4–122. Replace the force system acting on the post by a resultant force, and specify where its line of action intersects the post $AB$ measured from point $A$.

4–123. Replace the force system acting on the post by a resultant force, and specify where its line of action intersects the post $AB$ measured from point $B$. 

![Diagram of a post with forces and dimensions labeled.]
4–124. Replace the parallel force system acting on the plate by a resultant force and specify its location on the x-z plane.

![Diagram showing a plate with forces 2 kN, 5 kN, and 3 kN applied at different points.]

Prob. 4–124
4-121. Replace the loading on the frame by a single resultant force. Specify where its line of action intersects a horizontal line along member $CB$, measured from end $C$. 