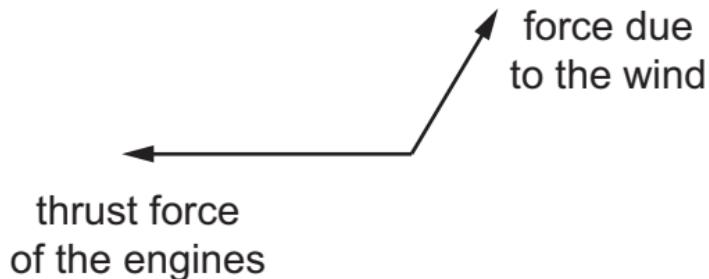


- 4 An aircraft travels along a horizontal path. Two of the forces that act horizontally on the aircraft are the thrust force of the engines and the force due to the wind. The vector diagram for these forces is shown.



Which vector represents the resultant horizontal force acting on the aircraft due to these two forces?

A



B



C



D

- 5 Adult and family X-ray units are required to be fitted with a lead apron of thickness 1.6 mm.