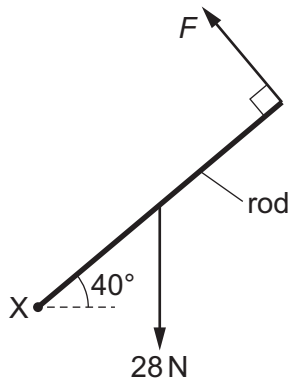


**13** A uniform rod of weight 28 N is supported at one end by force  $F$ .

The rod is in equilibrium and attached to a frictionless hinge at end X.



What is the magnitude of  $F$ ?

**A** 9.0 N

**B** 11 N

**C** 18 N

**D** 21 N