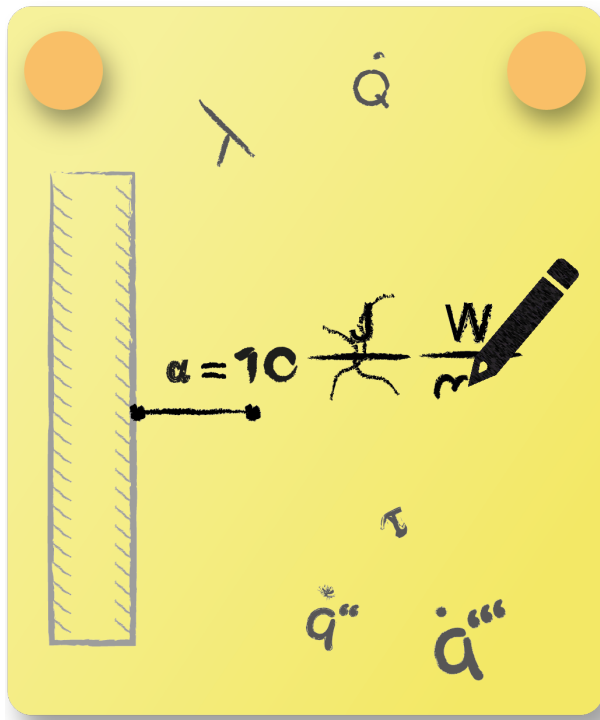# Unit: Task 21

A product of the stefan-boltzmann constant, the temperature of a body to the fourth power and the body's surface is represented by the expression $\sigma T^4 A$.

1   $[\sigma T^4 A] = \mathrm{W}$

2   The product yields a heat flux (W).