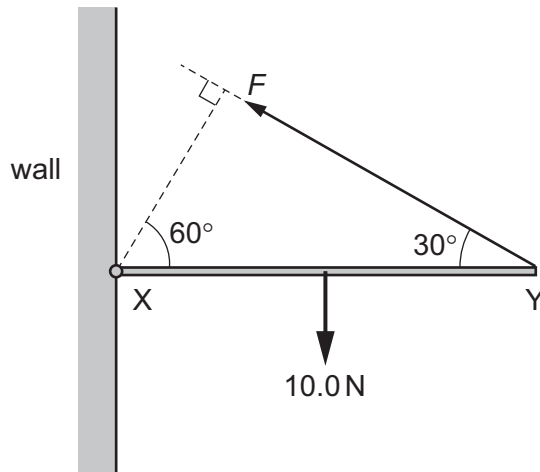


- 12** A uniform rod XY of weight 10.0 N is freely hinged to a wall at X. It is held horizontal by a force F acting from Y at an angle of 30° to the horizontal, as shown.



What is the value of F ?

- A** 5.0 N **B** 8.7 N **C** 10 N **D** 20 N