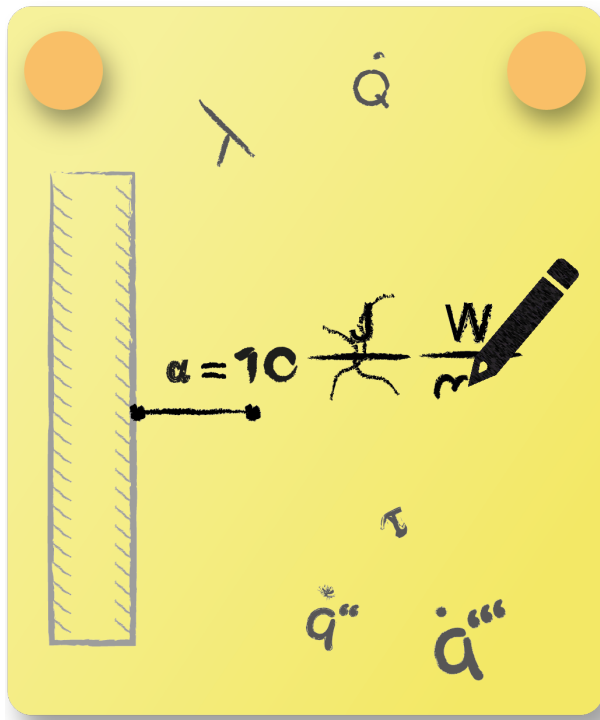




## Unit: Task 11



The Stefan-Boltzmann constant is represented by  $\sigma$ .

1



$$[\sigma] = \frac{\text{W}}{\text{m}^2\text{K}^4}$$

2



The Stefan-Boltzmann constant states the specific ( $\text{m}^2$ ) emitted heat flux (W) of a black body, which is proportional to the fourth power of the temperature ( $\text{K}^4$ ).