

15.

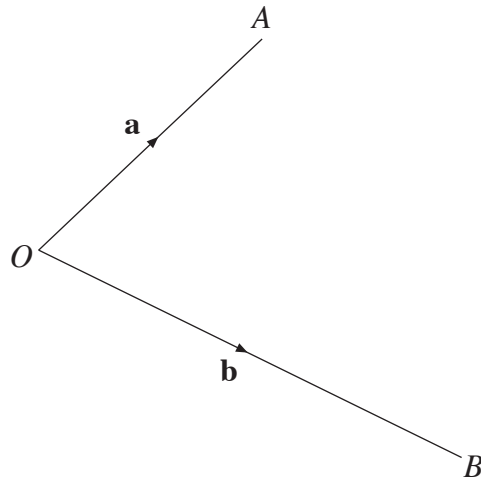


Diagram not drawn to scale.

The point C is the point on AB such that $AC:CB$ is $2:3$.
Given that $\mathbf{OA} = \mathbf{a}$ and $\mathbf{OB} = \mathbf{b}$, find \mathbf{OC} . Simplify your answer.

.....

.....

.....

.....

.....

.....

.....

.....

[3]