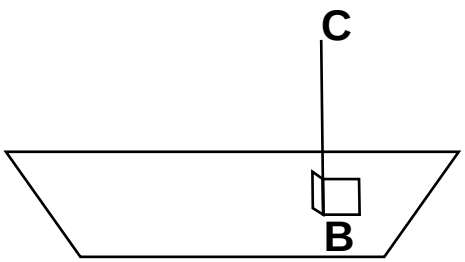
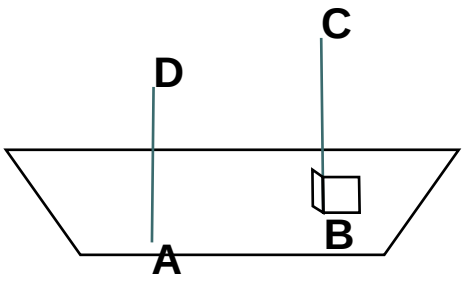
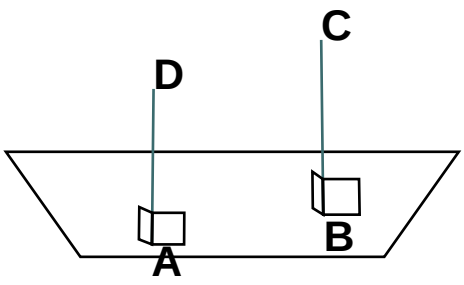


Let BC be perpendicular to the plane



Draw AB parallel to BC



Then AD is also perpendicular to the plane