10.5.2.14

EE23BTECH11003 - pranav

Question: no of multiples of 4 between 10 and 250

let $4n_1$ and $4n_2$ be the first and last multiples of 4 between 10 and 250 then

$4n_1 > 10$ & $4n_2 < 250$

$\implies n_1 > 10/4$ & $n_2 < 250/4$

as n_1 & $n_2 \in \mathbb{N}$

$\implies n_1 = 3$ $n_2 = 62$

no of numbers from n_1 & n_2 is $n_2 - n_1 + 1$

$\therefore$ no of multiples of 4 between 10 and 250 are $62 - 3 + 1 = 60$