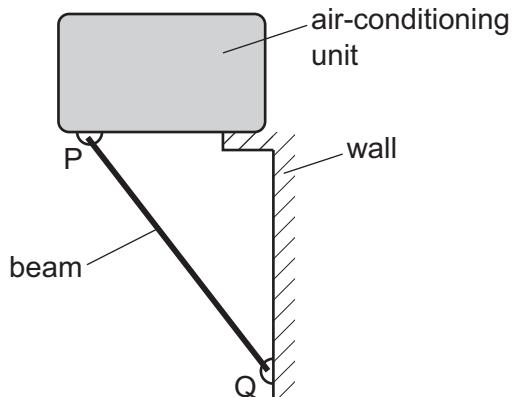


16 An air-conditioning unit is supported by a rigid beam PQ, as shown.

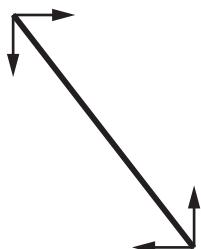


Which diagram shows the directions of the horizontal and vertical forces acting on the ends of the beam?

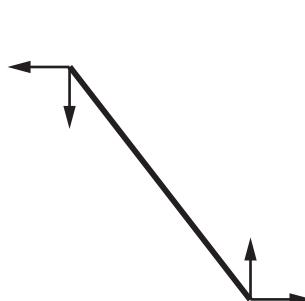
A



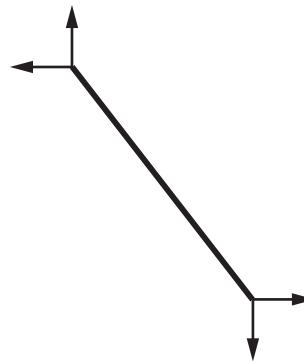
B



C



D



17 A student is carrying a suitcase with a weight of 15 N. The student has to lift the suitcase from a surface to a height of 1.5 m.