

⑤ The sum of four consecutive integers is 102.
Find the product of the extremes.

A) 548

B) 684

~~C) 648~~

D) 578

Ans:- Given, $x + (x+1) + (x+2) + (x+3) = 102$

$$\Rightarrow 4x + 6 = 102$$

$$\Rightarrow 4x = 102 - 6 = 96$$

$$\Rightarrow x = \frac{96}{4} = 24$$

Now

~~$$x + 2 = 24 + 2 = 26$$~~

$$x + 3 = 24 + 3 = 27$$

product of the extremes = ~~26~~ $24 \times 27 = 648$