3$

where V_1 is the original volume, V_2 is the new volume, l_1 is the original length and l_2 is the new length.

$A_2 = A_1 \left(\frac{l_2}{l_1}\right)^2$

where A_1 is the original area, A_2 is the new area

In our case $\frac{l_2}{l_1} = 3$ - the scale factor

$V_2 = 87 * 3^3\ m^3 = 2349\ m^3$

$A_2 = 125.5 * 3^2 = 1129.5\ m^2$

Answer: surface area and volume equal $1129.5\ m^2$ and $2349\ m^3$